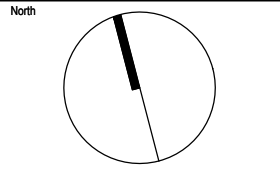


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Revisions				
Issue Description	Date	Chk	Int	
G DA ISSUE, REVISED LAYOUT	12-05-21	SH	JK	
F DA ISSUE	14-09-20	SH	JK	
E DA ISSUE	20-05-20	SH	JK	
D DA ISSUE	04-11-19	SH	JK	
C DA ISSUE	31-10-19	SH	JK	
B DA ISSUE	23-10-19	SH	JK	
A DA ISSUE	16-09-19	SH	JK	



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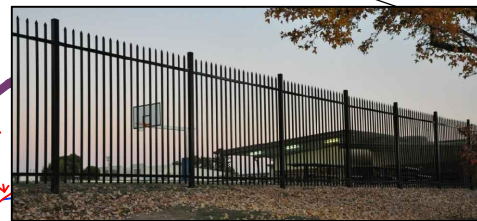
Consultants

Project
McDONALD'S WONGAWILLI

Location
1 RAVEN STREET
WONGAWILLI - NSW 2530

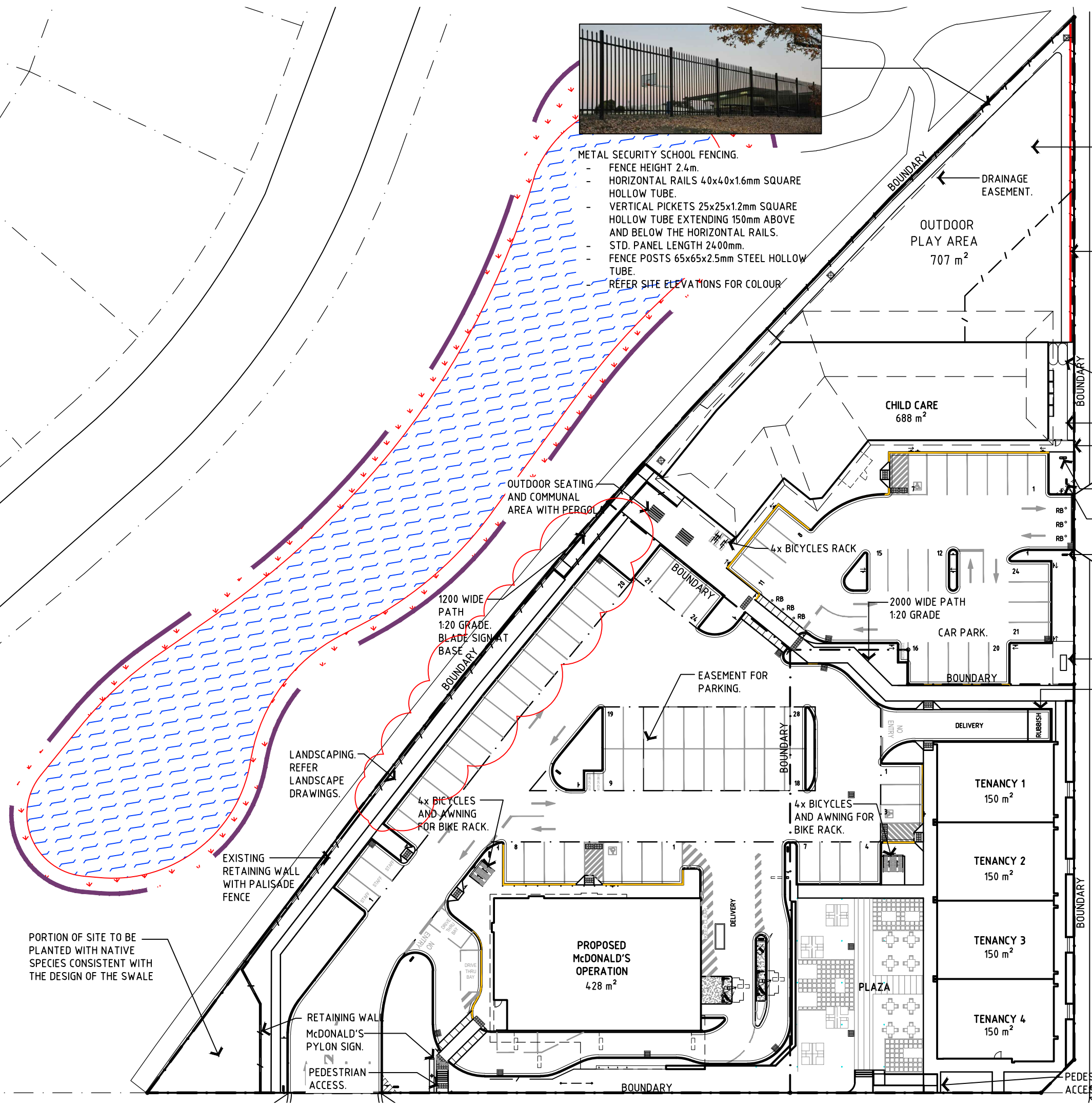
DA ISSUE
NOT FOR USE DURING CONSTRUCTION

Scale	Series	
NTS	BIOMOD_425	
Drawing		
LOCALITY PLAN		
Project Number	Drawing Number	Issue
180109	A040	G



METAL SECURITY SCHOOL FENCING.

- FENCE HEIGHT 2.4m.
- HORIZONTAL RAILS 40x40x1.6mm SQUARE HOLLOW TUBE.
- VERTICAL PICKETS 25x25x1.2mm SQUARE HOLLOW TUBE EXTENDING 150mm ABOVE AND BELOW THE HORIZONTAL RAILS.
- STD. PANEL LENGTH 2400mm.
- FENCE POSTS 65x65x2.5mm STEEL HOLLOW TUBE.
- REFER SITE ELEVATIONS FOR COLOUR



LANDSCAPING AND CHILD CARE OUTDOOR PLAY AREA. REFER LANDSCAPE DRAWINGS.

2.4m HIGH ACOUSTIC BARRIER. REFER NOISE ASSESSMENT REPORT. CLEAR PERSPEX FIXED BEHIND METAL FENCING.

2x RAINWATER HARVESTING TANKS.

BIN ENCLOSURE.

PEDESTRIAN ACCESS.

CHILD CARE PYLON SIGN.

DIRECTIONAL SIGN.

DIRECTIONAL SIGN.

DIRECTIONAL SIGN.

DIRECTIONAL SIGN.

DIRECTIONAL SIGN.

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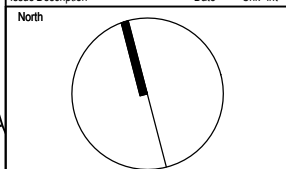
DIRECTIONAL SIGN.

DIRECTIONAL SIGN.

DIRECTIONAL SIGN.

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Revisions	Date	By	Check
Q	26.07.21	PR	SH
P	21.07.21	PR	SH
O	30.06.21	SH	SH
N	25.06.21	JK	GM
M	28.05.21	PR	GM
N	12-05-21	PR	JK
M	01-02-21	PR	SH
L	03.12.20	PR	SH
K	05-10-20	PR	SH



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Project
McDONALD'S WONGAWILLI

Location
1 RAVEN STREET
WONGAWILLI - NSW 2530

DA ISSUE
NOT FOR USE DURING CONSTRUCTION

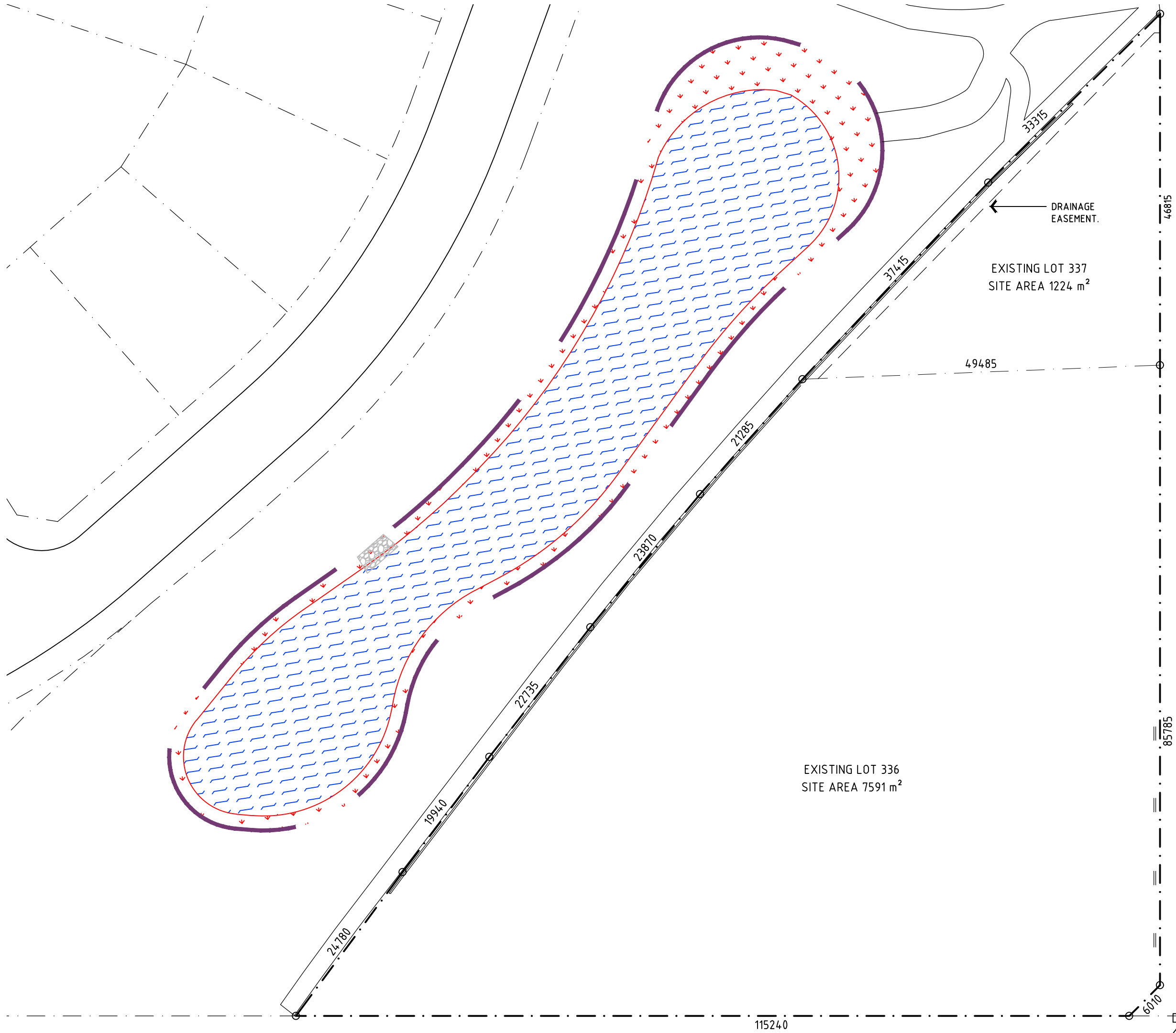
Scale
1:500
Series
BIOMOD_425

Drawing
OVERALL SITE PLAN - CONCEPT 1

Project Number
180109

Drawing Number
A041

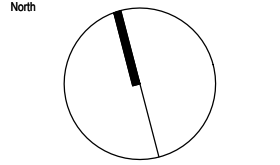
Issue
Q



RAVEN STREET

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Revisions				
A	DA ISSUE	31-10-19	SH	JK
Issue Description		Date	Chk	Int



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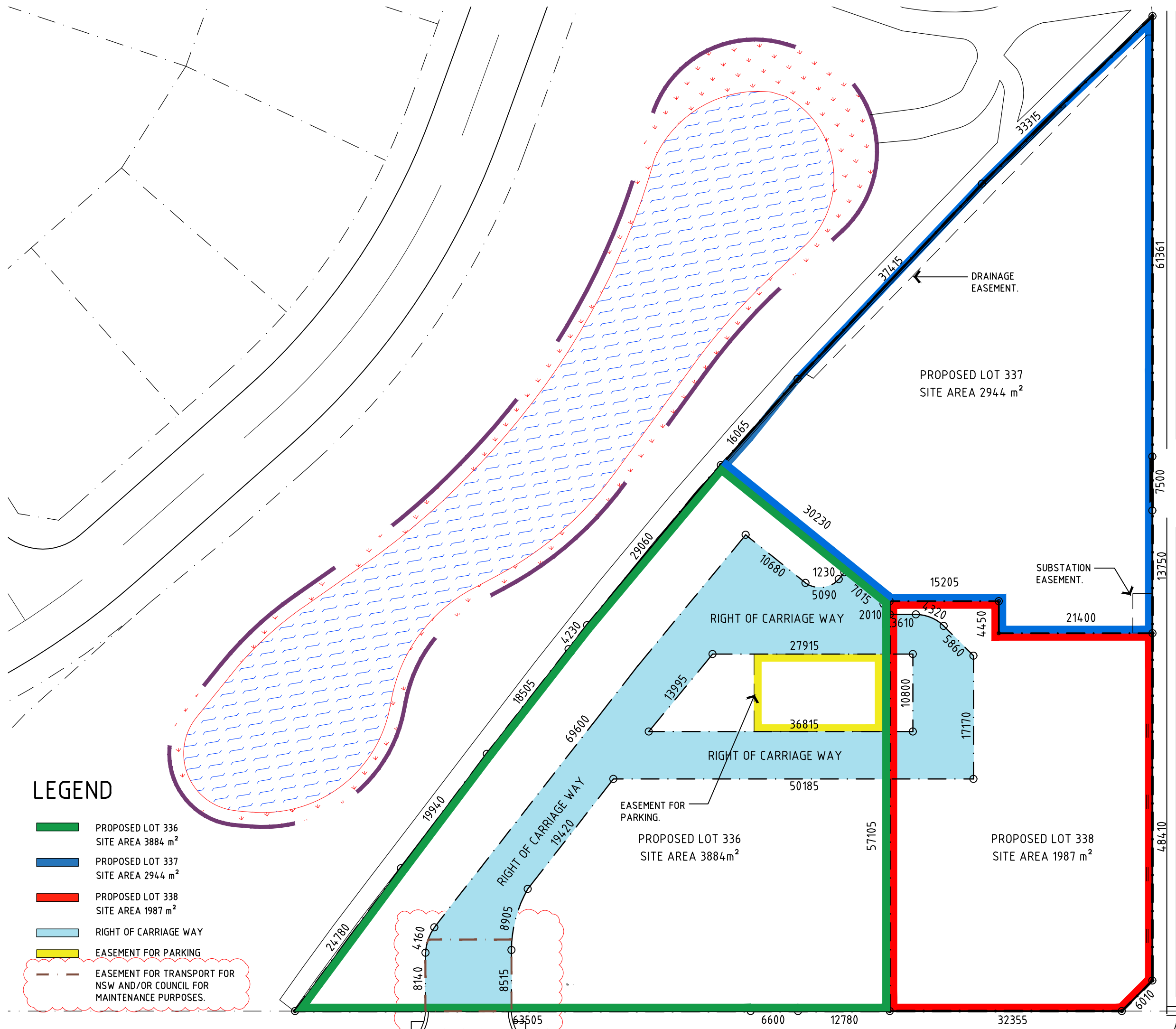
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Consultants

Project
McDONALD'S WONGAWILLI

Location
1 RAVEN STREET
WONGAWILLI - NSW 2530

DA ISSUE
NOT FOR USE DURING CONSTRUCTION

Scale	Series	
1:500	BIOMOD_425	
Drawing	EXISTING SUBDIVISION PLAN	
Project Number	Drawing Number	Issue
180109	A042	A



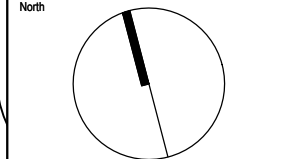
LEGEND

- PROPOSED LOT 336
SITE AREA 3884 m²
- PROPOSED LOT 337
SITE AREA 2944 m²
- PROPOSED LOT 338
SITE AREA 1987 m²
- RIGHT OF CARRIAGE WAY
- EASEMENT FOR PARKING
- EASEMENT FOR TRANSPORT FOR
NSW AND/OR COUNCIL FOR
MAINTENANCE PURPOSES.

RAVEN STREET

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Revisions				
H	DA ISSUE, REVISED LAYOUT	01.07.21	SH	GM
G	DA ISSUE, REVISED LAYOUT	12.05.21	SH	JK
F	SUBDIVISION LINES REVISED	03.12.20	PR	SH
E	SUBDIVISION LINES REVISED	14.10.20	SH	SH
D	DA ISSUE	31.10.19	SH	JK
C	DA ISSUE	18.10.19	SH	JK
B	DA ISSUE	16.10.19	SH	JK
A	DA ISSUE	10.10.19	SH	JK
Issue Description	Date	Chk	Int	



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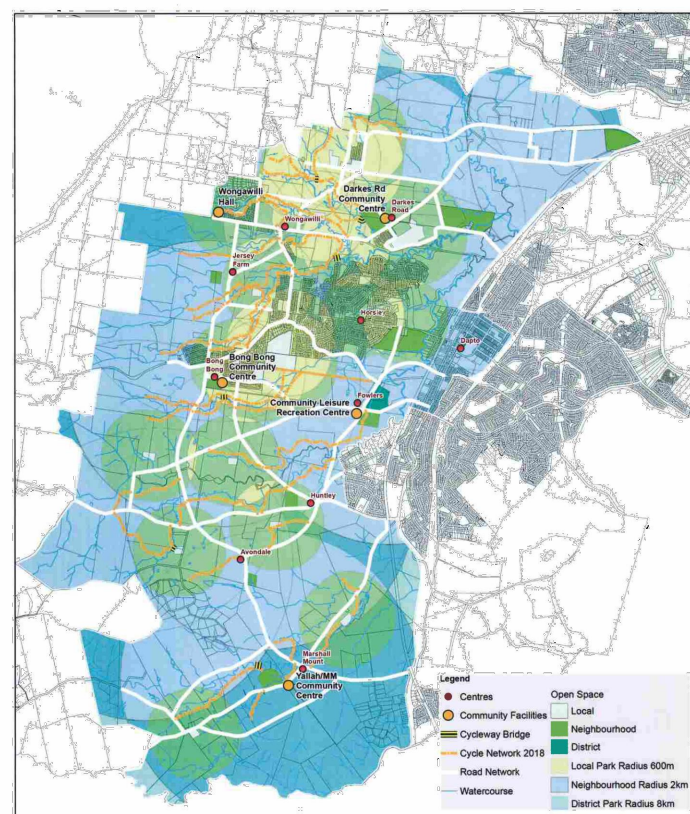
Architect
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Consultants

Project
McDONALD'S WONGAWILLI

Location
1 RAVEN STREET
WONGAWILLI - NSW 2530

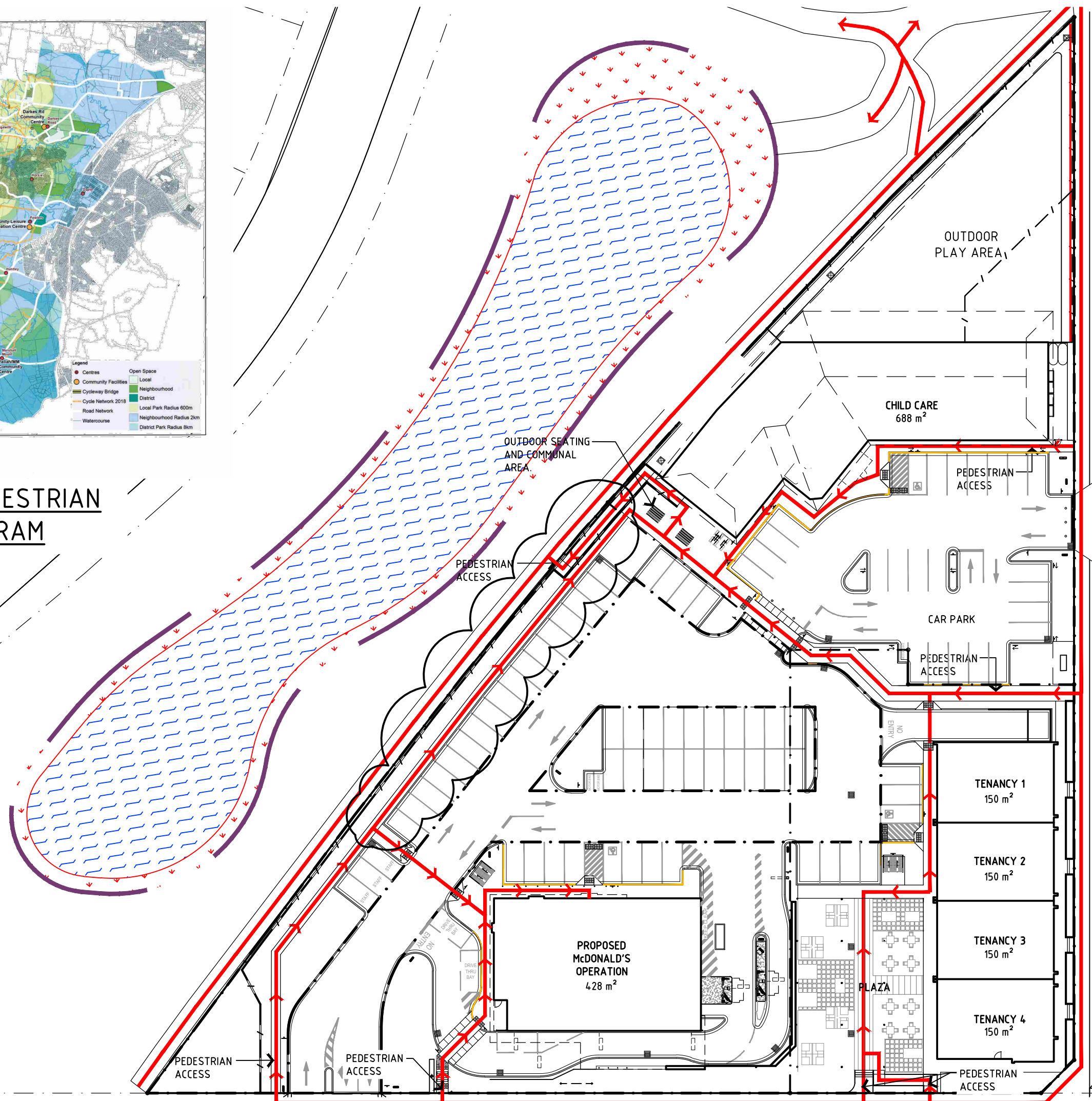
DA ISSUE
NOT FOR USE DURING CONSTRUCTION

Scale	Series	
1:500	BIOMOD_425	
Drawing		
PROPOSED SUBDIVISION PLAN		
Project Number	Drawing Number	Issue
180109	A043	H



OVERALL PEDESTRIAN ACCESS DIAGRAM

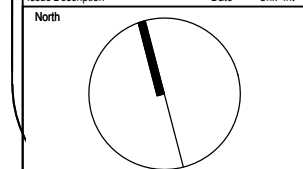
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Revisions				
M	AMENDED AS CLOUDED	26.07.21	PR	SH
L	FENCE AND PATH REVISED	21.07.21	PR	SH
K	DA ISSUE, DRAWING REVISED	30.06.21	PR	GM
J	DA ISSUE, DRAWING REVISED	25.06.21	PR	JK
I	DA ISSUE, REVISED LAYOUT	28.05.21	PR	GM
H	DA ISSUE, REVISED LAYOUT	12.05.21	PR	JK
G	DA ISSUE	01.02.21	PR	SH
F	DA ISSUE	03.12.20	PR	SH
E	DA ISSUE	14.09.20	SH	JK
Issue Description		Date	Chk	Int



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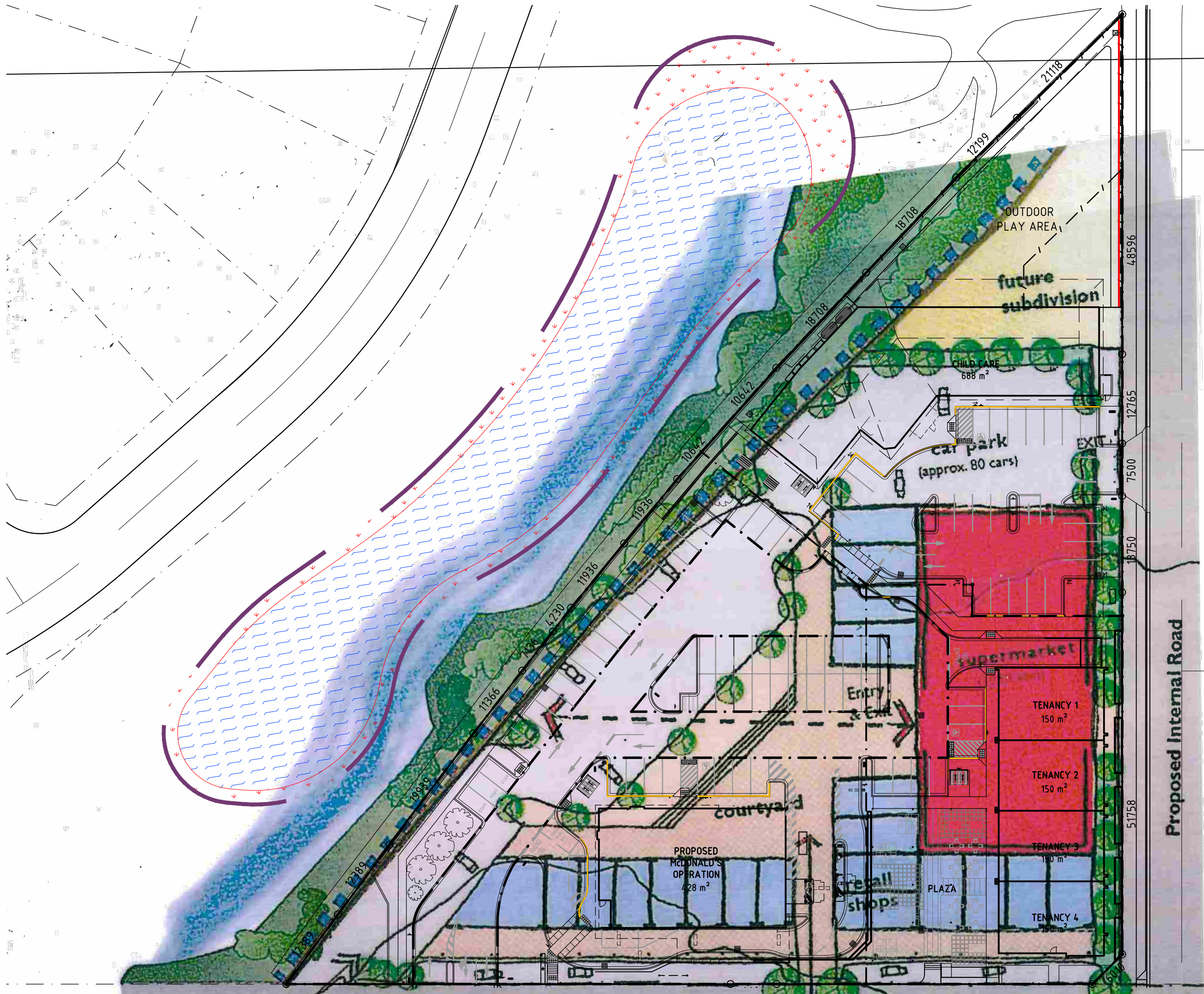
Consultants	

Project
McDONALD'S WONGAWILLI

Location
1 RAVEN STREET
WONGAWILLI - NSW 2530

DA ISSUE
NOT FOR USE DURING CONSTRUCTION

Scale	Series	
1:500	BIOMOD_425	
Drawing		
PEDESTRIAN ACCESS PLAN		
Project Number	Drawing Number	Issue
180109	A044	M

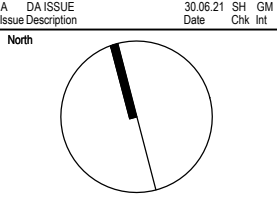


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Revisions

A	DA ISSUE	30.06.21	SH	GM
	Issue Description	Date	Chk	Int



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Consultants

Project

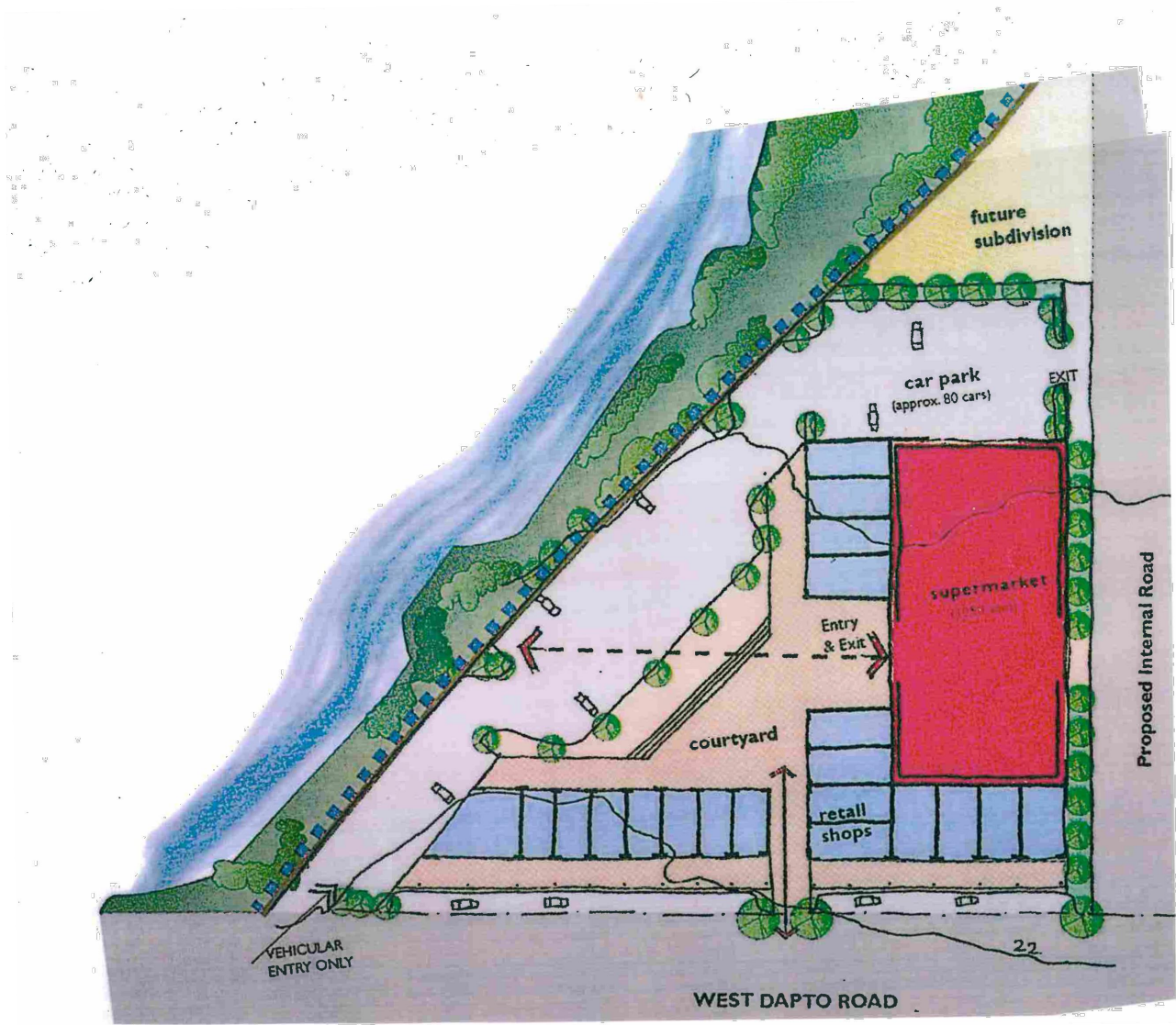
McDONALD'S WONGAWILLI

Location

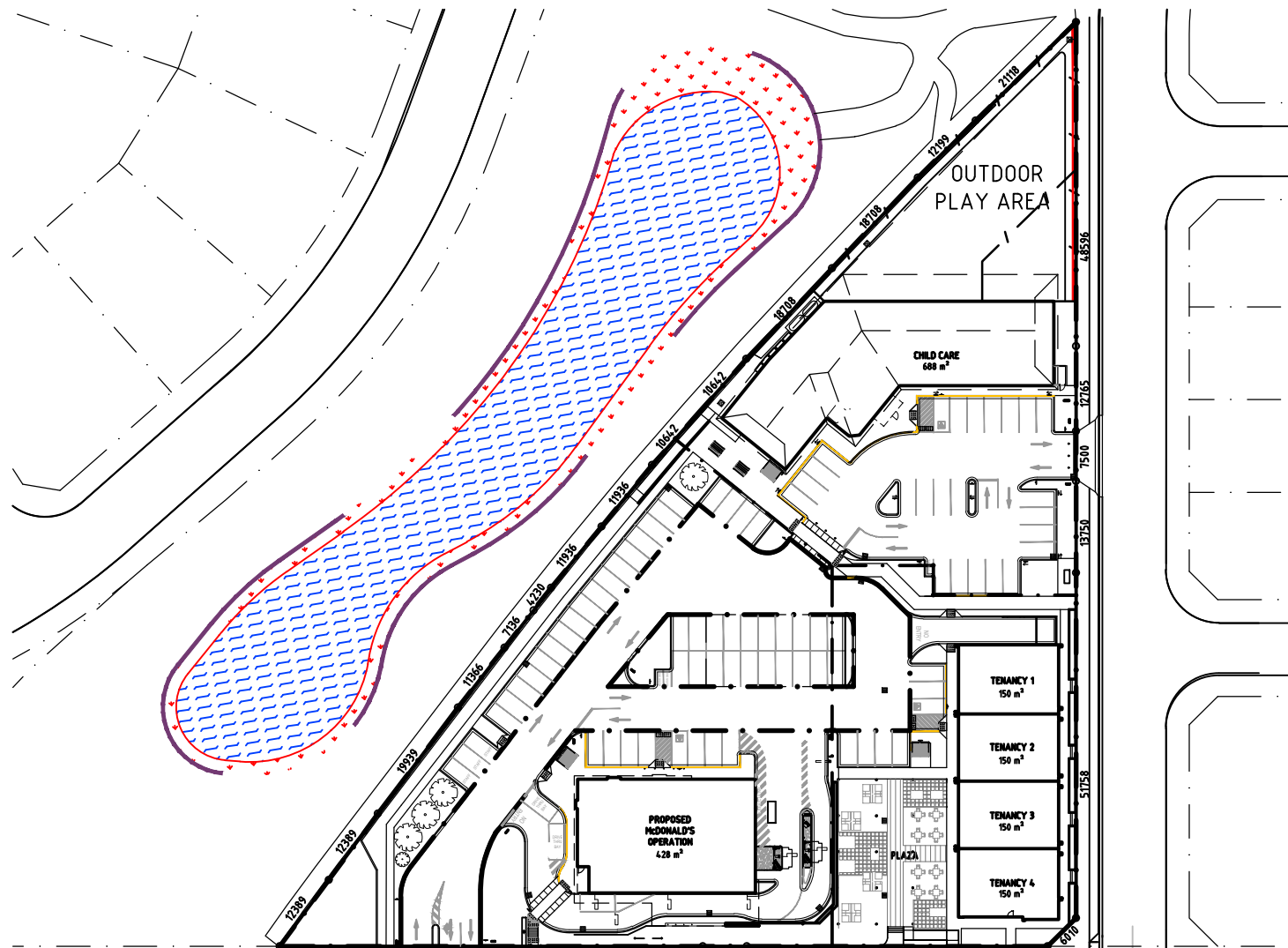
1 RAVEN STREET
WONGAWILLI - NSW 2530

DA ISSUE
NOT FOR USE DURING CONSTRUCTION

Scale	Series	
1:500	BIOMOD_425	
Drawing	COMPARISON ANALYSIS OF CONCEPTUAL	
Project Number	Drawing Number	Issue
180109	A045	A

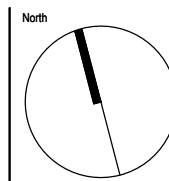


01 CONCEPTUAL DESIGN
SCALE 1:1000



02 SITE PLAN
SCALE 1:1000

Revisions	General Notes	Drawing Notes
A DA ISSUE	Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.	
Issue Description	30.06.21 SH GM Date Chk Int	



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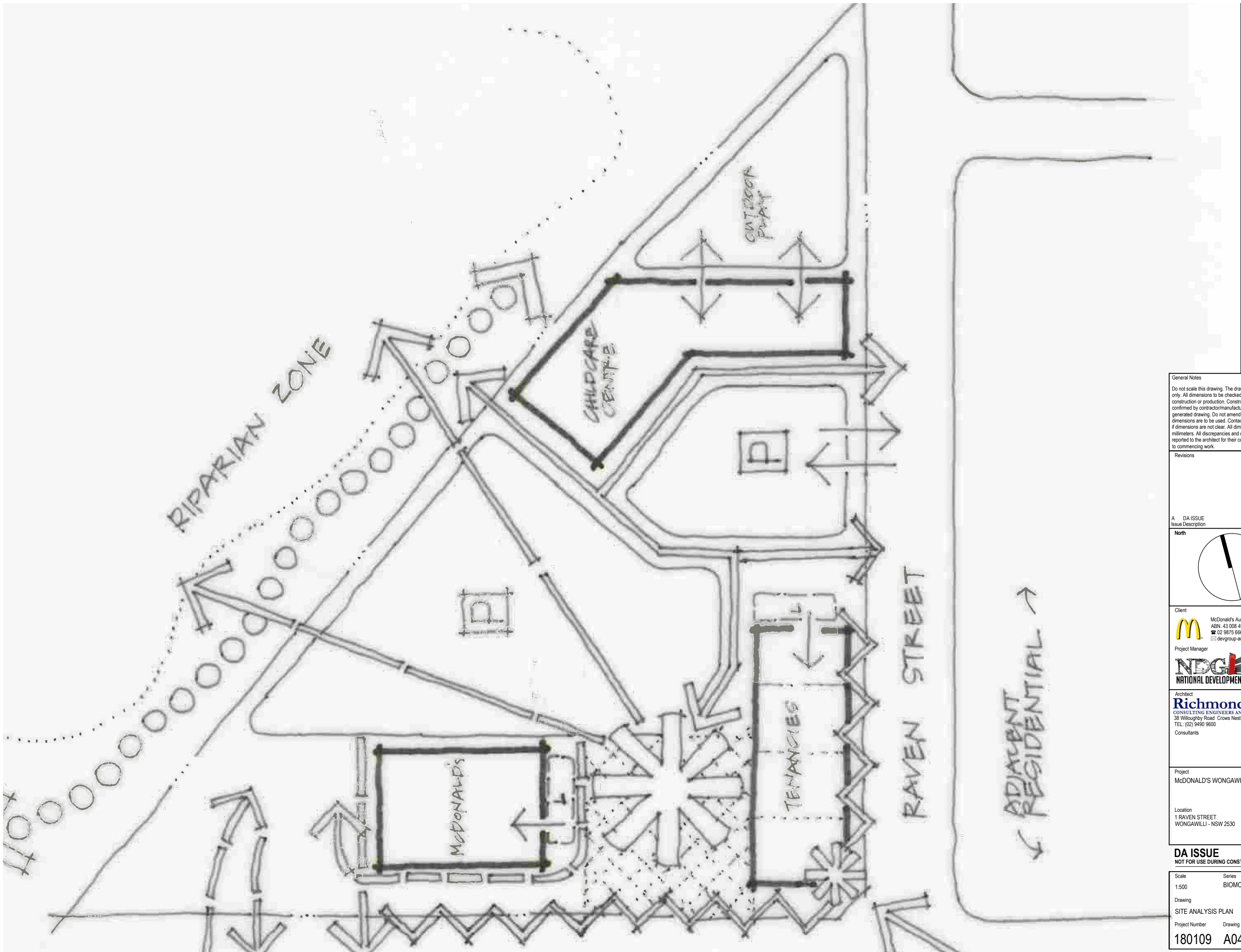
Project Manager
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Project
McDONALD'S WONGAWILLI

Location
1 RAVEN STREET
WONGAWILLI, NSW 2530

DA ISSUE NOT FOR USE DURING CONSTRUCTION		
Scale	Series	
1:1000	BIOMOD_425	
Drawing COMPARISON ANALYSIS OF CONCEPTUAL		
Project Number	Drawing Number	Issue
180109	A045_1	A

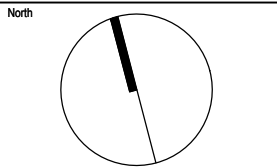


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Revisions				

A	DA ISSUE	30.06.21	SH	GM
Issue Description		Date	Chk	Int



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Project

McDONALD'S WONGAWILLI

Location

1 RAVEN STREET
WONGAWILLI - NSW 2530

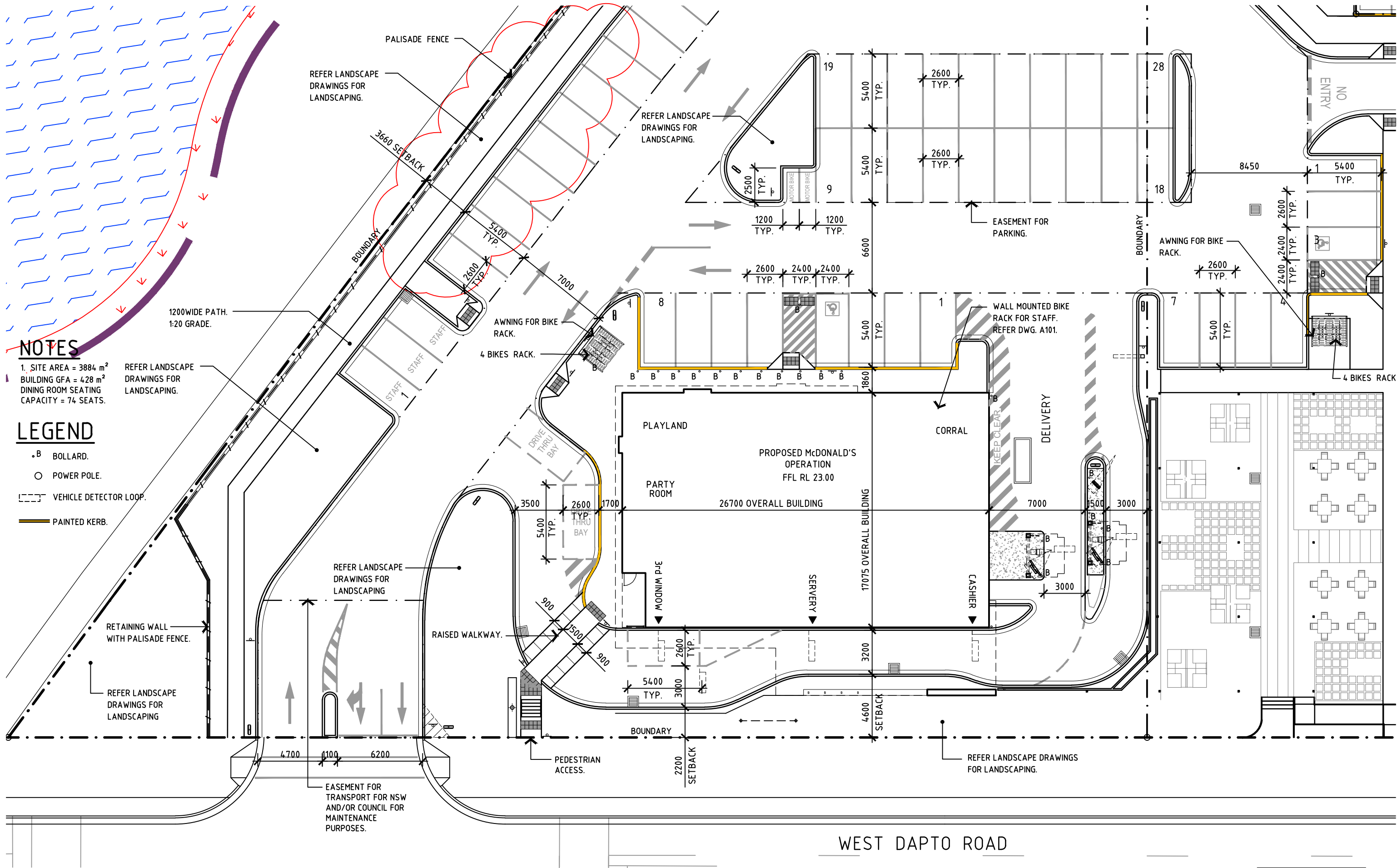
DA ISSUE
NOT FOR USE DURING CONSTRUCTION

Scale	Series
1:500	BIOMOD_425

Drawing

SITE ANALYSIS PLAN

Project Number	Drawing Number	Issue
180109	A046	A

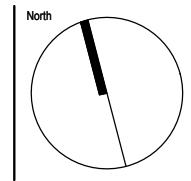


NOTES

1. SITE AREA = 3884 m²
BUILDING GFA = 428 m²
DINING ROOM SEATING CAPACITY = 74 SEATS.

- LEGEND**
- B BOLLARD.
 - POWER POLE.
 - - - VEHICLE DETECTOR LOOP.
 - PAINTED KERB.

Revisions	General Notes	Drawing Notes
N AMENDED AS CLOUDED	26.07.21 PR SH	Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.
M FENCE NOTATED	21.07.21 PR SH	
L GENERALLY AMENDED	30.06.21 SH SH	
K CROSSOVER REMOVED	25.06.21 PR JK	
J DA ISSUE, LAYOUT REVISED	28.05.21 PR GM	
I DA ISSUE, LAYOUT REVISED	12.05.21 SH JK	
H DA ISSUE	05.10.20 PR SH	
G DA ISSUE	14.09.20 SH JK	
F DA ISSUE	20.05.20 SH JK	
Issue Description	Date Chk Int	



Client
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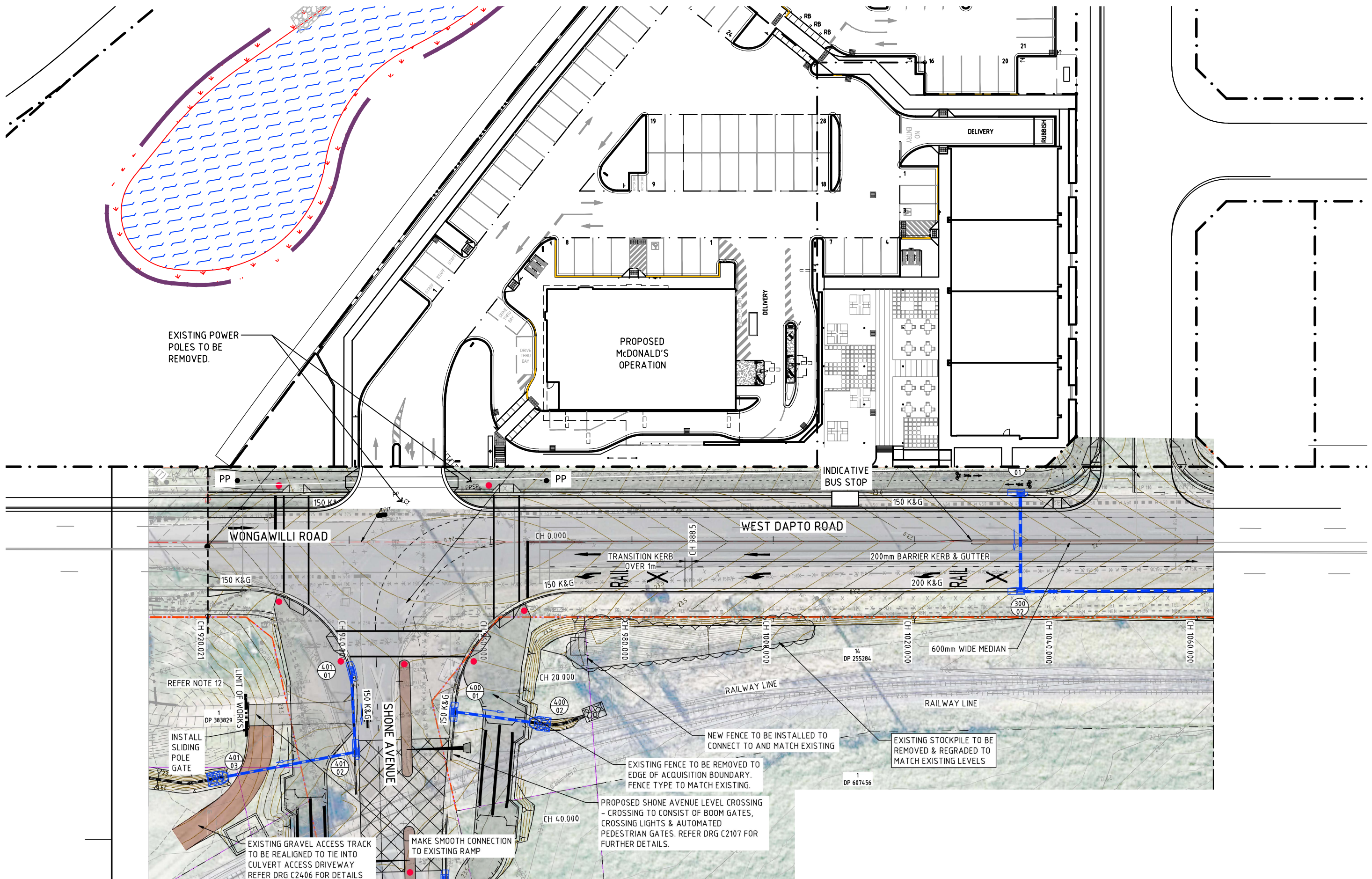
Project Manager
NBDG
NATIONAL DEVELOPMENT GROUP

Architect
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CONSULTING ENGINEERS AND PROJECT LEADERS
38 Willoughby Road Crows Nest NSW 2065
TEL: (02) 9490 9600 FAX: (02) 94361224

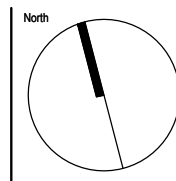
Project
McDONALD'S WONGAWILLI

Location
1 RAVEN STREET
WONGAWILLI, NSW 2530

DA ISSUE		
NOT FOR USE DURING CONSTRUCTION		
Scale	Series	
1:250	BIOMOD_425	
Drawing		
PROPOSED SITE PLAN		
Project Number	Drawing Number	Issue
180109	A062	N



Revisions	General Notes	Drawing Notes
<div><div>A</div><div>DA ISSUE</div><div>Issue Description</div></div>	<div><div>Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.</div></div>	<div><div>30.06.21</div><div>SH</div><div>GM</div><div>Date</div><div>Chk</div><div>Int</div></div>



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Consultants

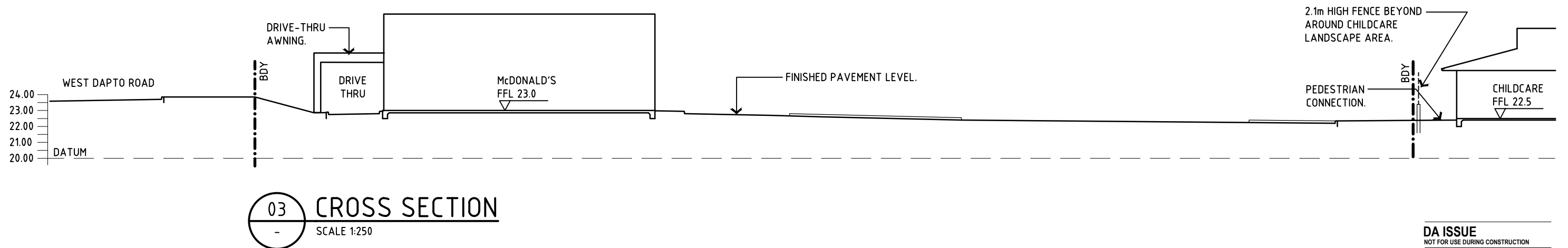
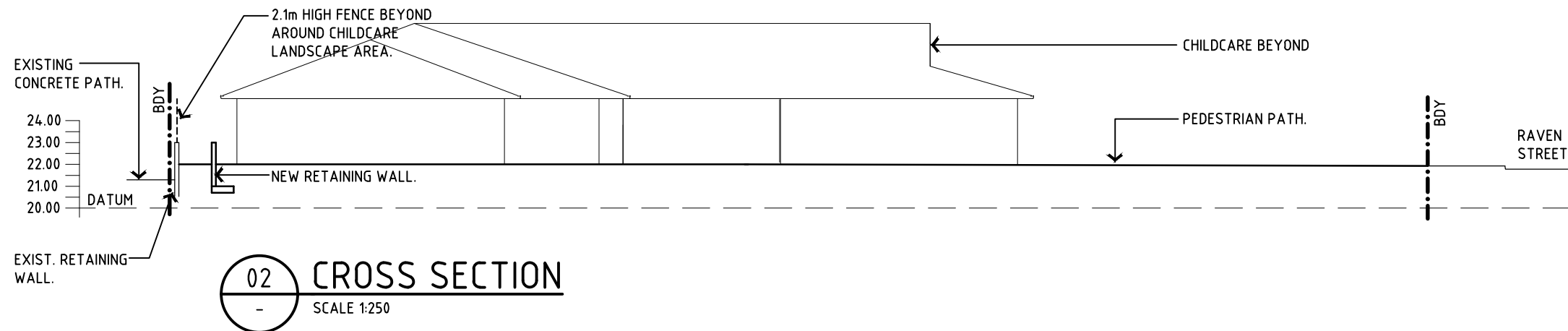
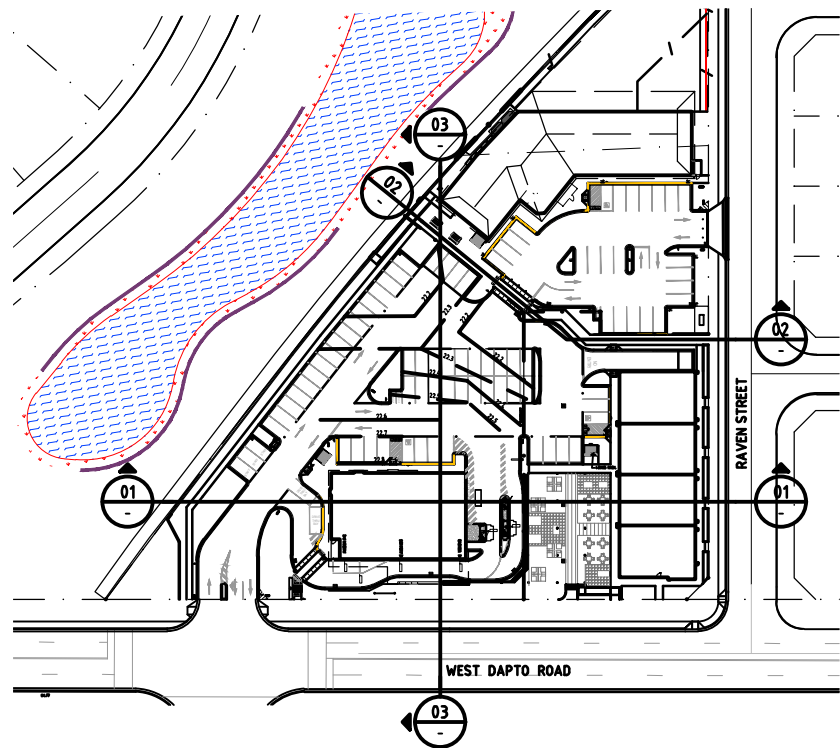
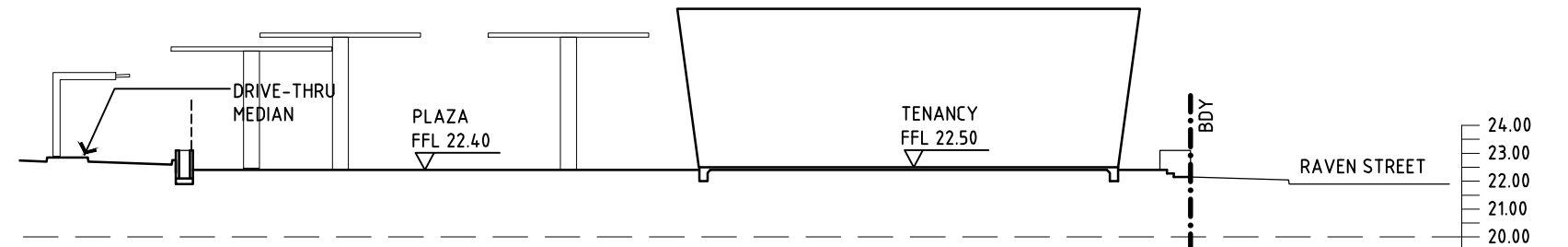
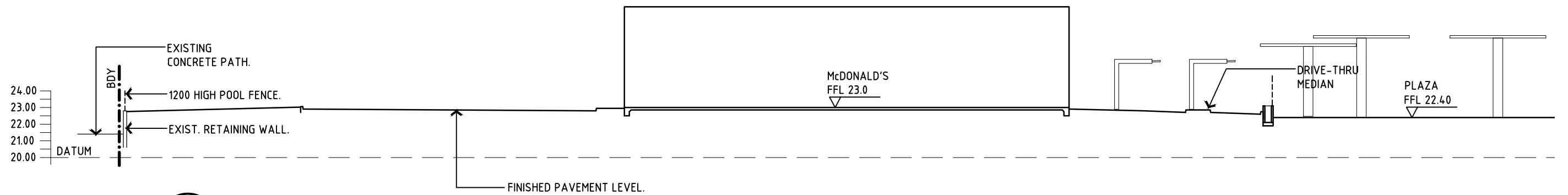
Project

McDONALD'S WONGAWILLI

Location

1 RAVEN STREET
WONGAWILLI, NSW 2530

DA ISSUE		
NOT FOR USE DURING CONSTRUCTION		
Scale	Series	
1:500	BIOMOD_425	
Drawing		
PROPOSED WEST DAPTO ROAD		
Project Number	Drawing Number	Issue
180109	A063	A



Revisions	General Notes	Drawing Notes
B DA ISSUE A DA ISSUE, DRAWING ADDED Issue Description	30.06.21 SH JK 25.06.21 SH JK Date Chk Int	Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.

North

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Project

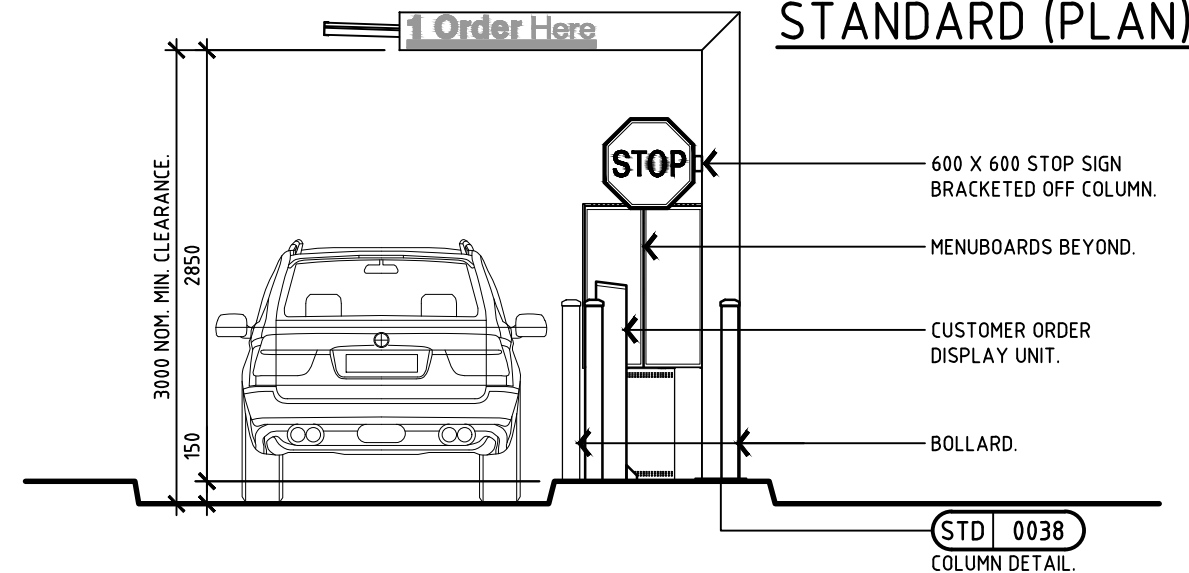
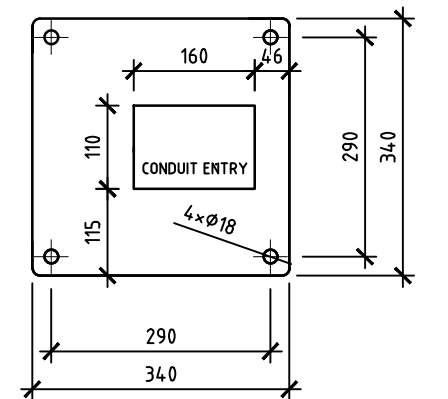
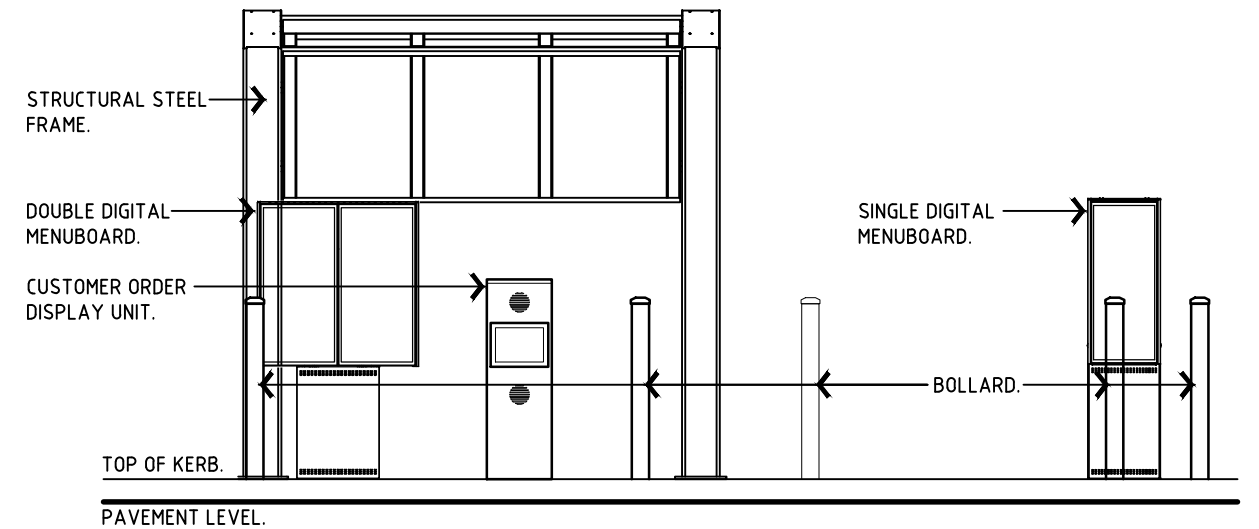
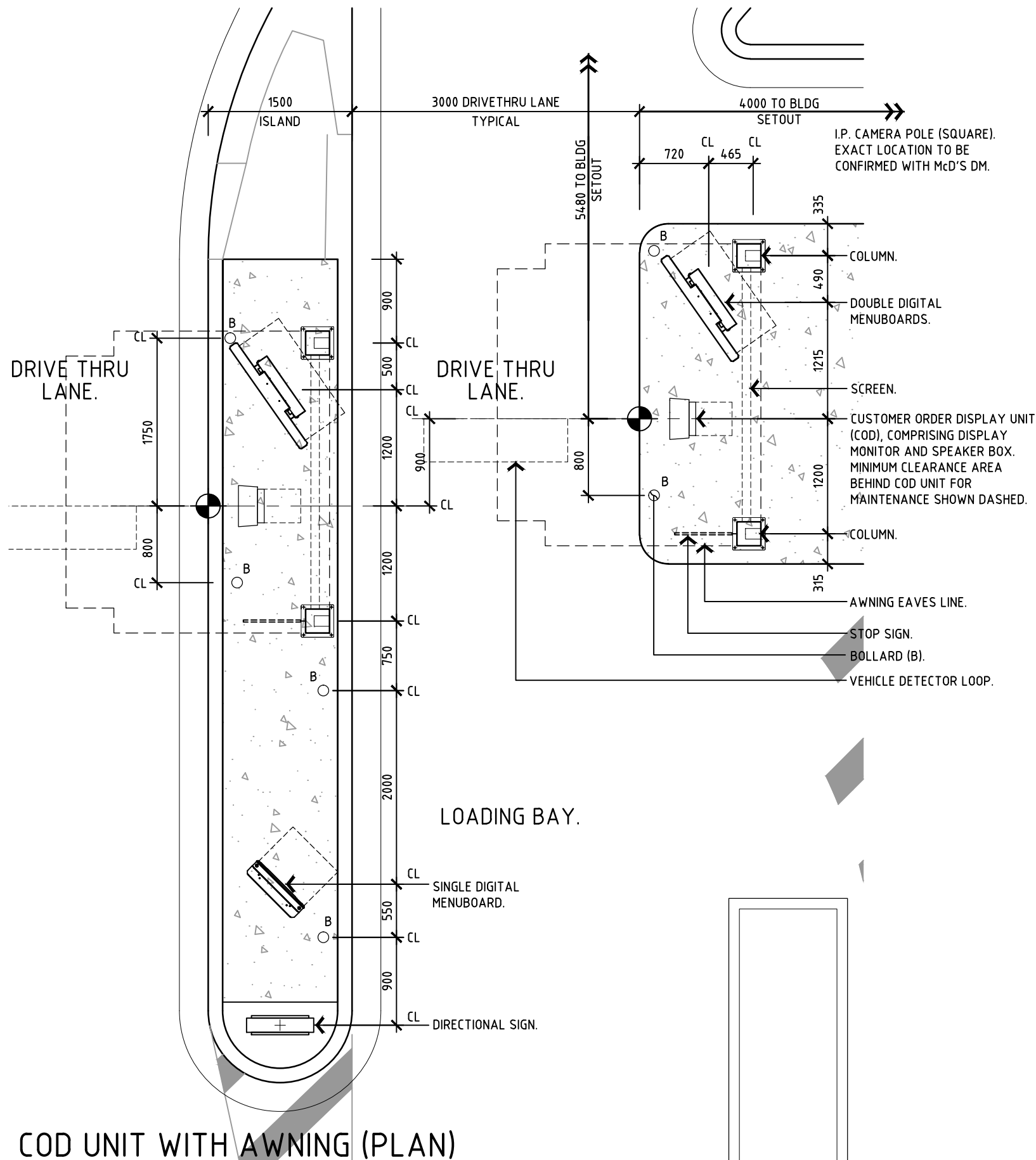
McDONALD'S WONGAWILLI

Location

1 RAVEN STREET
WONGAWILLI, NSW 2530

DA ISSUE
NOT FOR USE DURING CONSTRUCTION

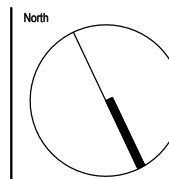
Scale	Series	
1:250	BIOMOD_425	
Drawing		
SITE SECTIONS		
Project Number	Drawing Number	Issue
180109	A070	B



COD UNIT WITH AWNING (PLAN)

SCALE 1:50

Revisions	General Notes	Drawing Notes
<p>B DA ISSUE, LAYOUT REVISED 12-05-21 SH JK</p> <p>A DA ISSUE 28-08-19 SH JK</p> <p>Issue Description Date Chk Int</p>	<p>Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.</p>	



Client
McDonald's Australia Limited
ABN 43 008 498 528
02 9875 6666
devgroup-aust@au.mcd.com

Project Manager
NDG
NATIONAL DEVELOPMENT GROUP

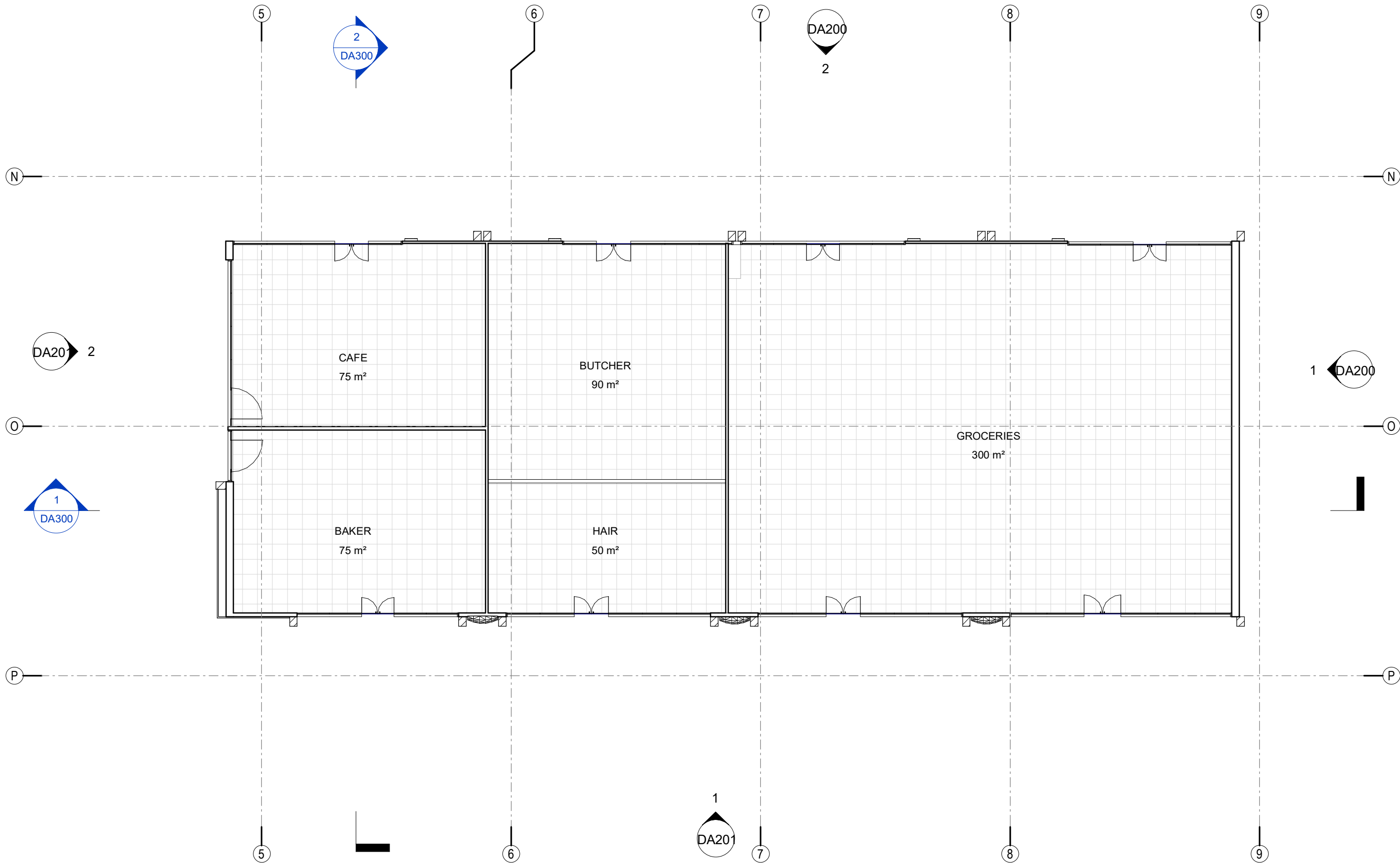
Architect
Richmond+Ross
CONSULTING ENGINEERS AND PROJECT LEADERS
38 Willoughby Road Crows Nest NSW 2065
TEL: (02) 9490 9600 FAX: (02) 94361224

Project
McDONALD'S WONGAWILLI

Location
1 RAVEN STREET
WONGAWILLI, NSW 2530

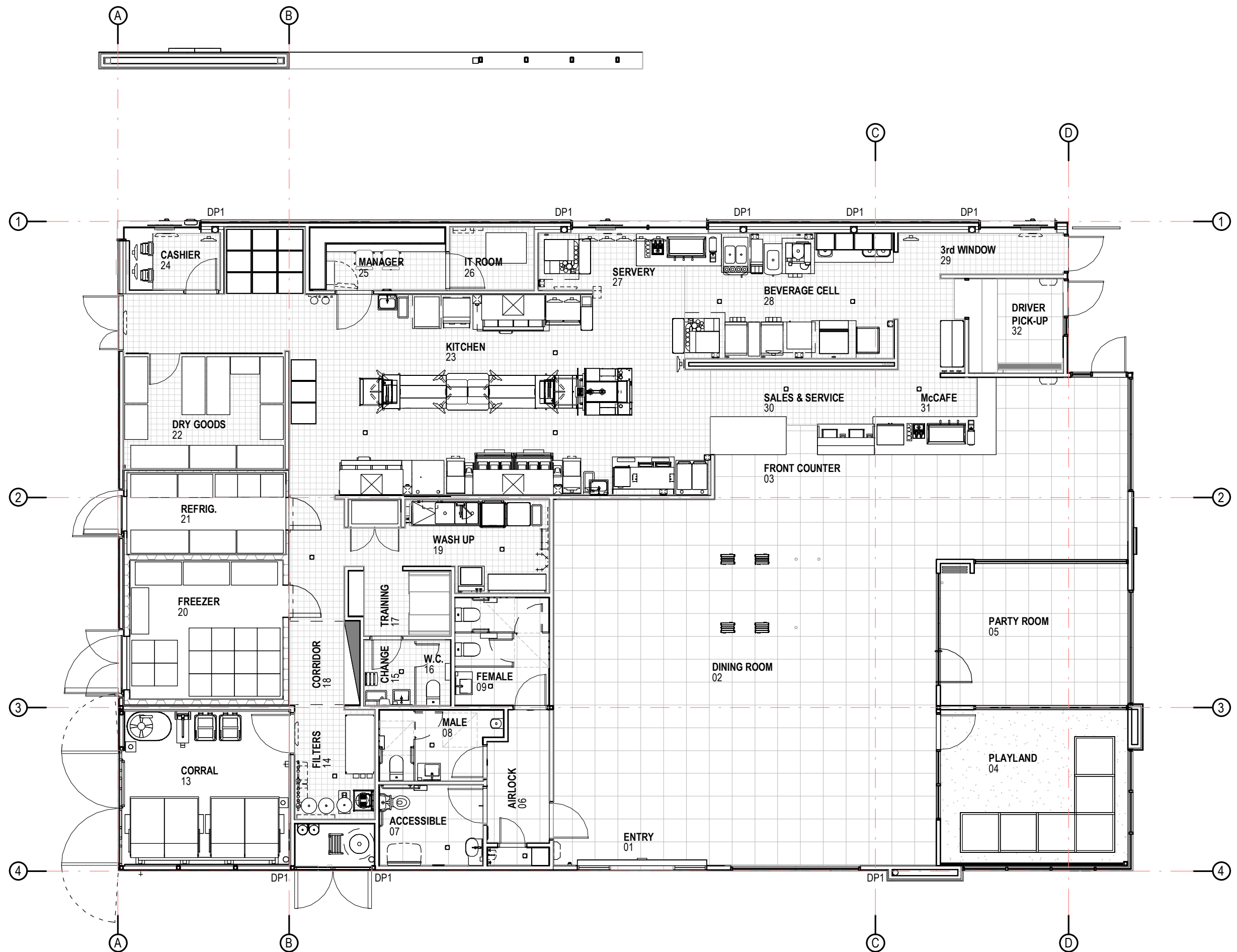
DA ISSUE
NOT FOR USE DURING CONSTRUCTION

Scale	Series	
1:50	BIOMOD_425	
Drawing		
COD UNIT DETAILS		
Project Number	Drawing Number	Issue
180109	A082	B



1 Ground Floor
DA200 1 : 150

Revisions	General Notes Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.		Drawing Notes	<div>PRELIMINARY</div> <div>NOT TO BE USED DURING CONSTRUCTION</div>	<div>North</div> <div></div>	Architect ABN 34 001 485 436 Richmond+Ross CONSULTING ENGINEERS AND PROJECT LEADERS 38 Willoughby Road Crows Nest NSW 2065 TEL: (02) 9490 9600 FAX: (02) 94381224	Client MC DONALDS	Project WONGAWILLI UPDATE CONCEPT Location WEST DAPTO ROAD, WONGAWILLI NSW	Scale 1 : 150 @ A3
									Drawing GROUND FLOOR PLAN - OPTION 2
									Project Number Drawing Number Issue 180109 DA100A 1



Revisions		General Notes		Drawing Notes	
P	REVISED DA ISSUE	12.05.2021	PR AC	Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.	
N	REVISED DA ISSUE	06.05.2021	PR PK		
E	DA ISSUE	14.09.2020	PR PK		
D	DA ISSUE	25.10.2019	PR GM		
C	DA ISSUE	23.10.2019	PR GM		
S	PRELIMINARY	18.10.2019	PR GM		
A	PRELIMINARY	25.07.2019	PR GM		
Issue Description		Date	Chk	Int	

Client
 McDonald's Australia Limited
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 02 9875 6666
 devgroup-aust@au.mcd.com

Project Manager
 NDG
 NATIONAL DEVELOPMENT GROUP

Richmond+Ross
 CONSULTING ENGINEERS AND PROJECT LEADERS
 38 Willoughby Road, Crows Nest
 NSW 2065
 TEL: (02) 9490 9600 FAX: (02) 9436 1224
 Consultants

Project
 McDONALDS WONGAWILLI

Location
 WEST DAPTO ROAD
 WONGAWILLI
 NSW 2530

PRELIMINARY
 NOT TO BE USED DURING CONSTRUCTION

Scale
 1:100 @ A3

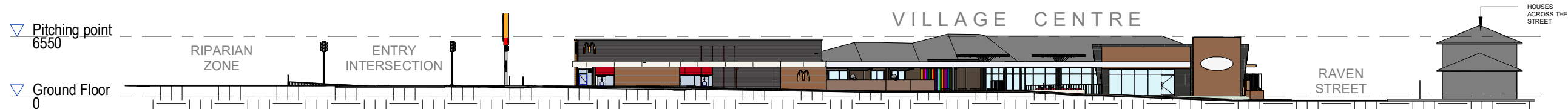
Series
 BIOMOD

Drawing
PROPOSED FLOOR PLAN

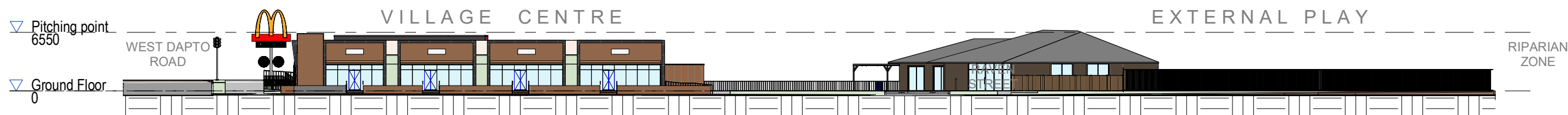
Project Number
180109

Drawing Number
A101

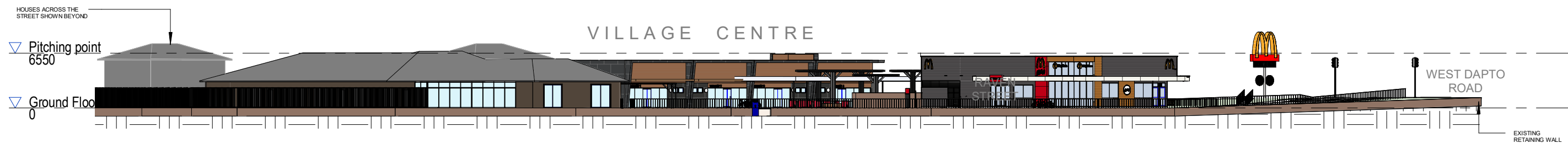
Issue
P



1 WEST DAPTO ROAD ELEVATION
1 : 500



2 RAVEN STREET ELEVATION
1 : 500



3 RIPARIAN CORRIDOR ELEVATION
1 : 500

Revisions	General Notes Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.	Drawing Notes	<div>PRELIMINARY</div> <div>NOT TO BE USED DURING CONSTRUCTION</div>	<div>Architect</div> <div>ABN 34 001 485 436</div> <div>Richmond+Ross</div> <div>CONSULTING ENGINEERS AND PROJECT LEADERS</div> <div>38 Willoughby Road Crows Nest NSW 2065</div> <div>TEL: (02) 9490 9600 FAX: (02) 94381224</div>	<div>Client</div> <div>MC DONALDS</div>	<div>Project</div> <div>WONGAWILLI UPDATE CONCEPT</div>	<div>Scale</div> <div>1 : 500 @ A3</div>
						<div>Location</div> <div>WEST DAPTO ROAD, WONGAWILLI NSW</div>	<div>Drawing</div> <div>SITE ELEVATION</div>
						<div>Project Number</div> <div>180109</div>	<div>Drawing Number</div> <div>A200</div>
Issue Description	Date	Chk Int					



Revisions		General Notes	
P	REVISED DA ISSUE	12.05.2021	PR AC
N	REVISED DA ISSUE	06.05.2021	PR PK
E	DA ISSUE	14.09.2020	PR PK
C	DA ISSUE	23.10.2019	PR GM
S	PRELIMINARY	18.10.2019	PR GM
A	PRELIMINARY	26.07.2019	PR GM
Issue Description		Date	Chk Int

Drawing Notes
1. REFER TO MASTER LEGENDS ON DA021, FINISHES LEGENDS ON DA205. SIGNAGE PLAN ON DA801

Client
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Project Manager
NDG
NATIONAL DEVELOPMENT GROUP

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FAX: (02) 9438 1224
Consultants

Project
McDONALDS WONGAWILLI
Location
WEST DAPTO ROAD
WONGAWILLI
NSW 2530

PRELIMINARY
NOT TO BE USED DURING CONSTRUCTION

Scale
1:100 @ A3

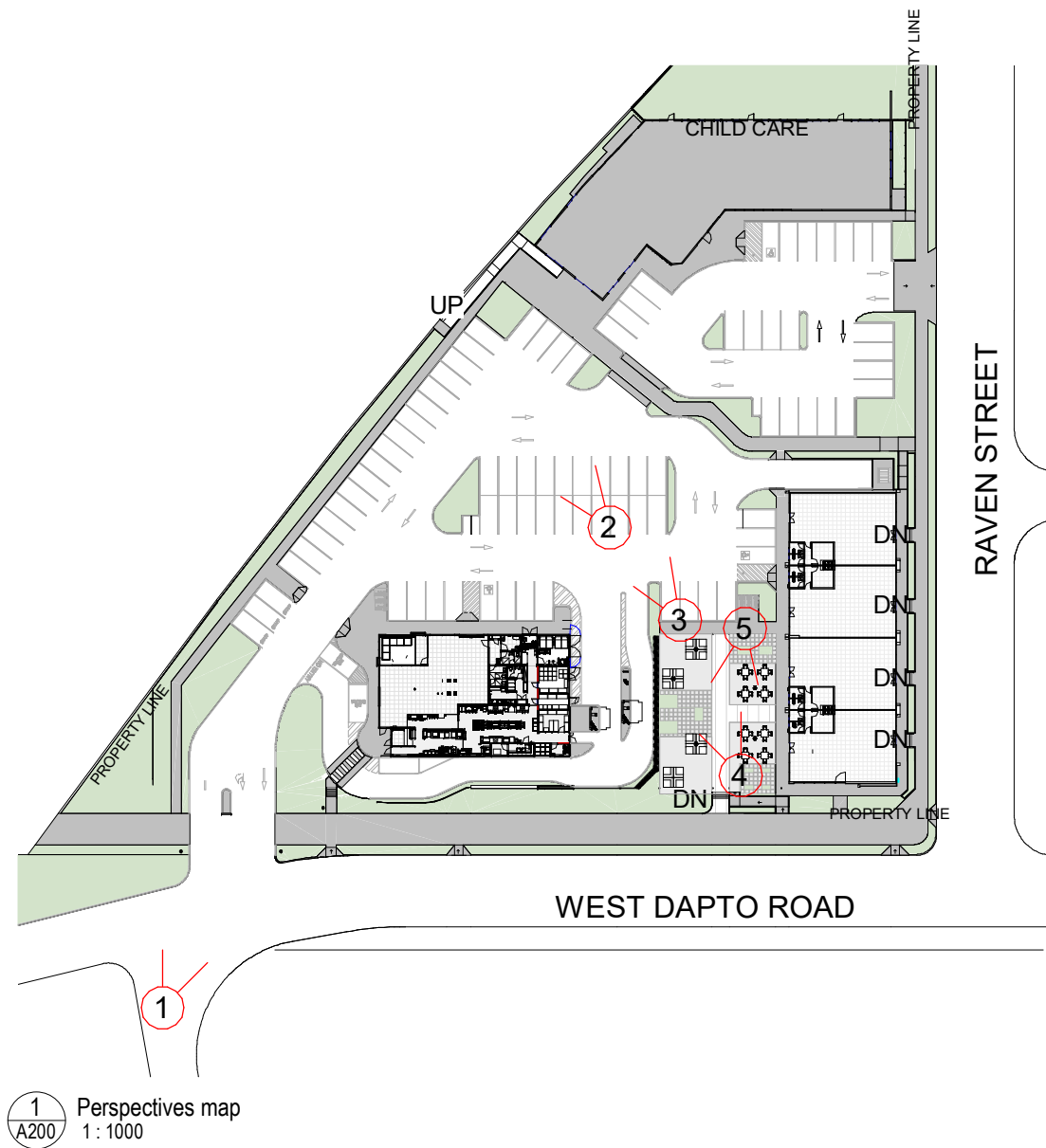
Series
BIOMOD

Drawing
FRONT & SIDE BUILDING ELEVATIONS

Project Number
180109

Drawing Number
A201

Issue
P



VIEW 01



VIEW 02



VIEW 03

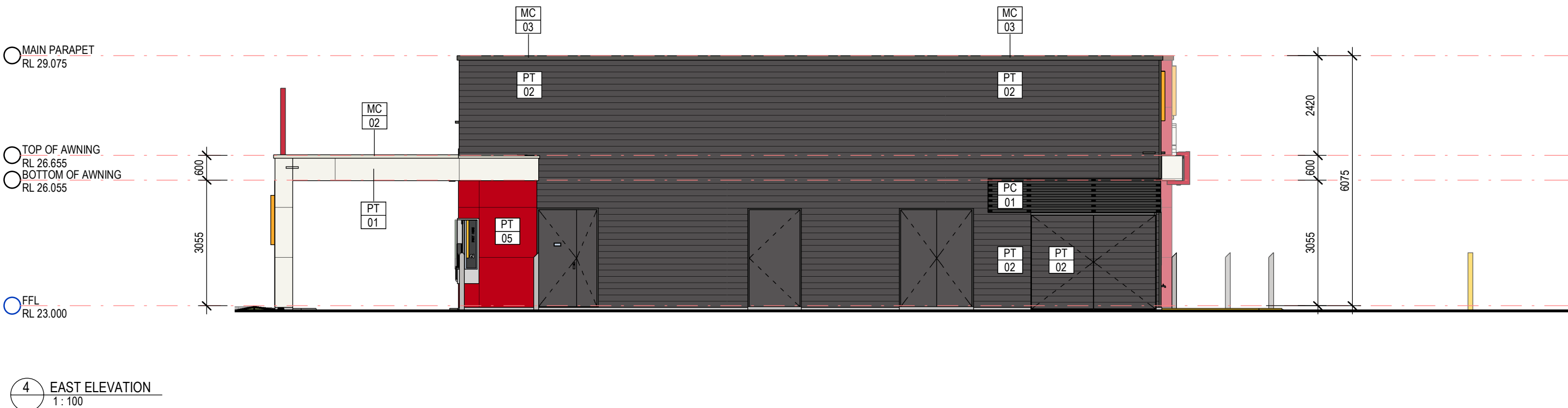


VIEW 04



VIEW 05

Revisions					General Notes					Drawing Notes					PRELIMINARY NOT TO BE USED DURING CONSTRUCTION					Architect ABN 34 001 485 436 Richmond+Ross CONSULTING ENGINEERS AND PROJECT LEADERS 38 Willoughby Road Crows Nest NSW 2065 TEL: (02) 9490 9600 FAX: (02) 94381224					Client MC DONALDS					Project WONGAWILLI UPDATE CONCEPT					Scale 1 : 1000 @ A3				
A PEDESTRIAN PATH REINSTATED 26.07.2021 SH AC					Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.																				Drawing SITE PERSPECTIVE														
Issue Description Date Chk Int																									Project Number Drawing Number Issue														
																									180109 A201 A														

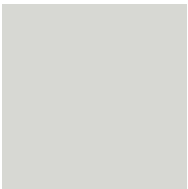

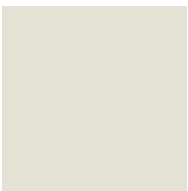




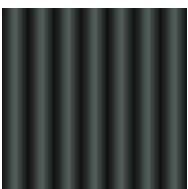


PRELIMINARY
NOT TO BE USED DURING CONSTRUCTION

Scale	Series
1 : 100 @ A3	BIOMOD
Drawing	
DRIVE THRU & REAR ELEVATIONS	
Project Number	Drawing Number
180109	A202


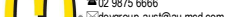


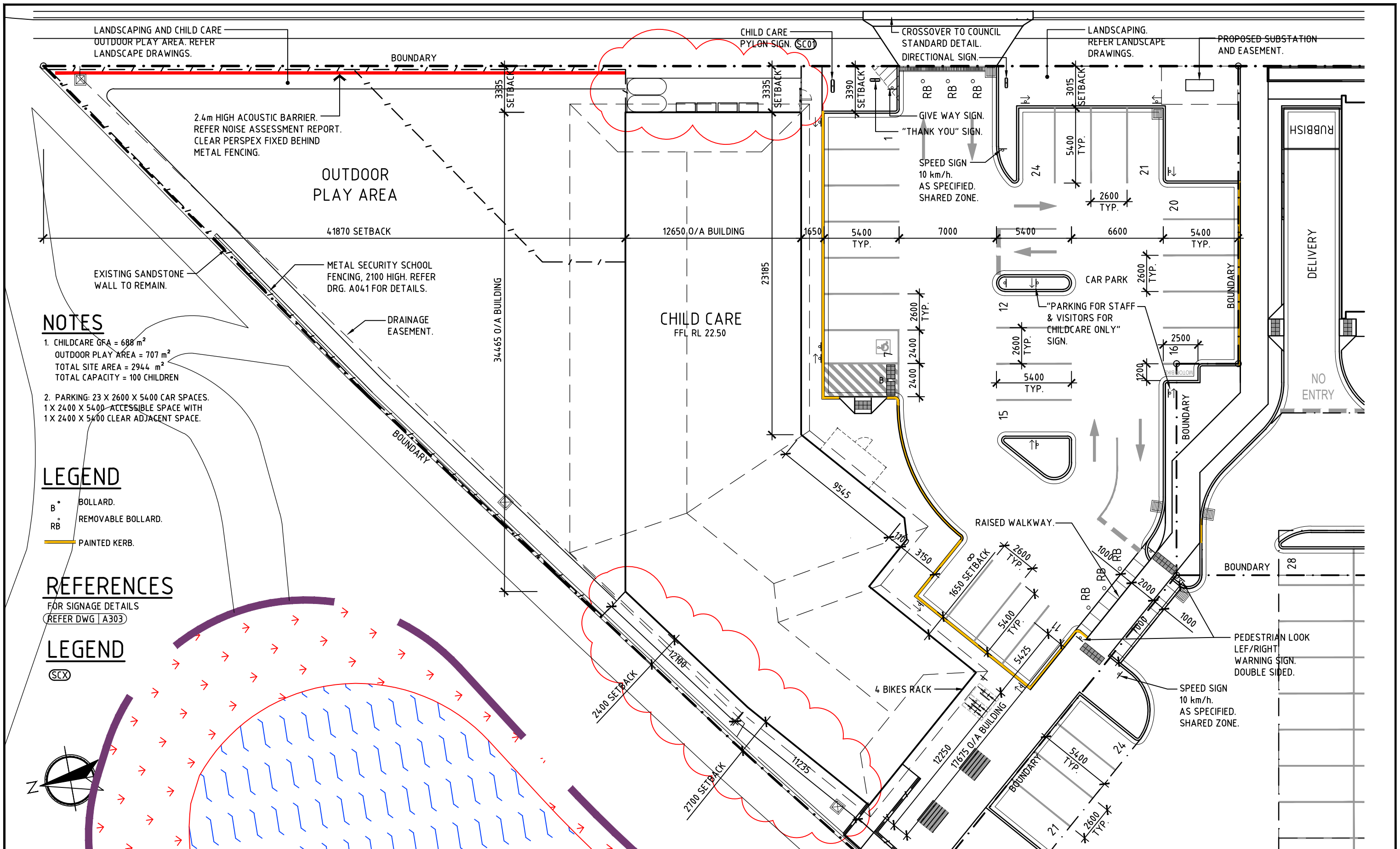
Revisions				General Notes				Drawing Notes				<div>PRELIMINARY</div> <div>NOT TO BE USED DURING CONSTRUCTION</div>				Architect				ABN 34 001 485 436				Client				Project				Scale							
				Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.												Richmond+Ross				CONSULTING ENGINEERS AND PROJECT LEADERS				MC DONALDS				WONGAWILLI UPDATE CONCEPT				@ A3							
																												Drawing											
																												SITE PERSPECTIVE											
A PEDESTRIAN PATH REINSTATED				26.07.2021 SH AC																								Project Number				Drawing Number				Issue			
Issue Description				Date Chk Int																								180109				A202				A			

EXTERNAL FINISHES SCHEDULE						
CODE	No.	AREA	DESCRIPTION	MANUFACTURER	COLOUR	IMAGE
AN	01	ALUMINIUM WINDOWS & DOOR FRAMES	PREFABRICATED ALUMINIUM FRAMING	CAPRAL	NATURAL FINISH CLEAR ANODISED	
MC	01	PARAPET CAPPING	PREFINISHED METAL CAPPING / FLASHING	COLORBOND	JASPER	
MC	02	PARAPET CAPPING	PREFINISHED METAL CAPPING / FLASHING	COLORBOND	SURFMIST	
MC	03	PARAPET CAPPING	PREFINISHED METAL CAPPING / FLASHING	COLORBOND	WOODLAND GREY	
MC	04	PARAPET CAPPING	PREFINISHED METAL CAPPING / FLASHING	COLORBOND	MANOR RED	
MWC	01	PLAYPLACE & PARAPETS	TIMBER LOOK ALUMINIUM CLADDING SYSTEM USING KNOTWOOD 200mm CLADDING PROFILE	KNOTWOOD	LIGHT OAK	
MWC	02	ROOF WELL (INTERNAL PARAPET LINING)	CUSTOM ORB CORRUGATED STEEL RIVET FIXED VERTICALLY TO FRAMES	LYSAGHT	ZINCALUME	
MWC	03	ROOF WELL (PLAYPLACE WALL LINING)	CUSTOM ORB CORRUGATED STEEL RIVET FIXED VERTICALLY TO FRAMES	LYSAGHT	WOODLAND GREY	

EXTERNAL FINISHES SCHEDULE						
CODE	No.	AREA	DESCRIPTION	MANUFACTURER	COLOUR	IMAGE
PC	01	CORRAL BATTENS & ROOF ACCESS, ELEC. ROOM DOORS	POWDERCOAT FINISH	DULUX DURALLOY	MONUMENT SATIN (COLORBOND)	
PT	01	FASCIAS (RIBBON)	PAINT FINISH. REFER SPECIFICATION FOR DETAILS ON PAINT TYPE & APPLICATION	DULUX	VIVID WHITE PW1H9	
PT	02	MAIN BUILDING WALLS	PAINT FINISH. REFER SPECIFICATION FOR DETAILS ON PAINT TYPE & APPLICATION	DULUX	WAYWARD GREY PG1G8	
PT	05	BLADE WALL & DRIVETHRU WINDOWS	PAINT FINISH. REFER SPECIFICATION FOR DETAILS ON PAINT TYPE & APPLICATION	DULUX	McDONALDS RED RGB Value: R189 G0 B22.	
STN	01	DRIVETHRU WINDOW SILL & SURROUND	RECONSTITUTED STONE. REFER TO DECOR DOCUMENTS	REFER DECOR	REFER DECOR	

Revisions				General Notes				Drawing Notes			
P	REVISED DA ISSUE	12.05.2021	PR AC	Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.				1. FOR BUILDING ELEVATIONS REFER A201-A203			
N	REVISED DA ISSUE	06.05.2021	PR PK								
E	DA ISSUE	14.09.2020	PR PK								
A	PRELIMINARY	25.07.2019	PR GM								
Issue Description		Date	Chk Int								

Client		Project		Scale		Series	
 McDonald's Australia Limited ABN: 43 008 496 928 02 9875 6666 devgroup-aust@au.mcd.com		McDONALDS WONGAWILLI		1 : 100 @ A3		BIOMOD	
Project Manager		Drawing		Project Number		Drawing Number	
 NATIONAL DEVELOPMENT GROUP		FINISHES SCHEDULE		180109		A205	
Consultants		Location		Project Number		Issue	
Richmond+Ross CONSULTING ENGINEERS AND PROJECT LEADERS 38 Willoughby Road Crows Nest NSW 2065 TEL: (02) 9490 9600 FAX: (02) 9438 1224		WEST DAPTO ROAD WONGAWILLI NSW 2530		180109		P	



REV No.	COMMENTS	DATE	INIT.
A	DA ISSUE	10.10.19	JK
B	DA ISSUE	23.10.19	JK
C	DA ISSUE	31.10.19	JK
D	DA ISSUE	01.11.19	JK
E	DA ISSUE	13.05.20	JK
F	DA ISSUE, REVISED SITE LAYOUT	12.05.21	JK
G	ADDED CHILDCARE PARKING ONLY SIGNAGE & AWNING FOR BIKE RACK, CROSSOVER REVISED	25.06.21	JK
H	FENCE REMOVED, A/C UNITS AND WATER TANKS RELOCATED IN ENCLOSURE AS CLOUDED	21.07.21	SH

DA ISSUE

PROJECT:
PROPOSED DEVELOPMENT AT
1 RAVEN STREET
WONGAWILLI, NSW 2530

CLIENT:

Richmond+Ross PTY LIMITED
CONSULTING ENGINEERS AND PROJECT LEADERS
ABN 34 001 485 436

38 WILLOUGHBY ROAD,
CROWS NEST, NSW 2065
TEL : (02) 9490 9600
FAX : (02) 9438 1224

CHILD CARE
SITE PLAN

DATE: AUG 2019
SCALE: 1:250 @ A3
JOB No. 180109

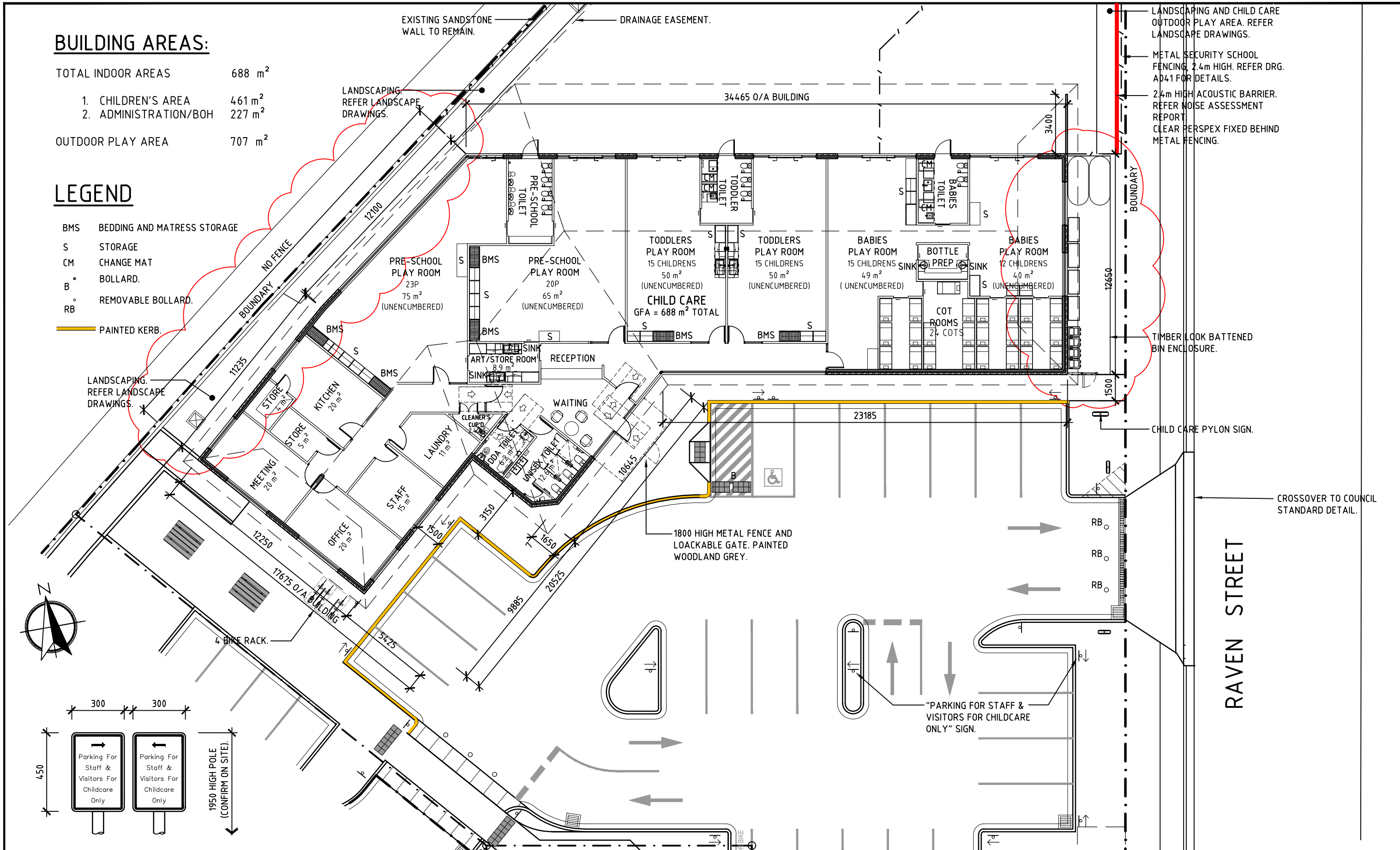
DRG.No. A300
REV H

BUILDING AREAS:

TOTAL INDOOR AREAS	688 m ²
1. CHILDREN'S AREA	461 m ²
2. ADMINISTRATION/BOH	227 m ²
OUTDOOR PLAY AREA	707 m ²

LEGEND

BMS	BEDDING AND MATTRESS STORAGE
S	STORAGE
CM	CHANGE MAT
B	BOLLARD.
RB	REMOVABLE BOLLARD.
PAINTED KERB	



REV No.	COMMENTS	DATE	INIT.
G	DA ISSUE, FLOOR PLAN REVISED	01.10.20	JK
H	DA ISSUE, FLOOR PLAN REVISED	03.12.20	JK
J	DA ISSUE, FLOOR PLAN REVISED	01.02.21	SH
K	DA ISSUE, REVISED SITE LAYOUT	12.05.21	JK
L	STORAGE LABELLED, BOTTLE PREP REVISED	22.06.21	SH
M	ADDED CHILDCARE PARKING ONLY SIGNAGE, CHILDCARE BUILDING AND CROSSOVER REVISED	25.06.21	JK
N	COTS ADDED, CHANGE MATS ADDE, STORAGE REVISED	30.06.21	SH
O	FENCE REMOVED, A/C UNITS AND WATER TANKS RELOCATED IN ENCLOSURE AS CLOUDED	21.07.21	SH

PROJECT:
PROPOSED DEVELOPMENT AT
1 RAVEN STREET
WOLLONGONG, NSW 2530

CLIENT:

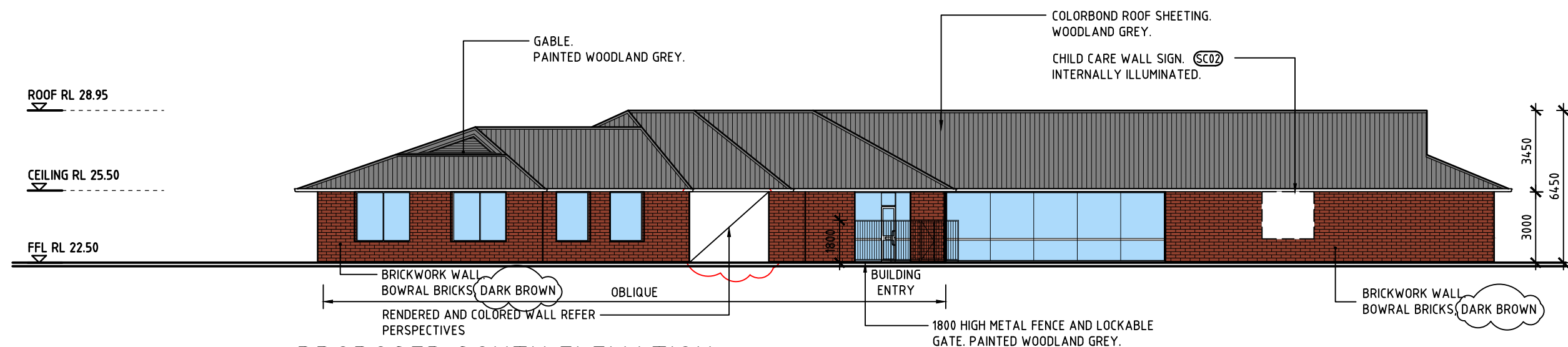
Richmond+Ross PTY LIMITED
CONSULTING ENGINEERS AND PROJECT LEADERS
ABN 34 001 485 436
38 WILLOUGHBY ROAD,
CROWS NEST, NSW 2065
TEL : (02) 9490 9600
FAX : (02) 9438 1224

CHILD CARE
FLOOR PLAN

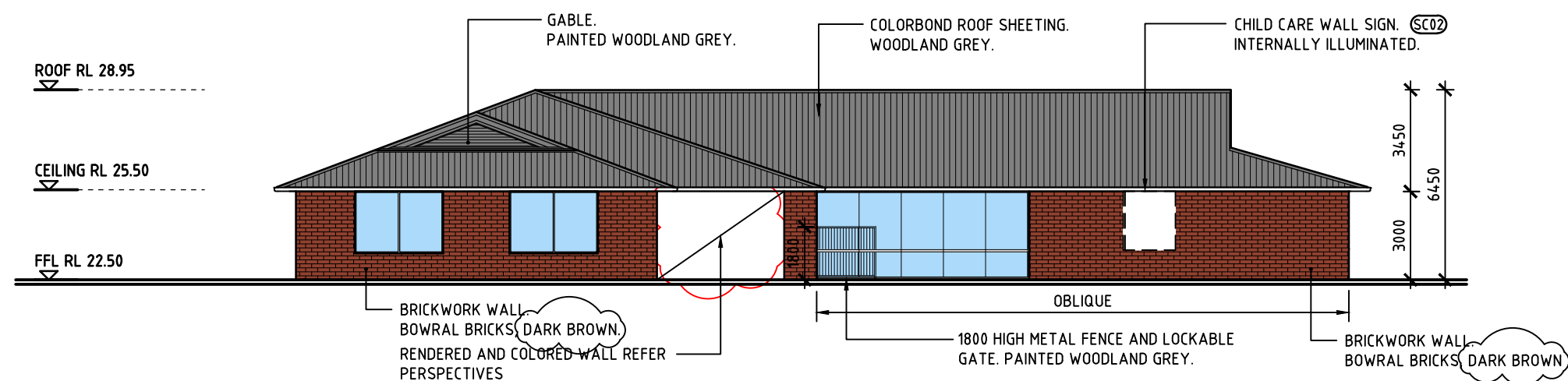
DATE: **AUG 2019**
SCALE: 1:200 @ A3
JOB No. **180109**

DRG.No. **A301**
REV 0

DA ISSUE



PROPOSED SOUTH ELEVATION



PROPOSED SOUTH WEST ELEVATION

LEGEND
(SCX)

REFERENCES
FOR SIGNAGE DETAILS
(REFER DWG |CH801)

REV No.	COMMENTS	DATE	INIT.
A	DA ISSUE	16.08.19	JK
B	DA ISSUE	10.10.19	JK
C	DA ISSUE	23.10.19	JK
D	DA ISSUE	20.05.20	JK
E	DA ISSUE	12.05.21	JK
F	DA ISSUE	30.06.21	JK
G	WALL COLOURS REVISED	21.07.21	SH

DA ISSUE

PROJECT:
PROPOSED DEVELOPMENT AT
1 RAVEN STREET
WONGAWILLI, NSW 2530

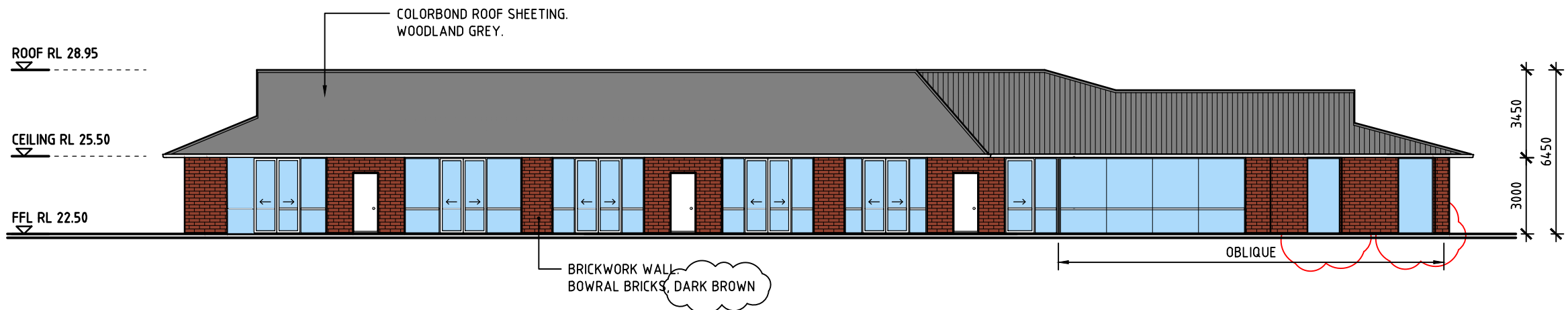
CLIENT:

Richmond+Ross PTY LIMITED
CONSULTING ENGINEERS AND PROJECT LEADERS
ABN 34 001 485 436

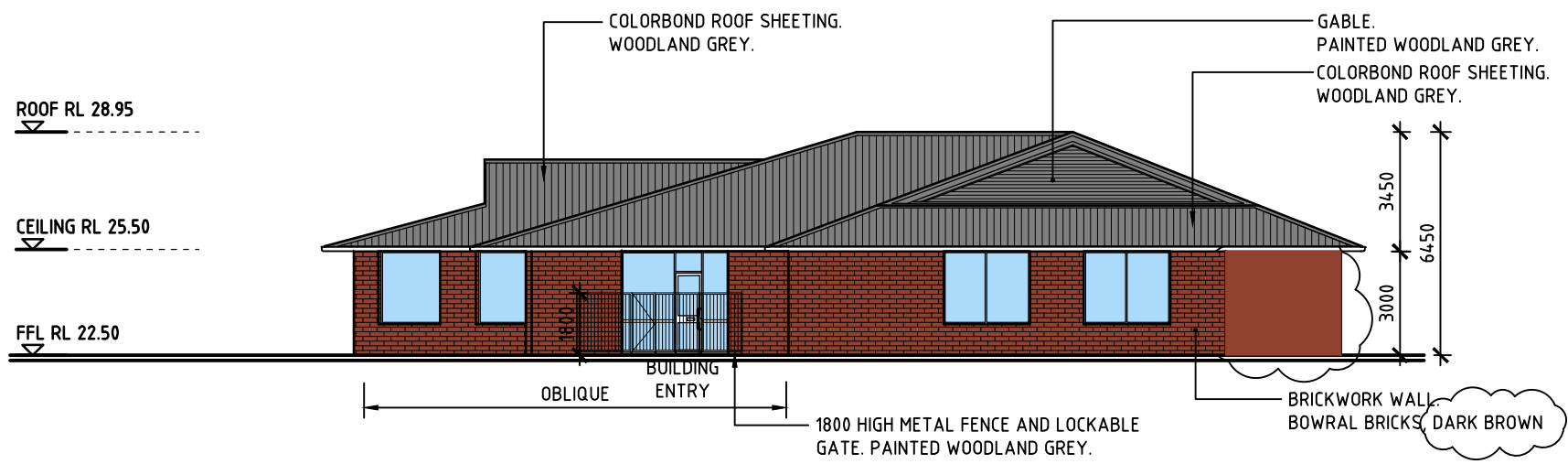
38 WILLOUGHBY ROAD,
CROWS NEST, NSW 2065
TEL : (02) 9490 9600
FAX : (02) 9438 1224

**CHILD CARE
ELEVATIONS**

DATE: **AUG 2019** DRG.No.
SCALE: 1:200 @ A3 **A302**
JOB No. **180109** REV G



PROPOSED NORTH ELEVATION



PROPOSED EAST ELEVATION

REV No.	COMMENTS	DATE	INIT.
A	DA ISSUE	16.08.19	JK
B	DA ISSUE	10.10.19	JK
C	DA ISSUE	23.10.19	JK
D	DA ISSUE	20.05.20	JK
E	DA ISSUE	12.05.21	JK
F	DA ISSUE	30.06.21	JK
G	WALL COLOURS REVISED, WINDOWS REVISED, WALL ADDED	21.07.21	SH

DA ISSUE

PROJECT:
PROPOSED DEVELOPMENT AT
1 RAVEN STREET
WONGAWILLI, NSW 2530

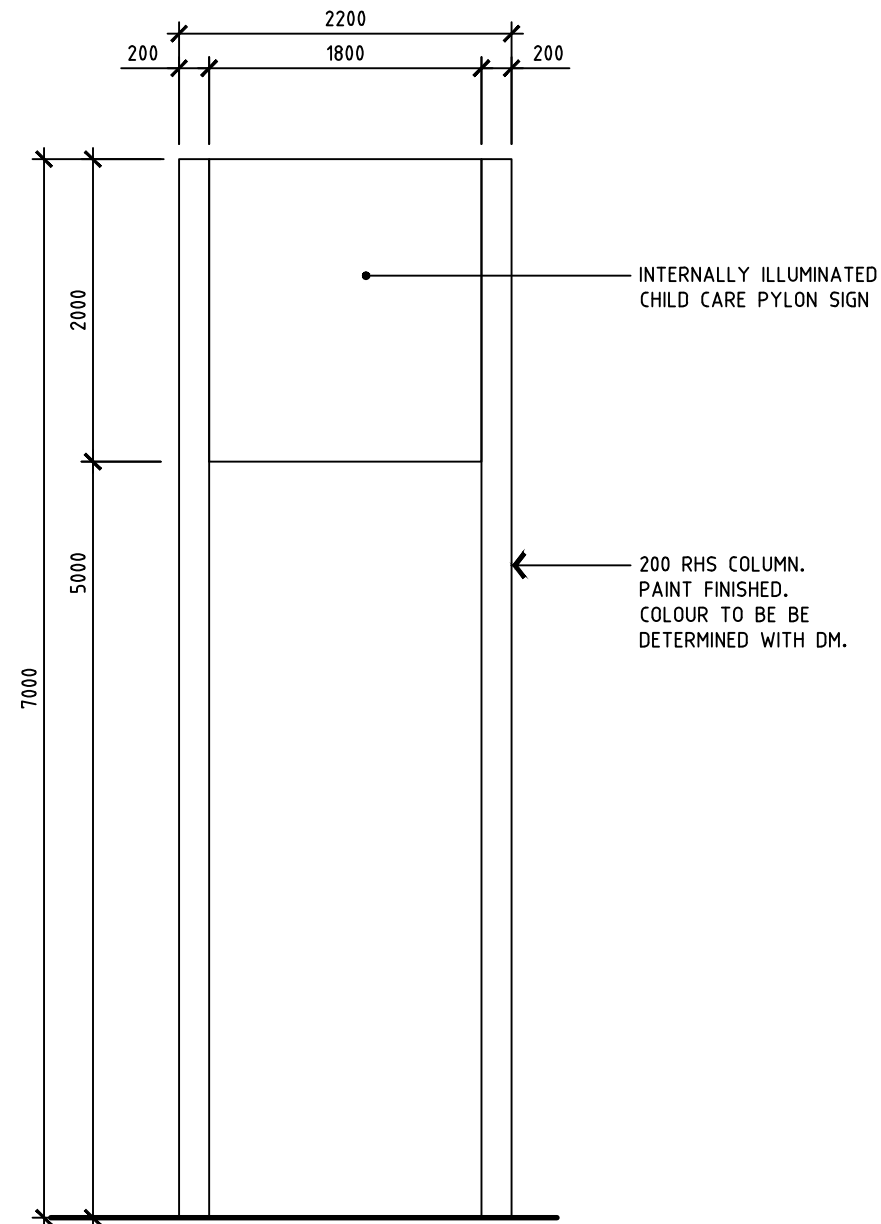
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Richmond+Ross PTY LIMITED
CONSULTING ENGINEERS AND PROJECT LEADERS
ABN 34 001 485 436

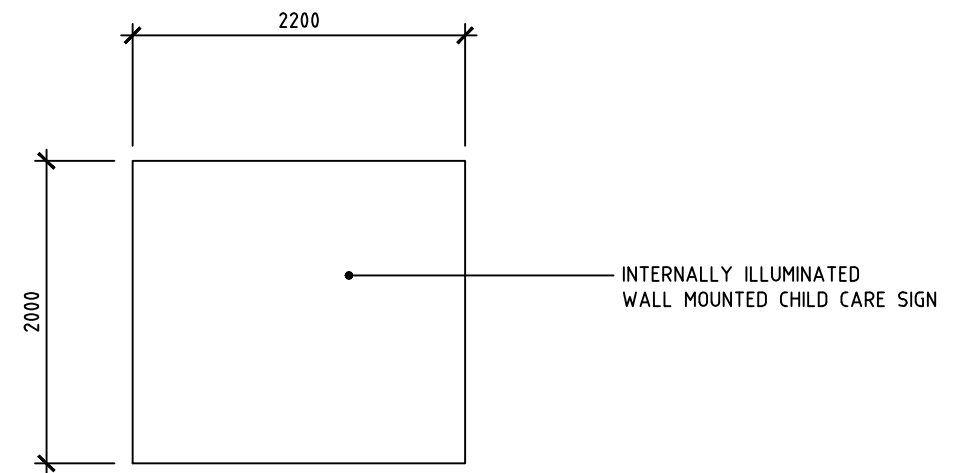
38 WILLOUGHBY ROAD,
CROWS NEST, NSW 2065
TEL : (02) 9490 9600
FAX : (02) 9438 1224

CHILD CARE ELEVATIONS

DATE:	AUG 2019	DRG.No.
SCALE:	1:200 @ A3	A303
JOB No.	180109	REV G



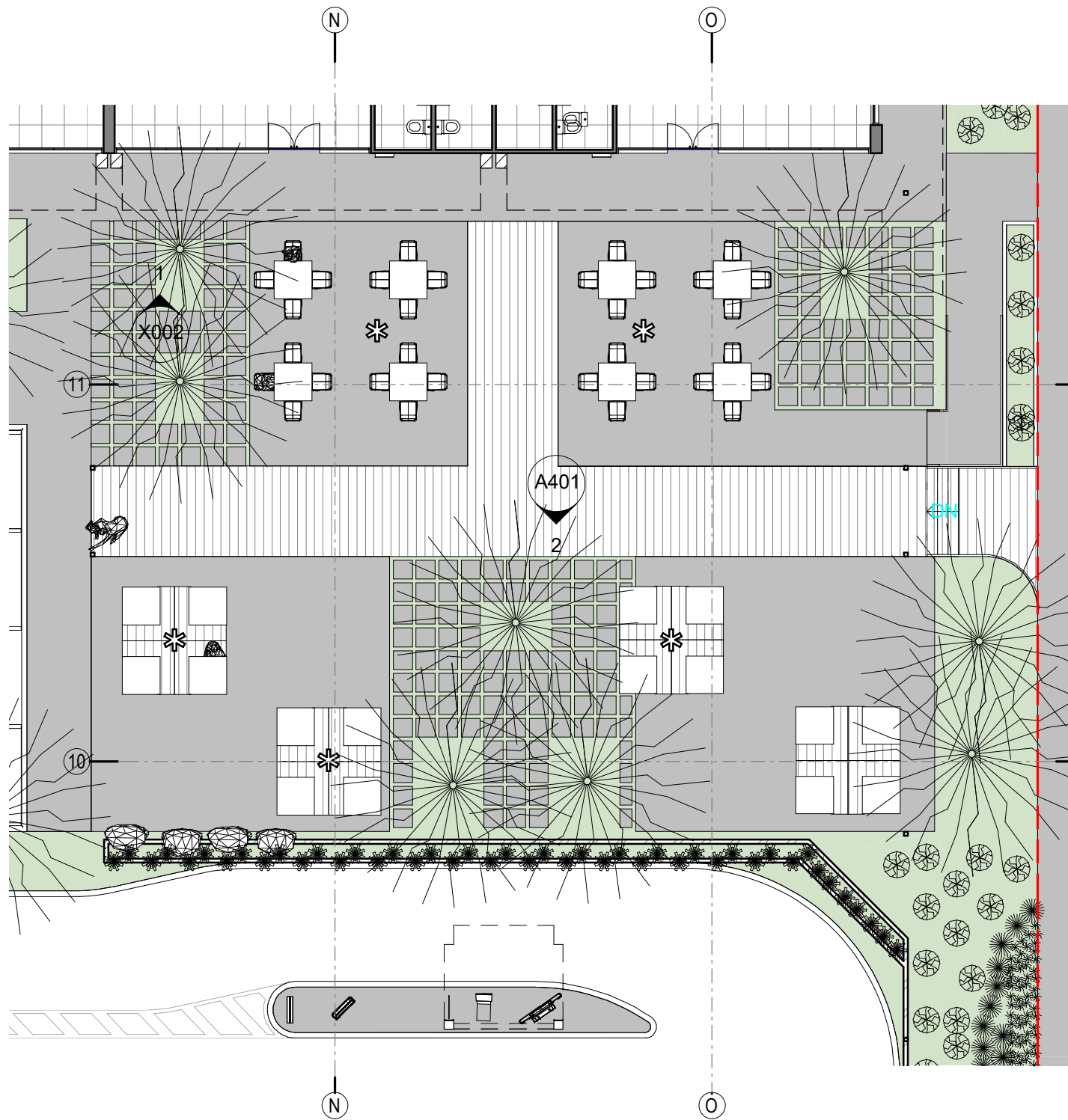
SC01 PYLON SIGN CHILD CARE
A300



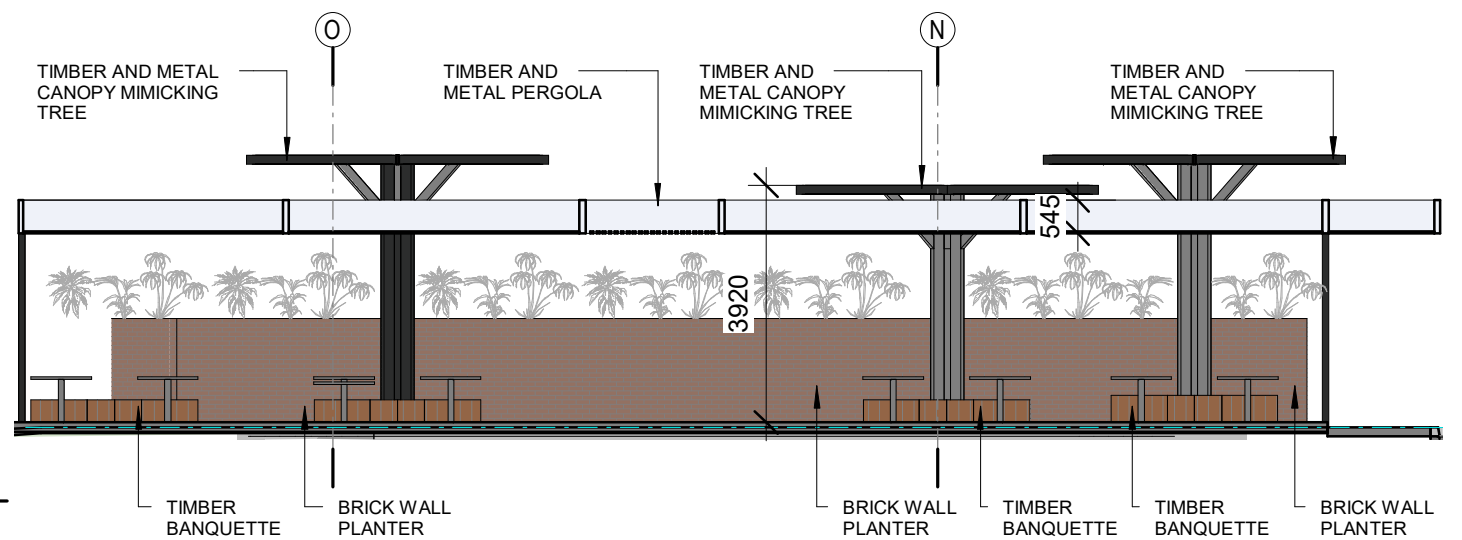
SC02 WALL SIGN CHILD CARE
A302

REV No.	COMMENTS	DATE	INIT.	PROJECT: PROPOSED DEVELOPMENT AT 1 RAVEN STREET WONGAWILLI, NSW 2530		CHILD CARE SIGNAGE DETAILS	
A	DA ISSUE	17.10.19	JK				
B	DA ISSUE	23.10.19	JK	CLIENT:		DATE:	AUG 2019
C	DA ISSUE	20.05.20	JK			SCALE:	1:50 @ A3
D	DA ISSUE, DRAWING REVISED	12.05.21	JK	38 WILLOUGHBY ROAD, CROWS NEST, NSW 2065 TEL : (02) 9490 9600 FAX : (02) 9438 1224		JOB No.	180109
				DA ISSUE			
				DRG.No. A304 REV D			

Richmond+Ross PTY LIMITED
CONSULTING ENGINEERS AND PROJECT LEADERS
ABN 34 001 485 436



1 PLAZA FLOOR PLAN
DA300 1 : 150

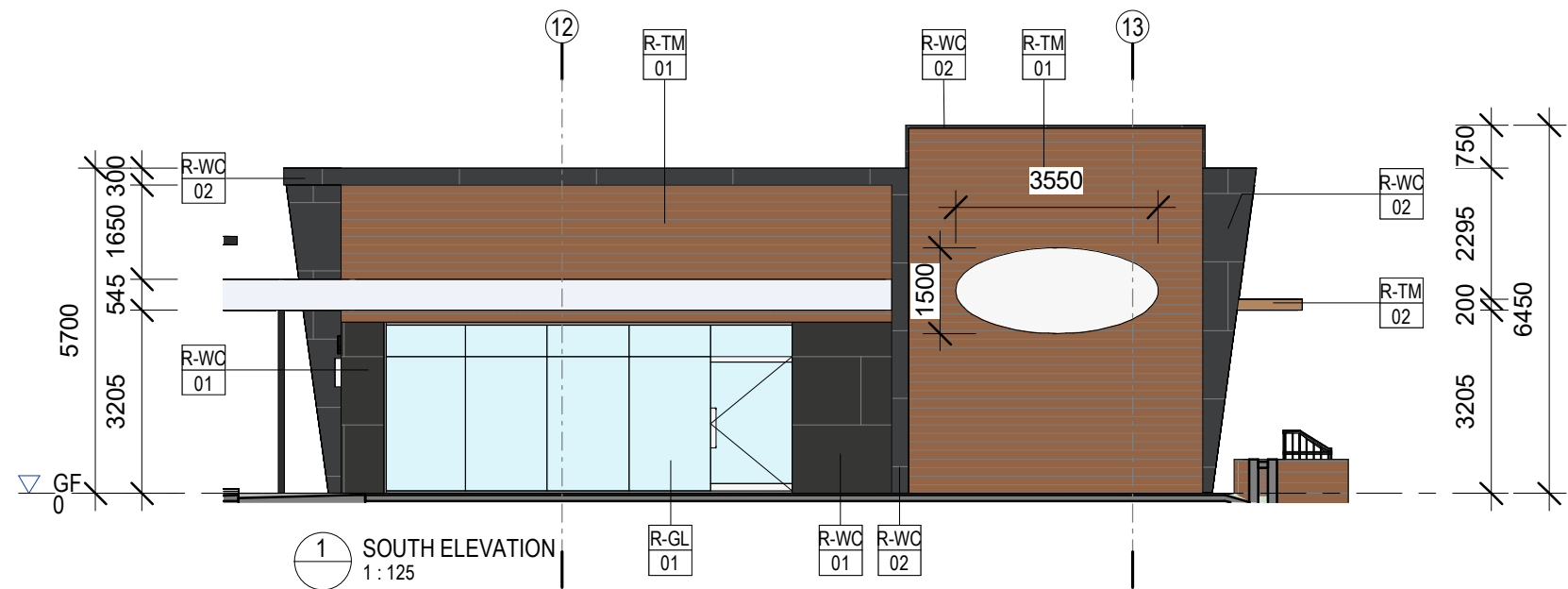
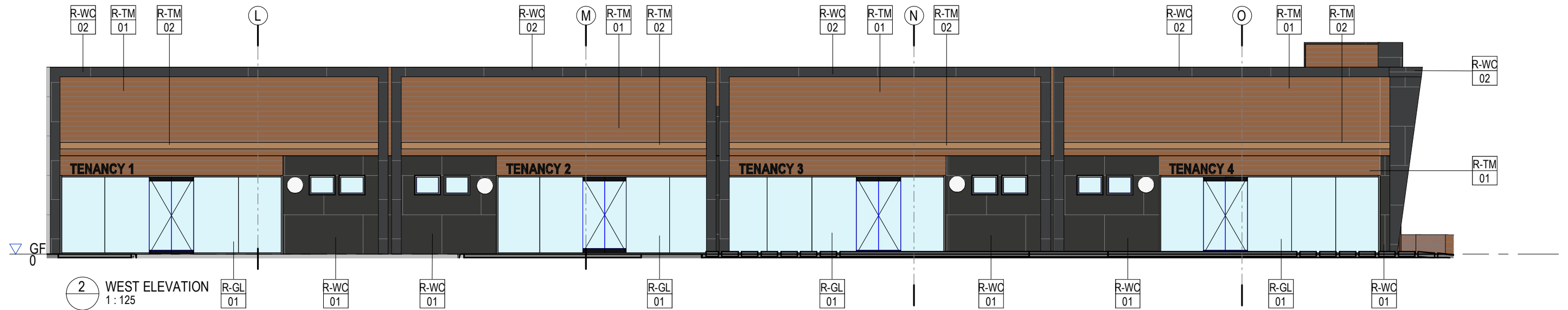


2 PLAZA ELEVATION
A401 1 : 125




3 PERSPECTIVE
N/S

Revisions 4 DA ISSUE 30.06.2021 PR AC 3 DA ISSUE 31.05.2021 PR AC 2 DA ISSUE 12.05.2021 PR AC 1 PRE DA ISSUE 26.04.2021 PR AC Issue Description Date Chk Int	General Notes Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.	Drawing Notes DA ISSUE NOT TO BE USED FOR CONSTRUCTION			Architect ABN 34 001 485 436 Richmond+Ross CONSULTING ENGINEERS AND PROJECT LEADERS 38 Willoughby Road Crows Nest NSW 2065 TEL: (02) 9490 9600 FAX: (02) 94381224	Client MC DONALDS	Project WONGAWILLI UPDATE CONCEPT Location WEST DAPTO ROAD, WONGAWILLI NSW	Scale As indicated @ A3 Drawing PLAZA FLOOR PLAN Project Number Drawing Number Issue 180109 A401 4
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Revisions					General Notes					Drawing Notes					DA ISSUE					Architect					Client					Project					Scale																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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EXTERNAL FINISHES SCHEDULE				
CODE	TYPE	MANUFACTURER	COLOUR	IMAGE
R-GL	01	TBC	CLEAR TRANSPARENT	
R-MT	02	TBC	POWDERCOATED BLACK MATTE FINISH	
R-TM	01	TBC	TIMBER BATTENS CLADDING TO WALL	
R-TM	02	TBC	AMERICAN WALLNUT SOLID TIMBER	
R-TM	03	TBC	TIMBER BATTENS FOR EXTERNAL AREAS	
R-VG	01	TBC	VERTICAL GARDEN	
R-WC	01	EXOTEC	DARK GREY	
R-WC	02	EXOTEC	DARK GREY	

<div>Revisions</div> <div><div>2</div><div>DA ISSUE</div><div>12.05.2021</div></div> <div><div>1</div><div>PRE-DA ISSUE</div><div>26.04.2021</div></div> <div>Issue DescriptionDateChkInt</div>	<div>General Notes</div> <div>Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.</div>	<div>Drawing Notes</div>	<div>PRELIMINARY</div> <div>NOT TO BE USED DURING CONSTRUCTION</div>	<div>Architect</div> <div>ABN 34 001 485 436</div> <div>Richmond+Ross</div> <div>CONSULTING ENGINEERS AND PROJECT LEADERS</div> <div>38 Willoughby Road Crows Nest NSW 2065</div> <div>TEL: (02) 9490 9600 FAX: (02) 94381224</div>	<div>Client</div> <div>MC DONALDS</div>	<div>Project</div> <div>WONGAWILLI UPDATE CONCEPT</div> <div>Location</div> <div>WEST DAPTO ROAD, WONGAWILLI NSW</div>	<div>Scale</div> <div>@ A3</div>
							<div>Drawing</div> <div>EXTERNAL MATERIALS</div>
							<div>Project Number</div> <div>180109</div> <div>Drawing Number</div> <div>A405</div> <div>Issue</div> <div>2</div>

SIGNAGE SCHEDULE		ILLUMINATION
TAG	DESCRIPTION	
S1A, S1B	PLAY PLACE SIGN. LOGO & LETTERING FIXED TO HANGING FRAME.	YES
S2A	WALL SIGN. Ø1200 BUTTON SIGN. WORDING: "McCAFE" FIXED TO WALL.	
S3A, S3B, S3C, S3D, S3E	WALL SIGN. 1.371 X 1.200m HIGH "M" LOGO FIXED TO WALL/BLADE.	
S4A	ENTRY CLIP. 2.100 X 0.750m HIGH NON-ILLUMINATED FASCIA WITH LED ILLUMINATED LETTERING: "McDONALDS"	
S5A	WALL SIGN. 1.420 X 0.70m HIGH. WORDING: "McCAFE" FIXED TO BLADE.	
S6A	HEIGHT CLEARANCE GANTRY.	
S7A	SINGLE DIGITAL PRESELL MENUBOARD	
S7B, S7C	DOUBLE DIGITAL MENUBOARD.	
S8A	DIRECTIONAL SIGN. 0.7 X 2.3m HIGH. DOUBLE SIDED. WORDING: "WELCOME" / "WELCOME".	
S8B	DIRECTIONAL SIGN. 0.7 X 2.3m HIGH. DOUBLE SIDED. WORDING: "DRIVE THRU" / "DRIVE-THRU".	
S8C	DIRECTIONAL SIGN. 0.7 X 2.3m HIGH. SINGLE SIDED. WORDING: "DRIVE THRU" & "ANY LANE, ANY TIME".	
S8D, S8E	DIRECTIONAL SIGN. 0.7 X 2.3m HIGH. DOUBLE SIDED. WORDING: "THANKYOU / NO ENTRY".	
S9A	SHARED ZONE SIGN & SPEED SIGN (10km/hr) AS SPECIFIED.	NO
S9C, S9D, S9E	STOP SIGN AS SPECIFIED.	
S9F	ACCESSIBLE PARKING AS SPECIFIED.	
S9G, S9H, S9K, S9L	PEDESTRIAN WARNING SIGN AS SPECIFIED.	
S9I	NO PEDESTRIAN ACCESS SIGN AS SPECIFIED.	
S9J	BIKE RACK AS SPECIFIED (DOUBLE SIDED WHERE SHOWN).	
S9M	ALTERNATIVE ACCESS SIGN AS SPECIFIED.	
S10A, S10B	WORDING: "1. ORDER HERE". REFER DWG. A082.	
S11A, S11B, S11C	INFORMATION SIGNS WORDING: "2. PAY HERE" / "3. PICK UP HERE" / "4. PICK UP HERE".	
S12	FLAGPOLES AND BANNER.	
S13	PYLON SIGN. 8.0m O/A HEIGHT 4.343 X 3.543m HEAD.	YES
S14	WARNING SIGN FOR CONFINED SPACES AS SPECIFIED. 0.45 X 0.30m. LOCATION AND NUMBER OF SIGNS SHALL BE DETERMINED BY THE McDONALD'S DEVELOPMENT MANAGER TO SUIT SITE SPECIFIC REQUIREMENTS.	NO
S15	"McDELIVERY" BLADE SIGN 0.40 X 0.40m SIGNBOX FIXED TO WALL.	YES

REFERENCES

FOR SIGNAGE DETAILS

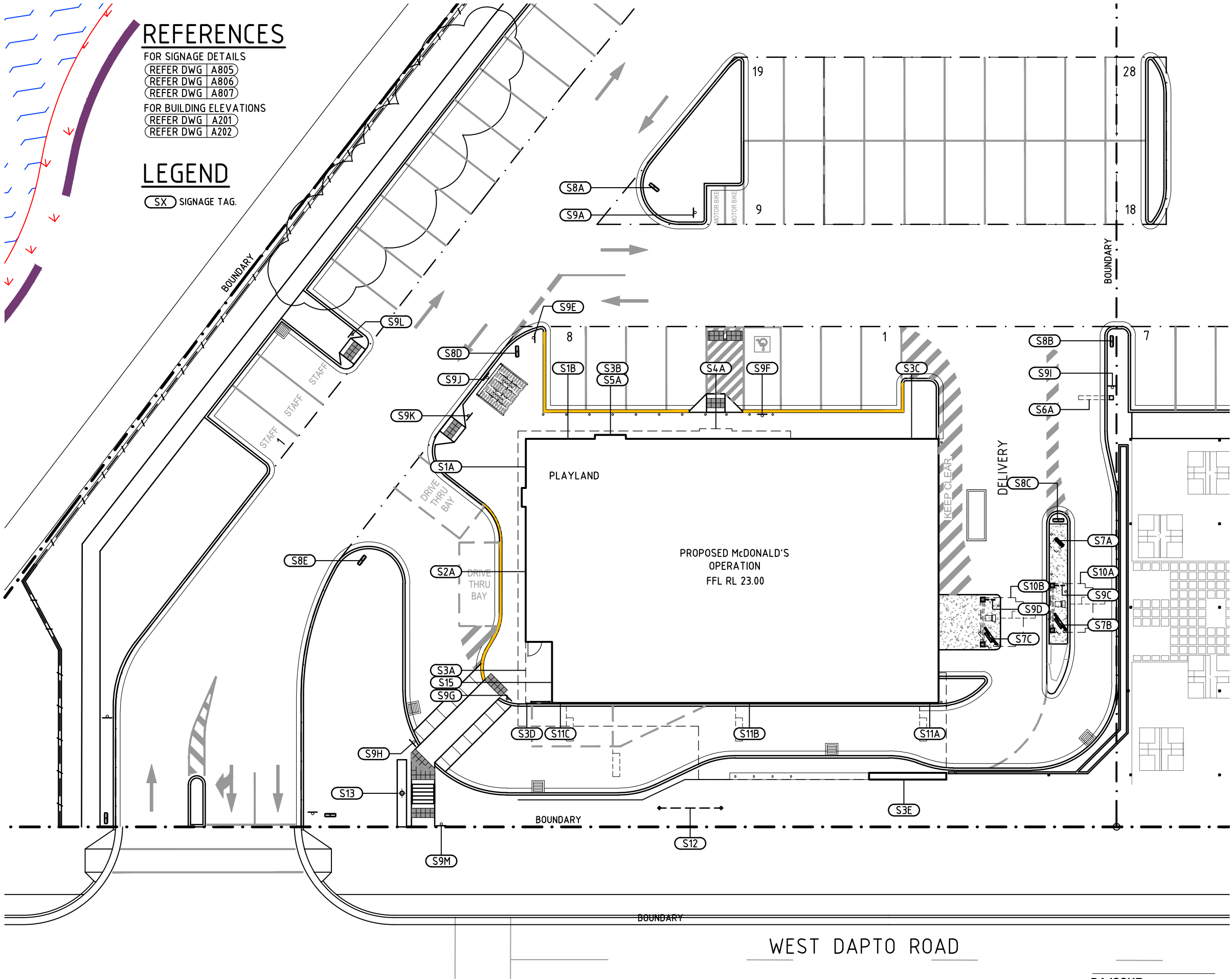
REFER DWG A805
REFER DWG A806
REFER DWG A807

FOR BUILDING ELEVATIONS

REFER DWG A201
REFER DWG A202

LEGEND

SX SIGNAGE TAG.

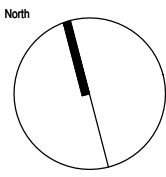


WEST DAPTO ROAD

Revisions	General Notes	Drawing Notes
M AMENDED AS CLOUDED 26.07.21 PR SH		
L FENCE AND PATH REVISED 21.07.21 PR SH		
K DA ISSUE, DRAWING REVISED 30.06.21 SH GM		
J DA ISSUE, DRAWING REVISED 25.06.21 SH JK		
I DA ISSUE, LAYOUT REVISED 28.05.21 SH GM		
H DA ISSUE, LAYOUT REVISED 12.05.21 SH JK		
G DA ISSUE 14.09.20 SH JK		
F PYLON HEIGHT REVISED 20.04.20 SH SH		
E DA ISSUE 01.11.19 SH JK		
D DA ISSUE 31.10.19 SH JK		
C DA ISSUE 31.10.19 SH JK		
B DA ISSUE 31.10.19 SH JK		
A DA ISSUE 31.10.19 SH JK		

Drawing Notes

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Client
McDonald's Australia Limited
ABN 43 008 498 528
02 9875 6666
devgroup-aust@au.mcd.com

Project Manager
NBDG
NATIONAL DEVELOPMENT GROUP

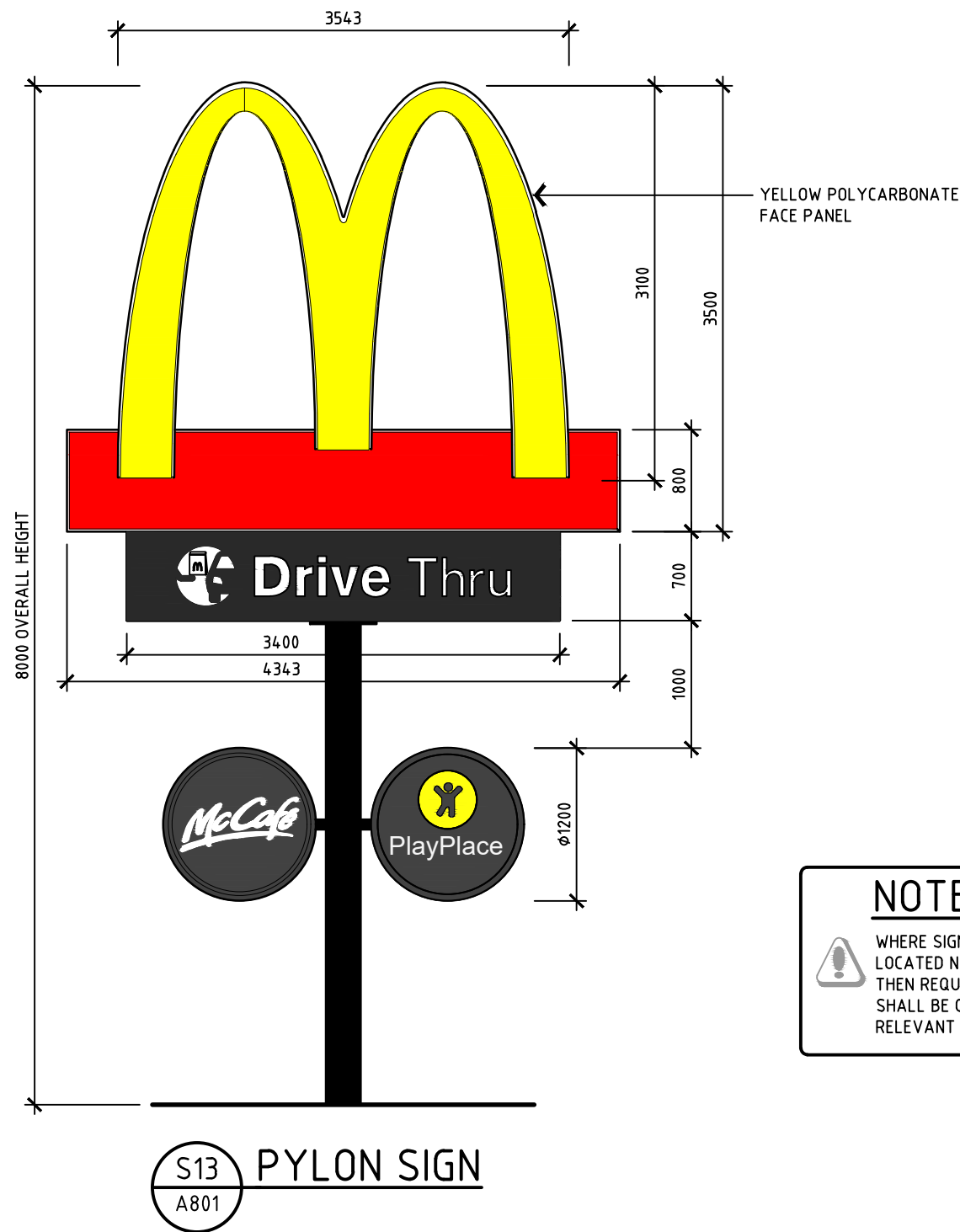
Architect
Richmond+Ross
CONSULTING ENGINEERS AND PROJECT LEADERS
38 Willoughby Road Crows Nest NSW 2065
TEL: (02) 9490 9600 FAX: (02) 94361224
Consultants

Project
McDONALD'S WONGAWILLI

Location
1 RAVEN STREET
WONGAWILLI, NSW 2530

DA ISSUE
NOT FOR USE DURING CONSTRUCTION

Scale	Series	
1:250	BIOMOD_425	
Drawing		
PROPOSED SIGNAGE PLAN		
Project Number	Drawing Number	Issue
180109	A801	M



NOTE

WHERE SIGNS OR FLAGPOLES ARE LOCATED NEAR TO POWERLINES THEN REQUIRED CLEARANCES SHALL BE CONFIRMED WITH THE RELEVANT AUTHORITIES.

Revisions				General Notes				Drawing Notes			
				Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacture. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.							
C	PYLON HEIGHT REVISED			20-04-20	SH	SH					
B	DA ISSUE			10-10-19	SH	JK					
A	DA ISSUE			28-08-19	SH	JK					
Issue Description				Date	Chk	Int					

North

Client

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Consultants

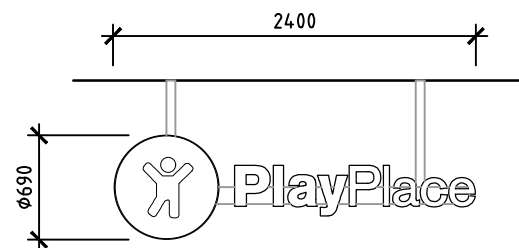
Project

McDONALD'S WONGAWILLI

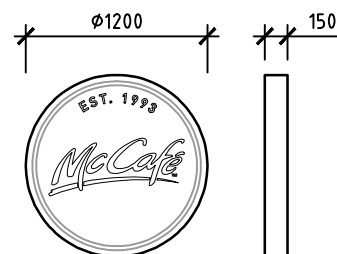
Location

1 RAVEN STREET
WONGAWILLI, NSW 2530

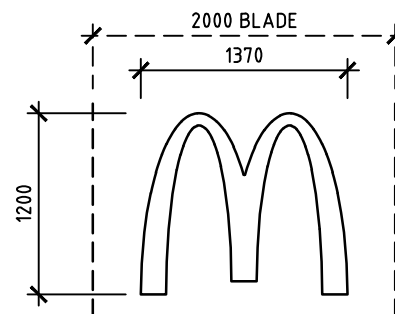
DA ISSUE		
NOT FOR USE DURING CONSTRUCTION		
Scale	Series	
1:50 U.N.O.	BIOMOD_425	
Drawing		
SIGNAGE DETAILS		
Project Number	Drawing Number	Issue
180109	A805	C



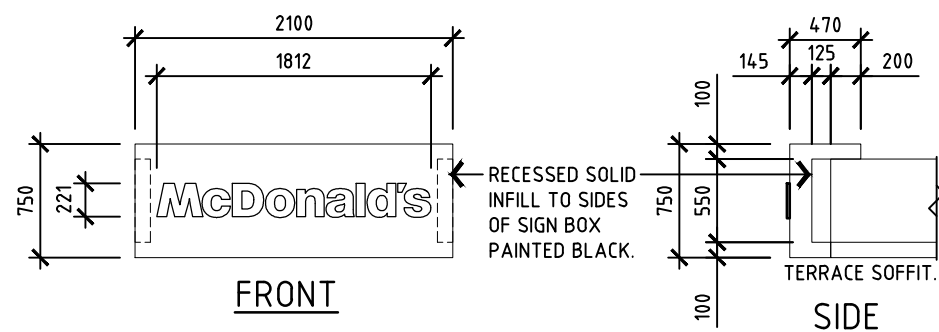
S1 HANGING SIGN
A801 YELLOW LOGO WITH INDIVIDUAL POLYCARBONATE LETTERING FIXED TO FRAME. INTERNALLY ILLUMINATED. WHITE LETTERS.



S2 WALL SIGN
A801 FABRICATED METAL BUTTON SIGN. OPAL FACES WITH BLACK VINYL GRAPHICS. LED ILLUMINATION.



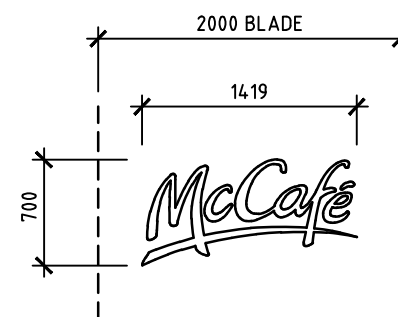
S3 WALL/BLADE SIGN
A801 YELLOW FLAT FACE POLYCARBONATE LOGO. INTERNALLY ILLUMINATED. YELLOW LOGO ON SOLID RED BACKGROUND.



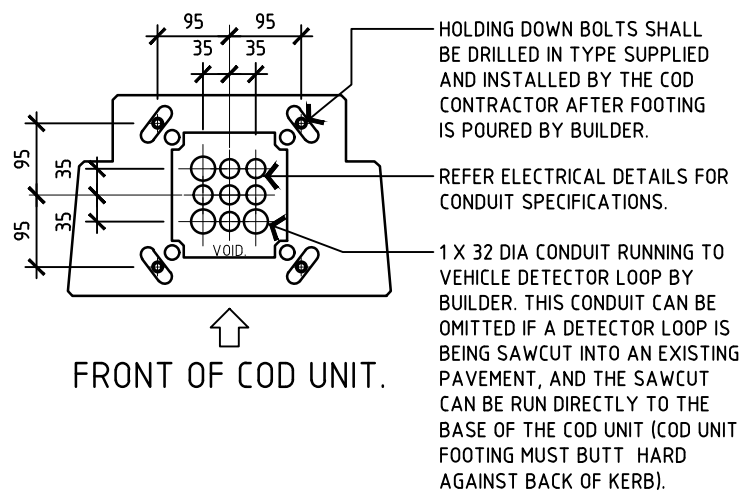
S4 ENTRY CLIP
A801 LED ILLUMINATED WORDMARK ONLY. RED CLIP TO BE CONSTRUCTED BY THE BUILDER.



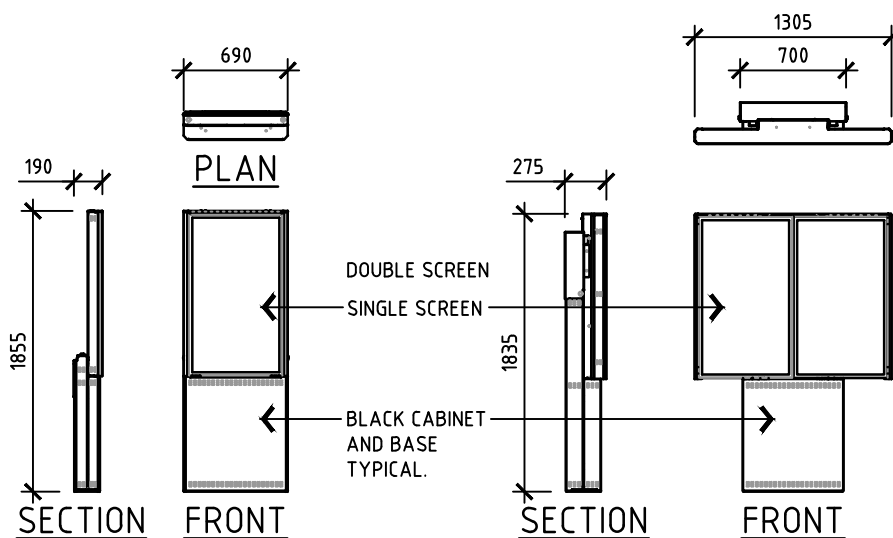
S15 WALL SIGN
A801 FABRICATED METAL BUTTON SIGN. OPAL FACES WITH BLACK VINYL GRAPHICS. YELLOW 'M'. LED ILLUMINATION.



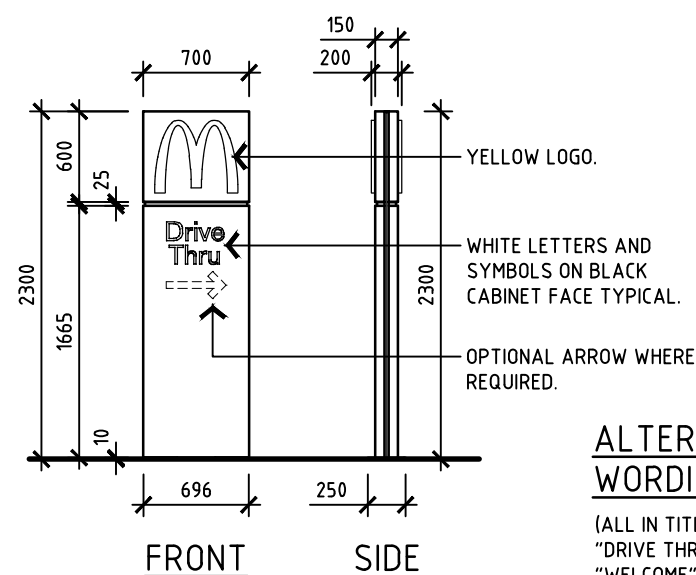
S5 BLADE SIGN
A801 INDIVIDUAL HALO ILLUMINATED REVERSE PAN FABRICATED ALUMINIUM CHANNEL LETTERS. BRUSHED ALUMINIUM FINISH.



COD UNIT BASE PLATE DETAIL
SCALE 1:10



S7 DIGITAL MENUBOARDS
A801



S8 DIRECTIONAL SIGN
A801

ALTERNATIVE WORDING
(ALL IN TITLE CASE):
"DRIVE THRU",
"WELCOME",
"NO ENTRY",
"THANK YOU",
"ANY LANE, ANY TIME"

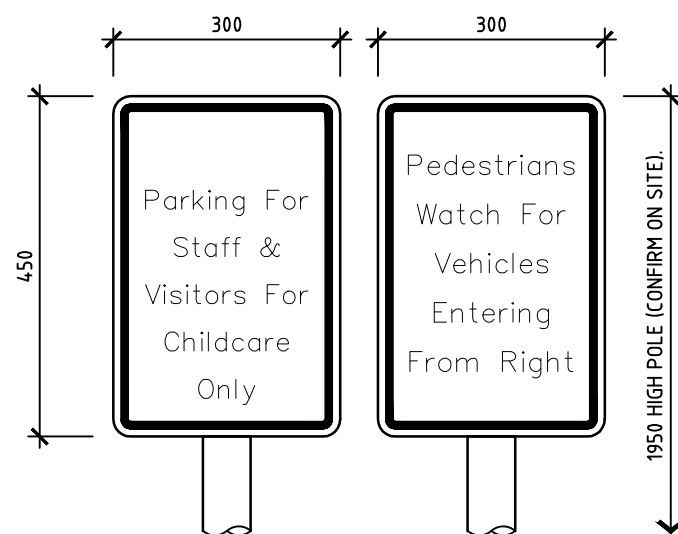
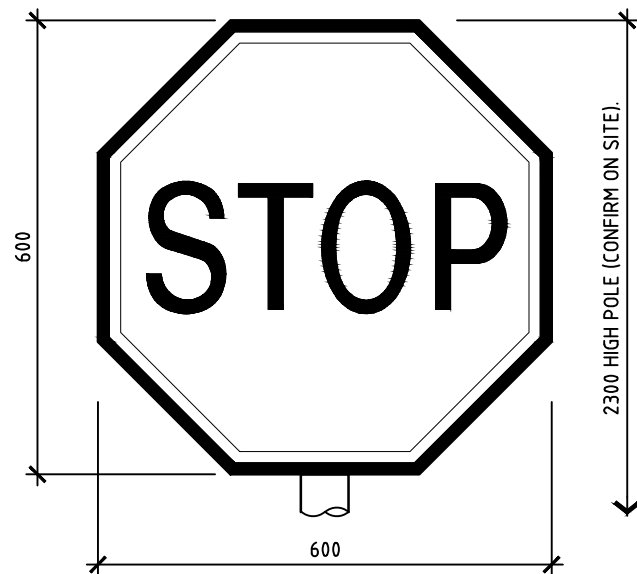
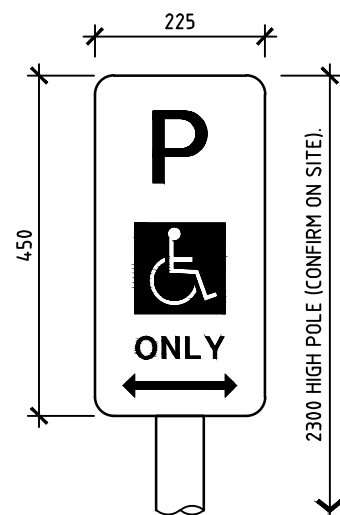
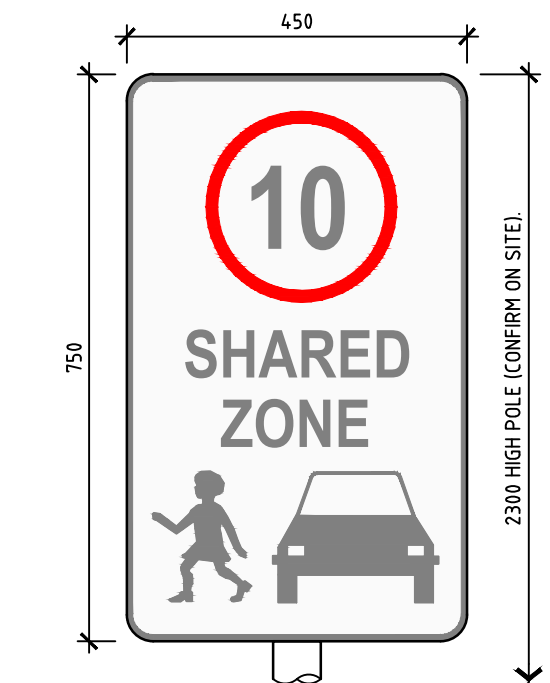
Revisions	General Notes	Drawing Notes
B DA ISSUE, SIGN S15 ADDED A DA ISSUE	Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.	
Issue Description	Date Chk Int	

North



Project: McDONALD'S WONGAWILLI
Location: 1 RAVEN STREET, WONGAWILLI, NSW 2530

DA ISSUE		
NOT FOR USE DURING CONSTRUCTION		
Scale	Series	
1:50 U.N.O.	BIOMOD_425	
Drawing		
SIGNAGE DETAILS		
Project Number	Drawing Number	Issue
180109	A806	B

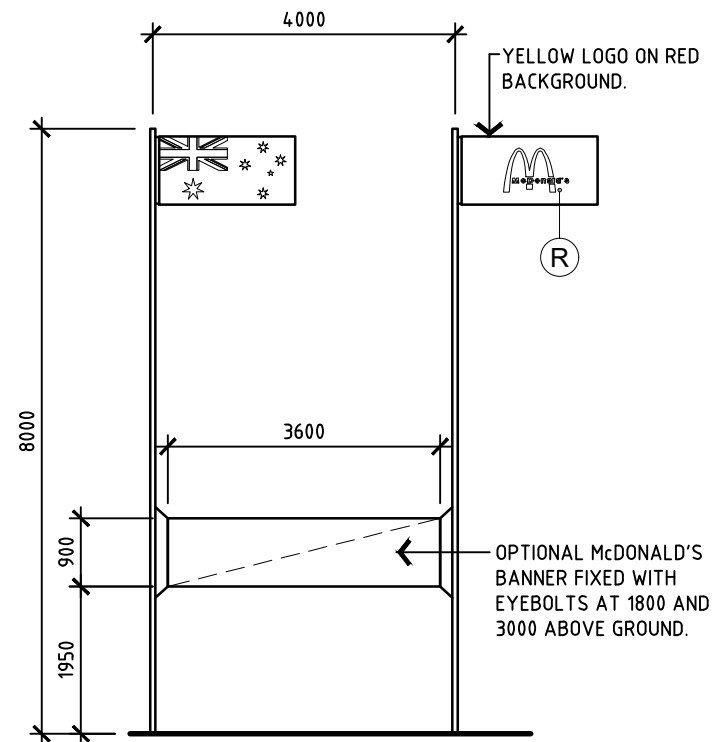


S9 CAR PARK SIGNAGE
A801 NON-ILLUMINATED ALUMINIUM REFLECTIVE SIGN ON GALVANISED STEEL POLE TYPICAL.

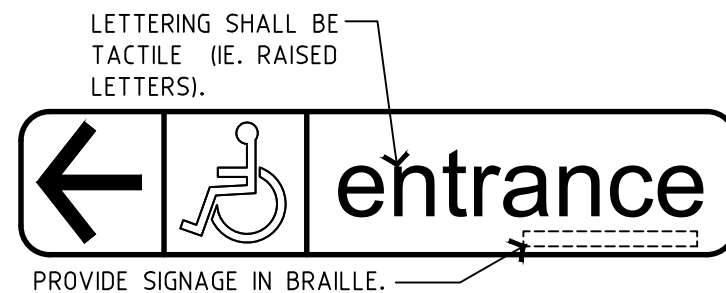


NOTE

WHERE SIGNS OR FLAGPOLES ARE LOCATED NEAR TO POWERLINES THEN REQUIRED CLEARANCES SHALL BE CONFIRMED WITH THE RELEVANT AUTHORITIES.



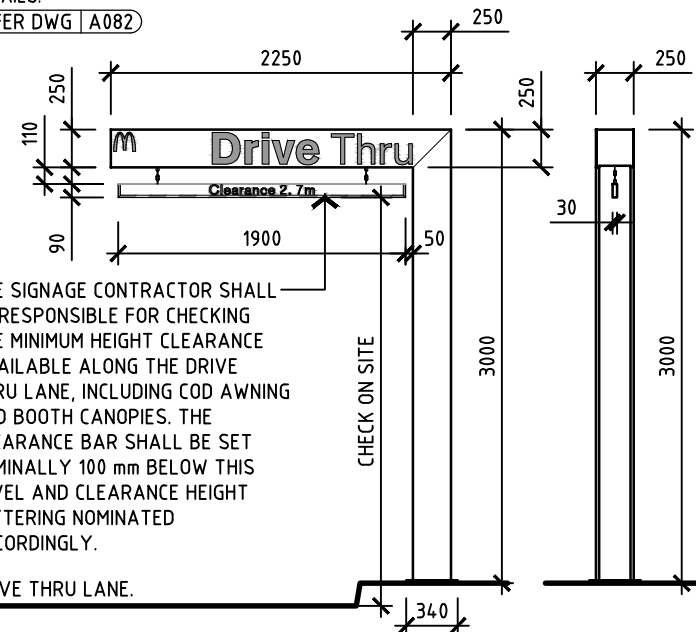
S12 FLAG POLES
A801 SCALE 1:100



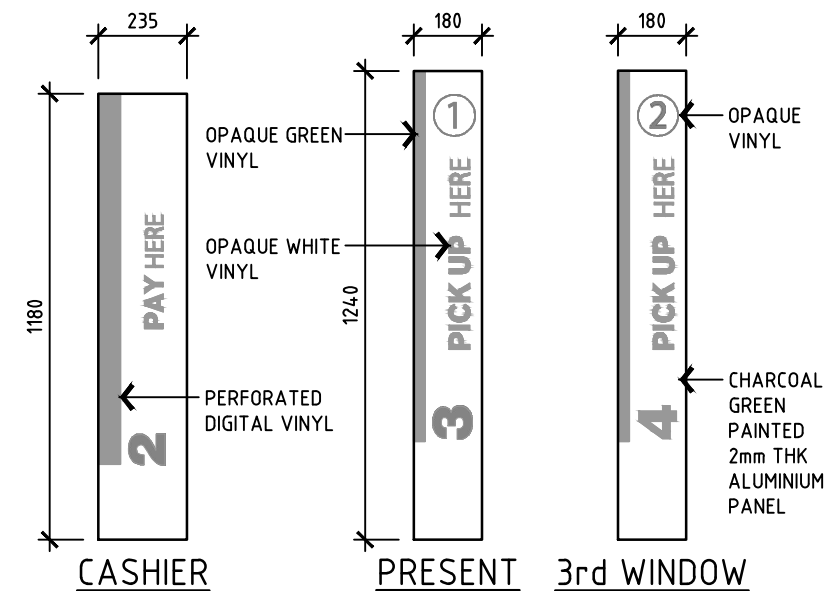
NOTES

1. DEPENDING ON LOCATION WITHIN SITE, S9 SIGNAGE SHOULD BE SET A MINIMUM OF 2m ABOVE TOP OF KERB TO PREVENT OBSTRUCTION TO OCCASIONAL PEDESTRIANS, OR TO REDUCE INTERFERENCE FROM PARKED VEHICLES. IF THIS DOESN'T APPLY, SIGNAGE HEIGHTS SHALL BE SET AS NOTED.

2. SIGN S10 IS DETAILED WITH THE COD UNIT DETAILS.
(REFER DWG | A082)



S6 HEIGHT CLEARANCE GANTRY
A801 SCALE 1:50



S11 WALL SIGN
A801 SCALE 1:20

REFERENCES

FOR CARPARK SIGNAGE
(REFER SPEC | 23.E.8)

Revisions	General Notes	Drawing Notes
C DA ISSUE	30.06.21 SH GM	
B DA ISSUE	31.05.21 SH GM	
A DA ISSUE	28-08-19 SH JK	
Issue Description	Date Chk Int	

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Consultants

Project
McDONALD'S WONGAWILLI
Location
1 RAVEN STREET
WONGAWILLI, NSW 2530

DA ISSUE
NOT FOR USE DURING CONSTRUCTION
Scale 1:10 U.N.O.
Series BIOMOD_425
Drawing SIGNAGE DETAILS
Project Number 180109
Drawing Number A807
Issue C

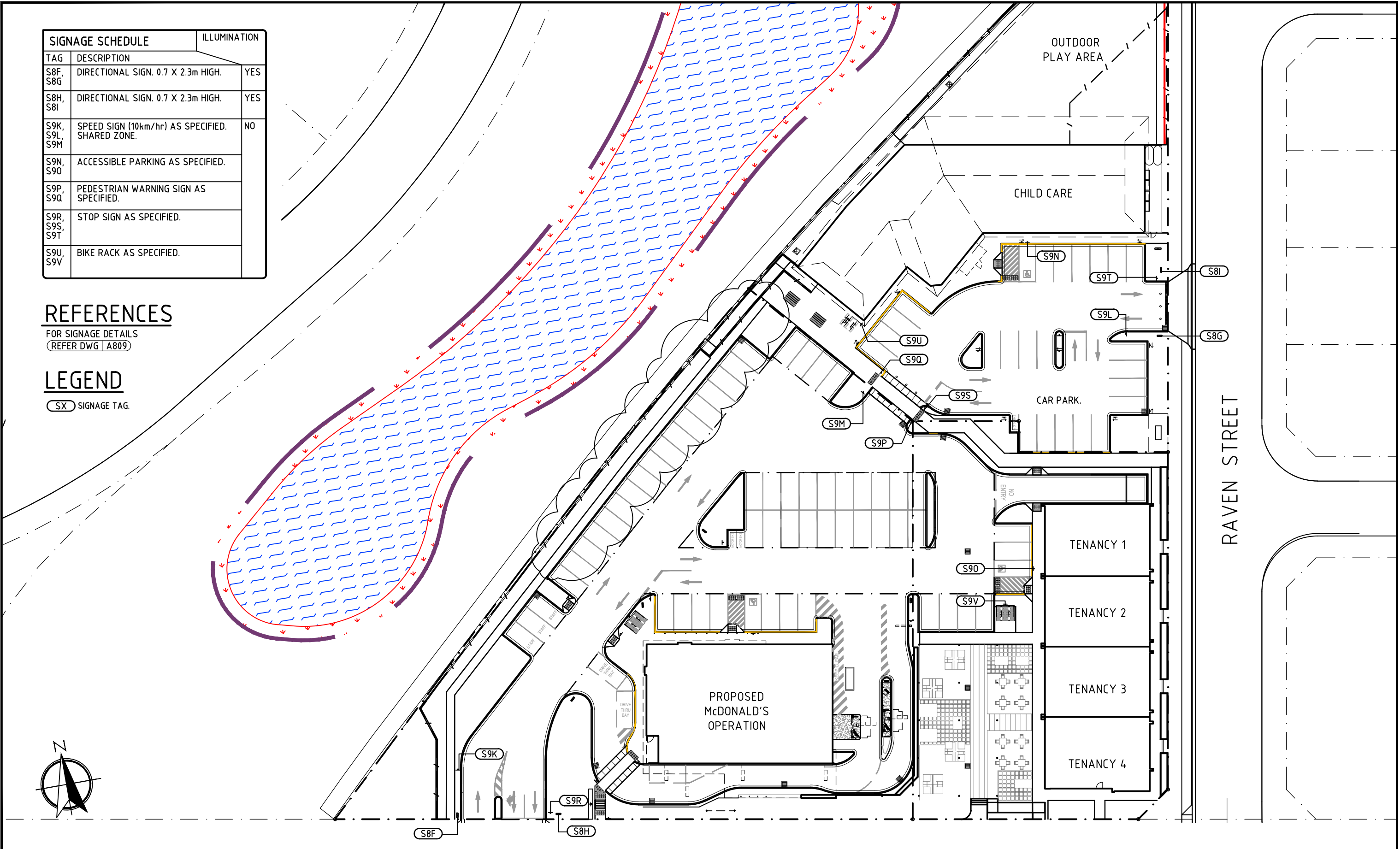
SIGNAGE SCHEDULE		ILLUMINATION
TAG	DESCRIPTION	
S8F, S8G	DIRECTIONAL SIGN. 0.7 X 2.3m HIGH.	YES
S8H, S8I	DIRECTIONAL SIGN. 0.7 X 2.3m HIGH.	YES
S9K, S9L, S9M	SPEED SIGN (10km/hr) AS SPECIFIED. SHARED ZONE.	NO
S9N, S9O	ACCESSIBLE PARKING AS SPECIFIED.	
S9P, S9Q	PEDESTRIAN WARNING SIGN AS SPECIFIED.	
S9R, S9S, S9T	STOP SIGN AS SPECIFIED.	
S9U, S9V	BIKE RACK AS SPECIFIED.	

REFERENCES

FOR SIGNAGE DETAILS
(REFER DWG | A809)

LEGEND

(SX) SIGNAGE TAG.



REV No.	COMMENTS	DATE	INIT.
B	DA ISSUE	01.11.19	JK
C	DA ISSUE	20.05.20	JK
D	DA ISSUE	14.09.20	JK
E	DA ISSUE, DRAWING REVISED	12.05.21	JK
F	DA ISSUE, DRAWING REVISED	25.06.21	JK
G	DA ISSUE, DRAWING REVISED	30.06.21	GM
H	DRAWING REVISED AS CLOUDED	21.07.21	SH
J	REVISED AS CLOUDED	26.07.21	SH

DA ISSUE

PROJECT:
PROPOSED DEVELOPMENT AT
1 RAVEN STREET
WONGAWILLI, NSW 2530

CLIENT:

Richmond+Ross PTY LIMITED
CONSULTING ENGINEERS AND PROJECT LEADERS
ABN 34 001 485 436

38 WILLOUGHBY ROAD,
CROWS NEST, NSW 2065
TEL : (02) 9490 9600
FAX : (02) 9438 1224

OVERALL SITE SIGNAGE
PLAN

DATE: **AUG 2019**

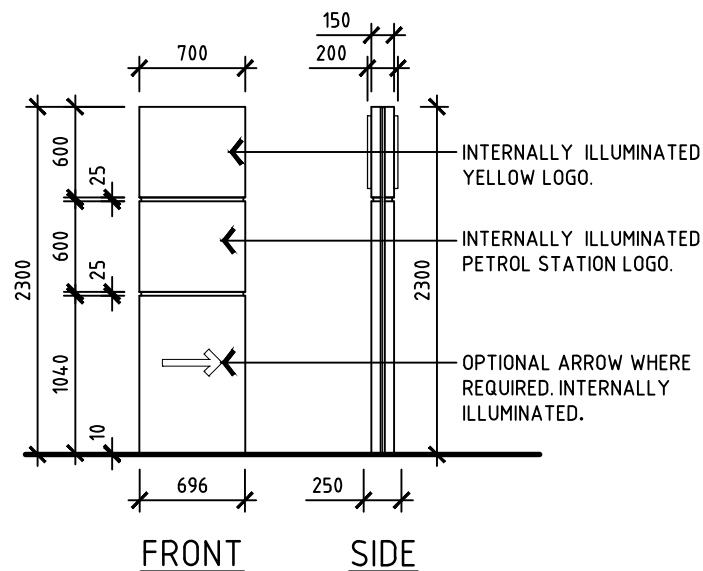
SCALE: 1:500 @ A3

JOB No. **180109**

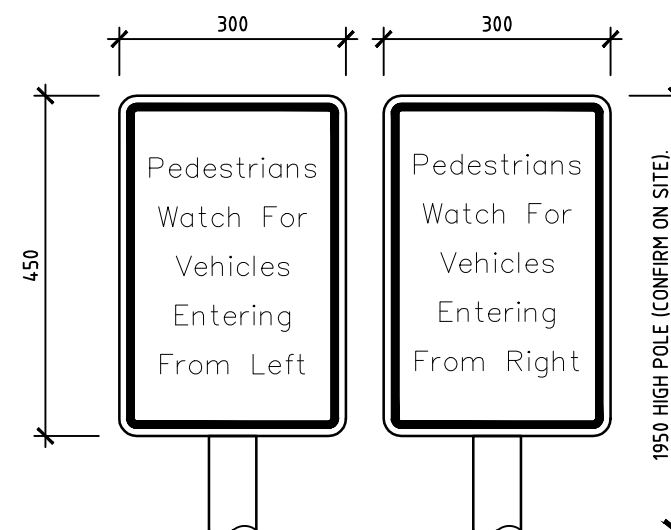
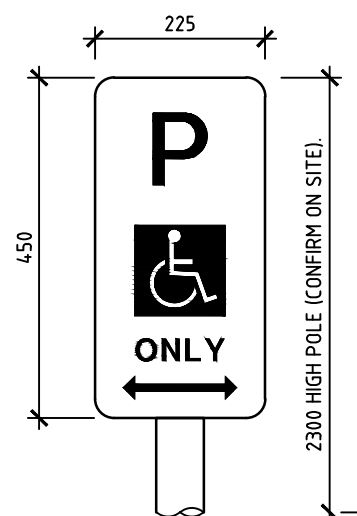
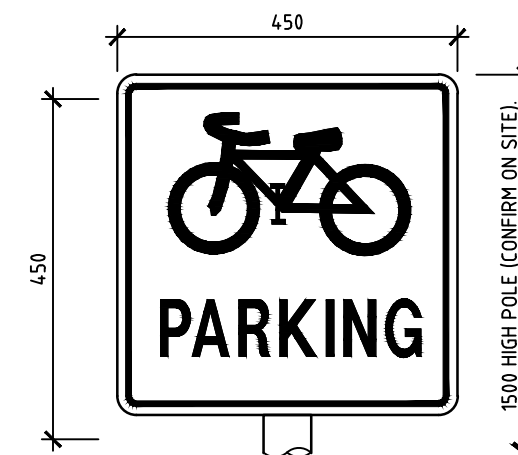
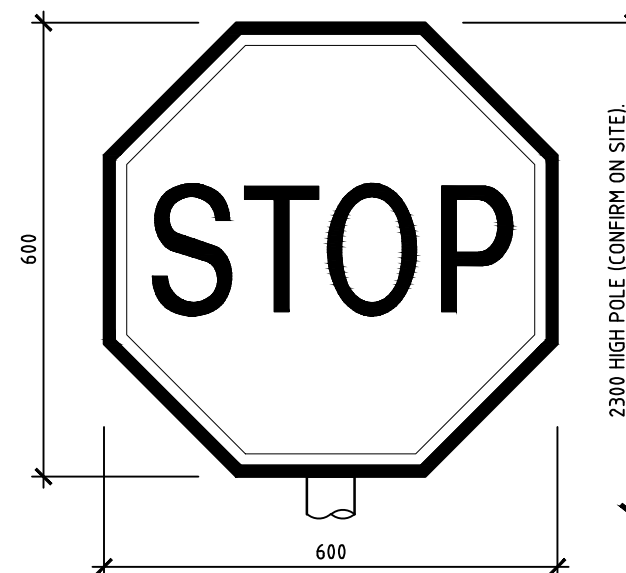
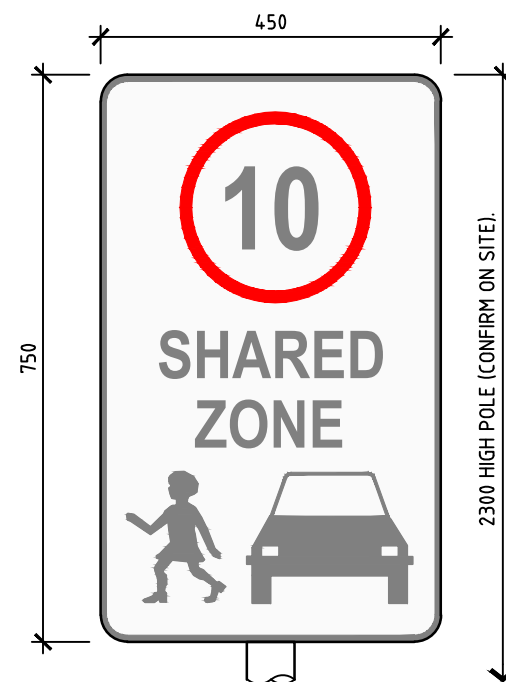
DRG.No.

A808

REV J



S8 DIRECTIONAL SIGN
A808



S9 CAR PARK SIGNAGE
A808 NON-ILLUMINATED ALUMINIUM REFLECTIVE SIGN ON GALVANISED STEEL POLE TYPICAL.

REV No.	COMMENTS	DATE	INIT.
A	DA ISSUE	31.10.19	JK
E	DA ISSUE, DRAWING REVISED	12.05.21	JK

DA ISSUE

PROJECT: PROPOSED DEVELOPMENT AT 1 RAVEN STREET WONGAWILLI, NSW 2530
CLIENT:

Richmond+Ross PTY LIMITED CONSULTING ENGINEERS AND PROJECT LEADERS ABN 34 001 485 436
38 WILLOUGHBY ROAD, CROWS NEST, NSW 2065 TEL : (02) 9490 9600 FAX : (02) 9438 1224

SITE SIGNAGE DETAILS	
DATE: AUG 2019	DRG.No.
SCALE: 1:50 @ A3	A809
JOB No. 180109	REV B



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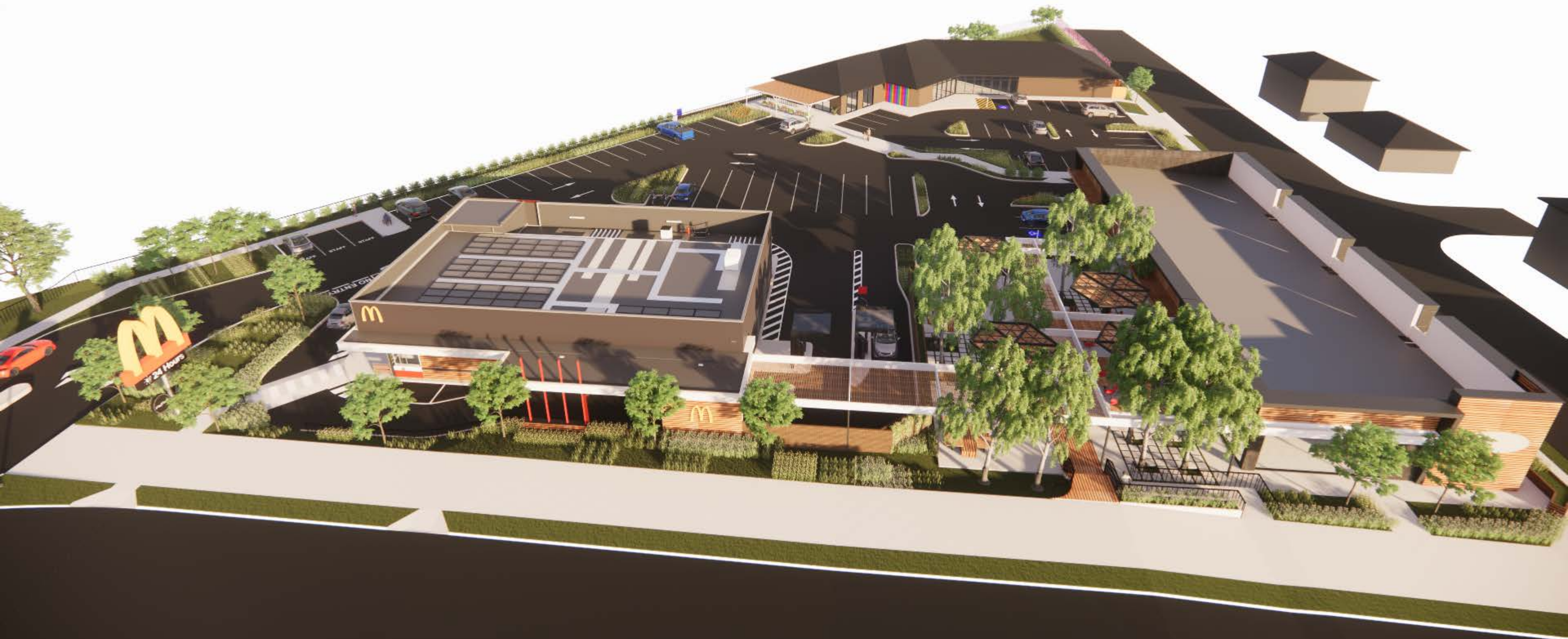












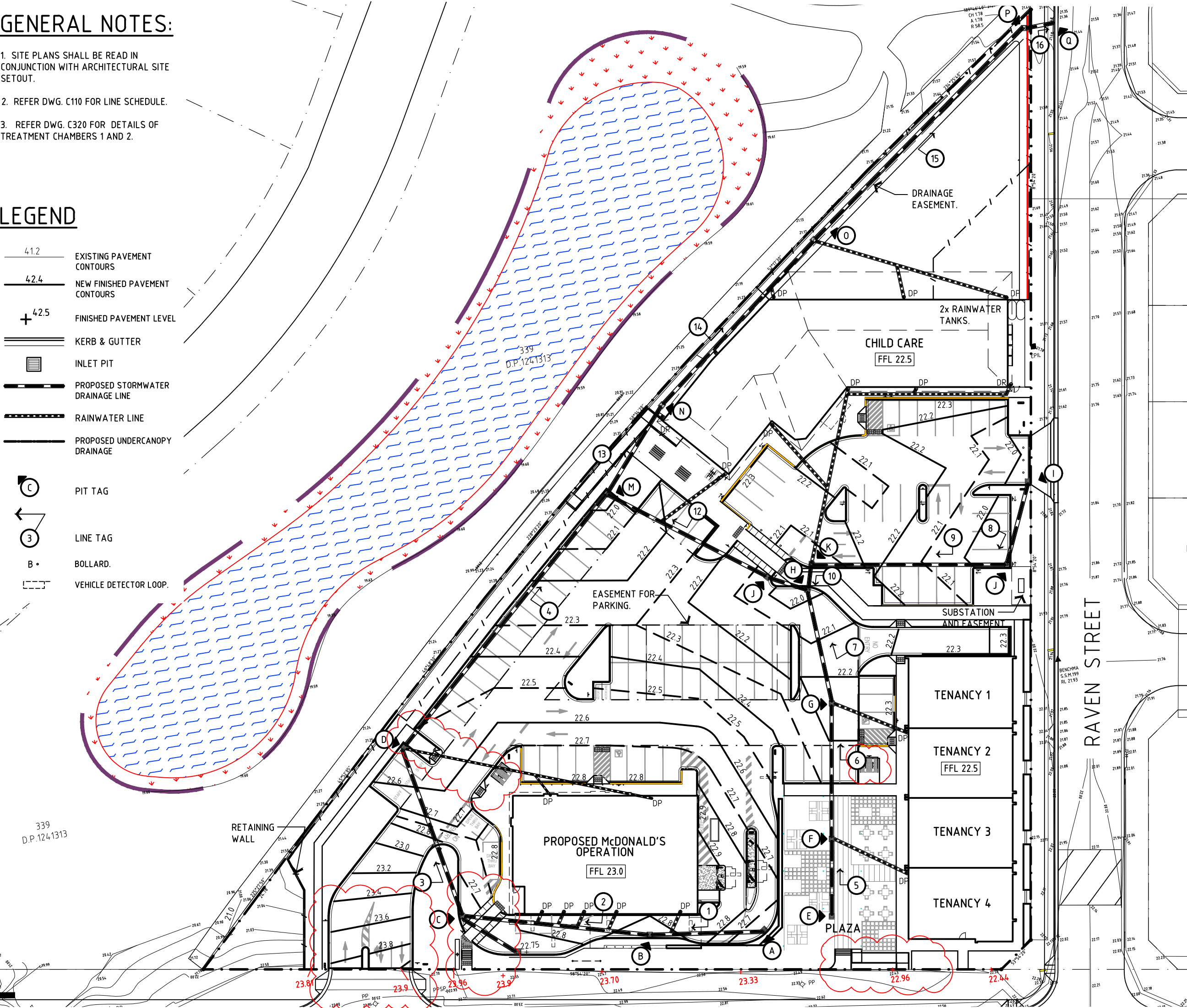


GENERAL NOTES:

- 1. SITE PLANS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL SITE SETOUT.
- 2. REFER DWG. C110 FOR LINE SCHEDULE.
- 3. REFER DWG. C320 FOR DETAILS OF TREATMENT CHAMBERS 1 AND 2.

LEGEND

- 41.2 EXISTING PAVEMENT CONTOURS
- 42.4 NEW FINISHED PAVEMENT CONTOURS
- + 42.5 FINISHED PAVEMENT LEVEL
- KERB & GUTTER
- INLET PIT
- PROPOSED STORMWATER DRAINAGE LINE
- RAINWATER LINE
- PROPOSED UNDERCANOPY DRAINAGE
- PIT TAG
- LINE TAG
- BOLLARD.
- VEHICLE DETECTOR LOOP.



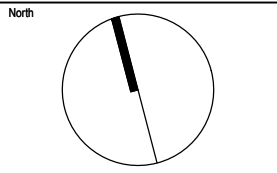
311
D.P.1241313

312
D.P.1241313

327
D.P.1241313

General Notes
Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.

Revisions				
K	DA ISSUE, DRAWING REVISED	21.07.21	PR	SH
J	DA ISSUE, DRAWING REVISED	30.06.21	PR	GM
I	DA ISSUE, DRAWING REVISED	25.06.21	PR	JK
H	DA ISSUE, LAYOUT REVISED	28-05-21	GM	JK
G	DA ISSUE, LAYOUT REVISED	12-05-21	PR	JK
F	DRAINAGE REVISED	07-05-21	PR	JK
D	DRAINAGE REVISED	15-10-20	PR	SH
C	DA ISSUE	15-09-20	PR	JK
Issue Description		Date	Chk	Int



Client
McDonald's Australia Limited
ABN 43 008 496 928
02 9875 6666
devgroup-aust@au.mod.com

Project Manager
NDGI
NATIONAL DEVELOPMENT GROUP

Architect
Richmond+Ross
CONSULTING ENGINEERS AND PROJECT LEADERS
38 Willoughby Road, Crows Nest NSW 2055
TEL: (02) 9490 9600 FAX: (02) 94381224
Consultants

Project
McDONALD'S WONGAWILLI

Location
1 RAVEN STREET
WONGAWILLI - NSW 2530

DA ISSUE
NOT FOR USE DURING CONSTRUCTION

Scale	Series	
1:500	BIOMOD_425	
Drawing		
OVERALL DRAINAGE PLAN		
Project Number	Drawing Number	Issue
180109	C101	J

STORMWATER RUNOFF CALCULATIONS

LINE	CATCHMENT AREA (SQM) (OVERLAND FLOWS)			FLOW INTO LINE FROM CATCHMENT (L/S)			LINE FLOW (L/S)	MINIMUM PIPE REQUIREMENT		
	ROOF	PAVE'T	L'SCAPE	ROOF C=1.0	PAVE'T C=0.95	L'SCAPE C=0.65		SIZE (MM)	GRADE (V:H)	CAPACITY (L/S)
1	75	70	30	4.5	2.0	1.2	7.7	150	1:120	23
2	250	50	20	14.8	2.8	0.8	26.1	225	1:200	46
3	-	100	100	-	5.6	4.0	35.7	225	1:200	46
4	100	450	100	5.9	25.4	4.0	71	300	1:250	90
5	-	150	20	-	8.5	0.8	9.3	150	1:120	23
6	250	150	20	14.8	8.5	0.8	33.4	225	1:200	46
7	250	350	-	14.8	19.7	-	67.9	300	1:250	90
8	-	350	20	-	19.7	0.8	20.5	225	1:200	46
9	-	350	40	-	19.7	1.6	41.8	225	1:200	46
10	300	250	30	17.8	14.1	0.8	74.5	300	1:250	90
11	-	200	-	-	11.3	-	153.7	375	1:140	160
12	-	750	20	-	42.3	0.8	196.8	375	1:100	200
13	70	900	40	4.2	50.7	1.6	324.3	450	1:300	350
14	100	-	40	5.9	-	1.6	331.8	450	1:300	350
15	250	-	40	14.8	-	1.6	348.2	450	1:300	350
16										

PIT SCHEDULE

TAG	TYPE	SIZE	RL TOP (mAHD)	IL (mAHD)	COVER	NOTES
A	INLET	600x600	22.65	22.0	HEAVY DUTY GRATE	
B	INLET	600x600	22.70	21.90	HEAVY DUTY GRATE	
C	INLET	600x600	22.65	21.86	HEAVY DUTY GRATE	
D	INLET	600x600	22.50	21.65	HEAVY DUTY GRATE	
E	INLET	600x600	22.20	21.55	HEAVY DUTY GRATE	
F	INLET	600x600	22.20	21.45	HEAVY DUTY GRATE	
G	INLET	600x600	22.10	21.30	HEAVY DUTY GRATE	
H	INLET	600x900	21.95	20.90	HEAVY DUTY GRATE	
I	INLET	600x600	21.95	21.10	HEAVY DUTY GRATE	
J	INLET	600x600	21.90	21.10	HEAVY DUTY GRATE	
K	INLET	600x900	22.0	20.94	HEAVY DUTY GRATE	
L	INLET	900x900	22.05	20.85	HEAVY DUTY GRATE	
M	INLET	900x900	22.0	20.6	HEAVY DUTY GRATE	
N	JUNCTION	900x900	22.30	20.45	CONCRETE LID	
O	JUNCTION	900x900	22.0	20.30	CONCRETE LID	
P	JUNCTION	900x900	21.50	19.10		EXISTING
Q	JUNCTION					EXISTING COUNCIL SW PIT

STORMWATER RUNOFF CALCULATIONS

USING FORMULA $Q = 0.00028 CAI$
WHERE Q = DISCHARGE IN LITRES PER SECOND
 C = A RUNOFF COEFFICIENT (SEE TABLE)
 A = CATCHMENT AREA IN SQ.M.
 I = RAINFALL INTENSITY IN MILLIMETRES PER HOUR
 I_{50} = 212 MM/HR FOR 20 YEAR RETURN PERIOD 5 MINUTE DURATION STORM

NOTE:

1. IL OF STREET CONNECTION PIT DOWNSTREAM OF LINE 16 IS RL. 18.96.

LINE SCHEDULE

TAG	UPSTREAM INVERT (mAHD)	SIZE Ø (mm)	MATERIAL	LENGTH (M)	GRADE (ACTUAL)	DOWN- STREAM INVERT (mAHD)	NOTES
1	22.0	225	UPVC	15	1:120	21.91	
2	21.90	225	UPVC	26	1:200	21.86	
3	21.85	225	UPVC	25	1:200	21.72	
4	21.70	300	UPVC	47	1:250	21.11	
5	21.55	150	UPVC	10	1:120	21.46	
6	21.45	225	UPVC	20	1:200	21.35	
7	21.30	300	UPVC	19	1:250	21.21	
8	21.25	225	UPVC	11	1:200	21.11	
9	21.10	225	UPVC	30	1:200	20.95	
10	20.94	300	UPVC	2	1:250	20.91	
11	20.90	375	RRJ RCP	3	1:140	20.86	
12	20.85	375	RRJ RCP	26	1:100	20.61	
13	20.60	450	RRJ RCP	32	1:300	20.46	
14	20.45	450	RRJ RCP	42	1:300	20.31	
15	20.30	450	RRJ RCP	42	1:300	20.16	
16	20.15	450	RRJ RCP	4		20.10	

Revisions				General Notes				Drawing Notes			
				Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.							
C	DRAWING REVISED	30.06.21	SH GM								
B	DRAWING REVISED	12.05.21	SH JK								
A	DA ISSUE	06.11.19	SH JK								
Issue Description		Date	Chk Int								

North	Client		Architect		Project		Scale		Series		
	McDonald's Australia Limited ABN 43 008 498 528 ☎ 02 9875 6666 ✉ devgroup-aust@au.mcd.com		ABN 34 001 485 436 Richmond+Ross CONSULTING ENGINEERS AND PROJECT LEADERS 38 Willoughby Road Crows Nest NSW 2065 TEL: (02) 9490 9600 FAX: (02) 94381224		McDONALD'S WONGAWILLI		N/A		BIOMOD_425		
	Project Manager		Consultants		Location		Drawing		NOTES AND SCHEDULES		
	NBDG NATIONAL DEVELOPMENT GROUP				1 RAVEN STREET WONGAWILLI, NSW 2530		Project Number		Drawing Number		
							180109		C110		
								Issue		C	

E & S CONTROL NOTES:

1. BUILDER IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES. ALL MEASURES SHALL BE INSPECTED EACH WORKING DAY AND MAINTAINED AS REQUIRED. BUILDER SHALL UPDATE THE CONCEPTUAL E&S PLAN TO REFLECT THEIR STAGING AND REQUIREMENTS.

2. BUILDER SHALL PROVIDE SEDIMENT FENCING MATERIAL DURING CONSTRUCTION TO THE LOW SIDE BOUNDARIES. TIE SEDIMENT FENCING MATERIAL TO CYCLONE WIRE SECURITY FENCE. SEDIMENT CONTROL FABRIC SHALL BE AN APPROVED MATERIAL (EG. HUMES PROPEX SILT STOP) STANDING 300 ABOVE GROUND AND EXTENDING 150 BELOW GROUND.

3. EXISTING AND NEW DRAINS LOCATED WITHIN THE SITE SHALL TO HAVE DROP INLET GRATE WRAPPED IN APPROPRIATE GEOTEXTILE FABRIC AND PLACED INTO POSITION WITHIN CONCRETE SURROUND.

4. NO PARKING OR STOCKPILING OF MATERIALS IS PERMITTED ON THE LOWER SIDE OF THE SEDIMENT FENCE.

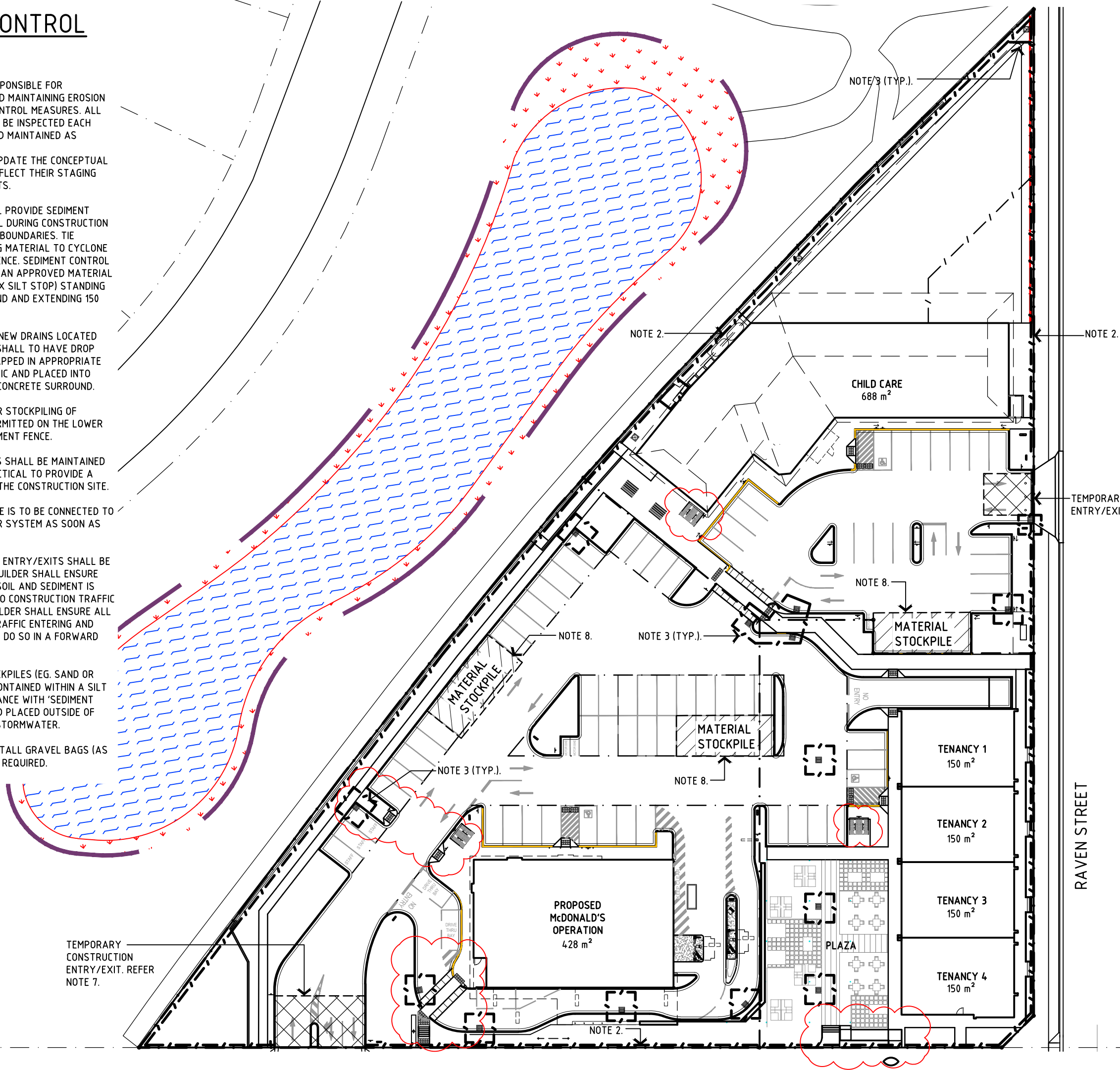
5. GRASS VERGES SHALL BE MAINTAINED AS MUCH AS PRACTICAL TO PROVIDE A BUFFER ZONE TO THE CONSTRUCTION SITE.

6. ROOF DRAINAGE IS TO BE CONNECTED TO THE STORMWATER SYSTEM AS SOON AS PRACTICAL.

7. CONSTRUCTION ENTRY/EXITS SHALL BE AS PER DETAIL. BUILDER SHALL ENSURE ALL DROPPABLE SOIL AND SEDIMENT IS REMOVED PRIOR TO CONSTRUCTION TRAFFIC EXITING SITE. BUILDER SHALL ENSURE ALL CONSTRUCTION TRAFFIC ENTERING AND LEAVING THE SITE DO SO IN A FORWARD DIRECTION.

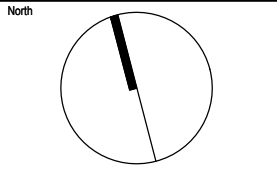
8. MATERIAL STOCKPILES (EG. SAND OR SOIL) SHALL BE CONTAINED WITHIN A SILT FENCE IN ACCORDANCE WITH 'SEDIMENT FENCE DETAIL' AND PLACED OUTSIDE OF FLOW PATHS OF STORMWATER.

9. BUILDER TO INSTALL GRAVEL BAGS (AS DETAILED) WHERE REQUIRED.



General Notes
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Revisions				
F	DA ISSUE, DRAWING REVISED	30.06.21	PR	GM
E	DA ISSUE, DRAWING REVISED	25.06.21	PR	JK
D	DA ISSUE, DRAWING REVISED	28.05.21	PR	GM
C	DA ISSUE, DRAWING REVISED	12.05.21	PR	JK
B	DA ISSUE	15-09-20	PR	JK
A	DA ISSUE	06-11-19	SH	JK
Issue Description		Date	Chk	Int



Client
McDonald's Australia Limited
ABN. 43 008 496 928
02 9875 6666
devgroup-aust@au.mcd.com

Project Manager
NDG
NATIONAL DEVELOPMENT GROUP

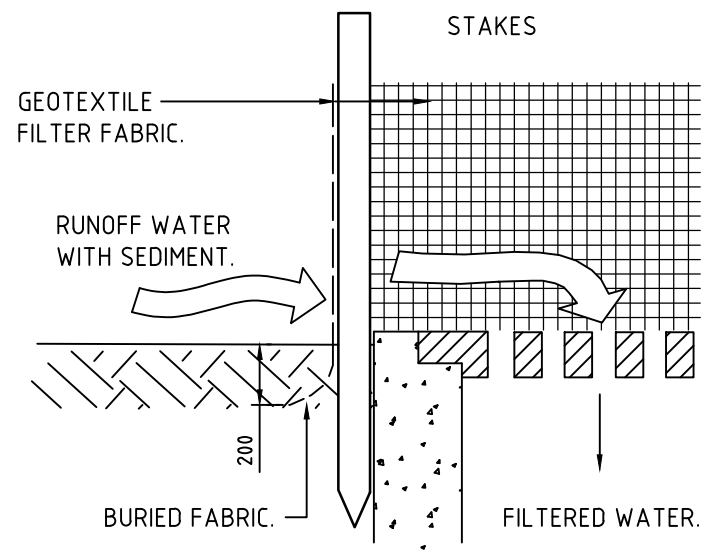
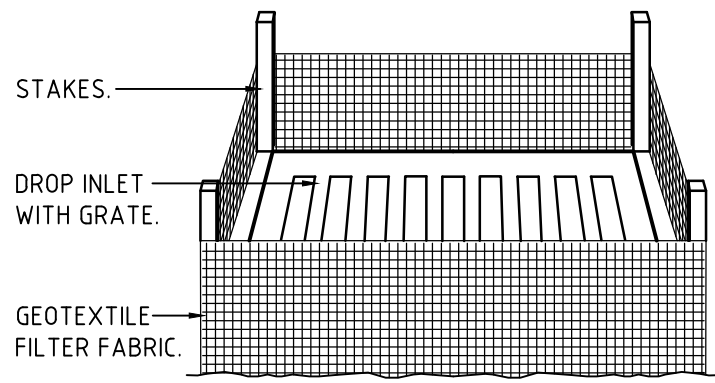
Architect
Richmond+Ross
CONSULTING ENGINEERS AND PROJECT LEADERS
38 Willoughby Road Crows Nest NSW 2065
TEL: (02) 9490 9600 FAX: (02) 94381224
Consultants

Project
McDONALD'S WONGAWILLI

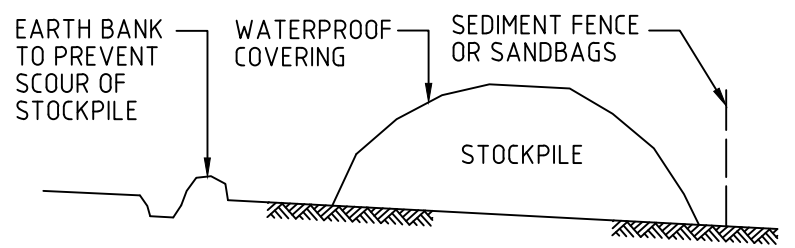
Location
1 RAVEN STREET
WONGAWILLI - NSW 2530

DA ISSUE
NOT FOR USE DURING CONSTRUCTION

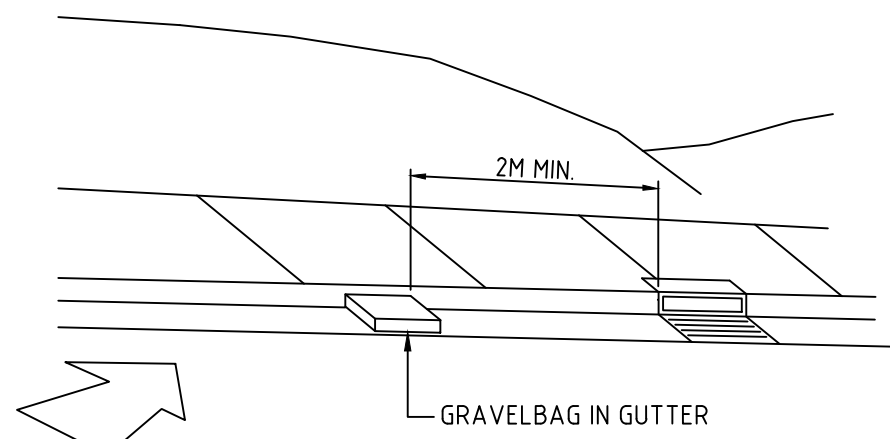
Scale	Series	
1:500	BIOMOD_425	
Drawing		
CONCEPT E & S C PLAN		
Project Number	Drawing Number	Issue
180109	C301	F



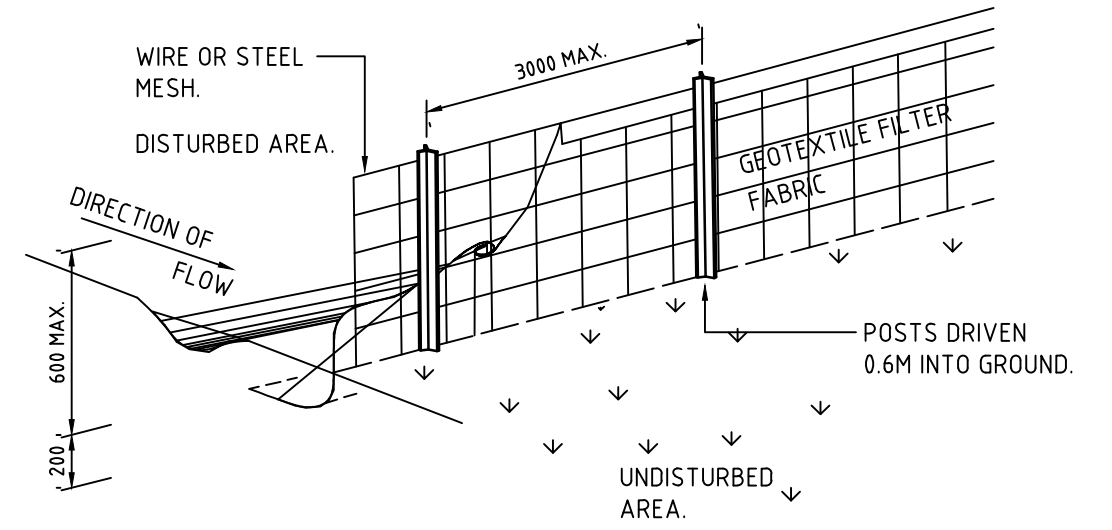
SEDIMENT TRAP TO STORMWATER SUMP



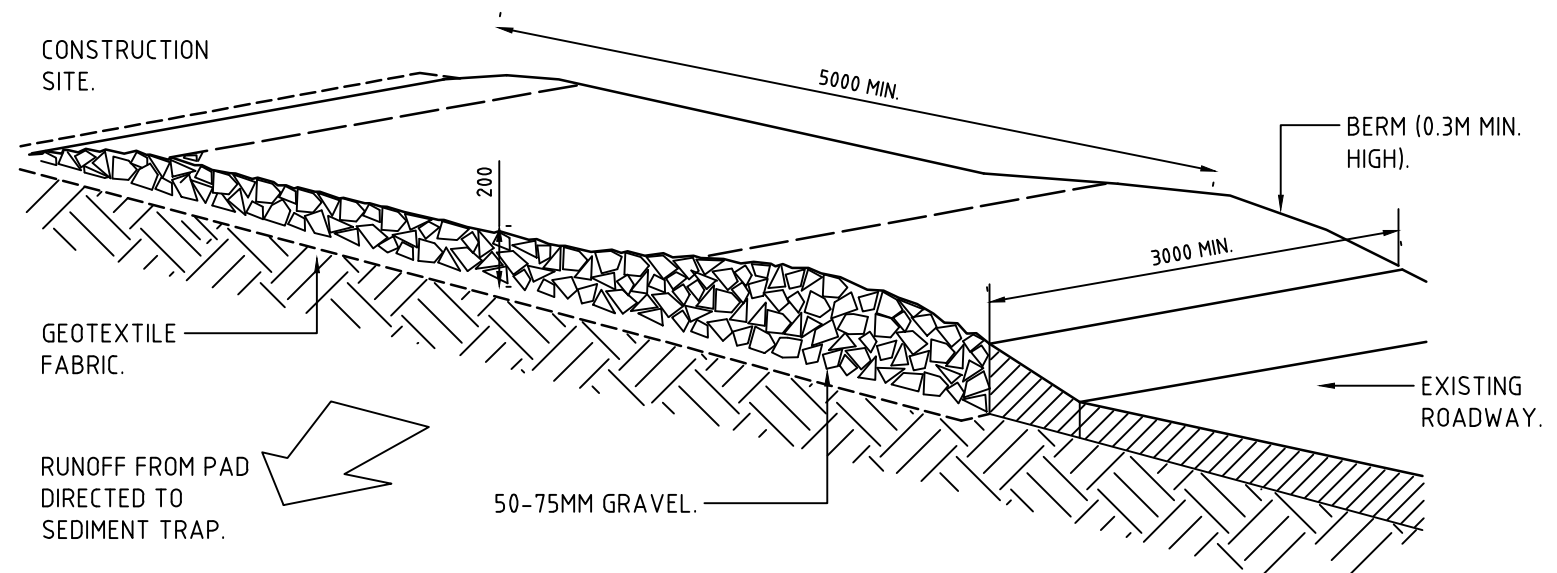
BUILDING MATERIAL STOCKPILES



GRAVELBAG KERB SEDIMENT TRAP



SEDIMENT FENCE



TEMPORARY CONSTRUCTION EXIT

Revisions	General Notes	Drawing Notes
A DA ISSUE	Do not scale this drawing. The drawing shows design intent only. All dimensions to be checked on site prior to construction or production. Construction details to be confirmed by contractor/manufacturer. This is a computer generated drawing. Do not amend by hand. Figure dimensions are to be used. Contact architect for clarification if dimensions are not clear. All dimensions are in millimeters. All discrepancies and omissions on site must be reported to the architect for their comments or approval prior to commencing work.	
Issue Description	06-11-19 SH JK Date Chk Int	

North	Client McDonald's Australia Limited ABN 43 008 496 528 02 9875 6666 devgroup-aust@au.mcd.com	Architect Richmond+Ross CONSULTING ENGINEERS AND PROJECT LEADERS 38 Willoughby Road Crows Nest NSW 2065 TEL: (02) 9490 9600 FAX: (02) 94361224 Consultants	Project McDONALD'S WONGAWILLI Location 1 RAVEN STREET WONGAWILLI, NSW 2530	DA ISSUE NOT FOR USE DURING CONSTRUCTION
	Project Manager NDBG NATIONAL DEVELOPMENT GROUP			Scale N/A
				Series BIOMOD_425
				Drawing EROSION & SEDIM. CONTROL DETAILS
				Project Number 180109
				Drawing Number C310
				Issue A

McDonald's Wongawilli

West Dapto Road, Wongawilli NSW 2530

Development Application

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The contractor shall check and verify all work on site (including work by others) before commencing the landscape installation. Any discrepancies are to be reported to the Project Manager or Landscape Architect prior to commencing work. Do not scale this drawing. Any required dimensions not shown shall be referred to the Landscape Architect for confirmation.

L	ARCHITECTURAL COORDINATION	JW	NM	26.07.2021
K	ARCHITECTURAL COORDINATION	JW	NM	23.07.2021
J	ARCHITECTURAL COORDINATION	KP	NM	13.05.2021
I	ARCHITECTURAL COORDINATION	KP	NM	04.05.2021
H	ARCHITECTURAL COORDINATION	JM	NM	09.02.2021
G	ARCHITECTURAL COORDINATION	JM	NM	11.12.2020
F	ARCHITECTURAL COORDINATION	SM	NM	15.10.2020
E	PLAYGROUND COORDINATION	SM	NM	21.05.2020
D	ARCHITECTURAL COORDINATION	SM	NM	20.05.2020
C	ARCHITECTURAL COORDINATION	SM	NM	04.11.2019
B	UPDATED FOR COMMENT	MW	NM	12.09.2019
A	FOR COMMENT	MW	NM	28.08.2019
Issue	Revision Description	Drawn	Check	Date

Drawing Schedule

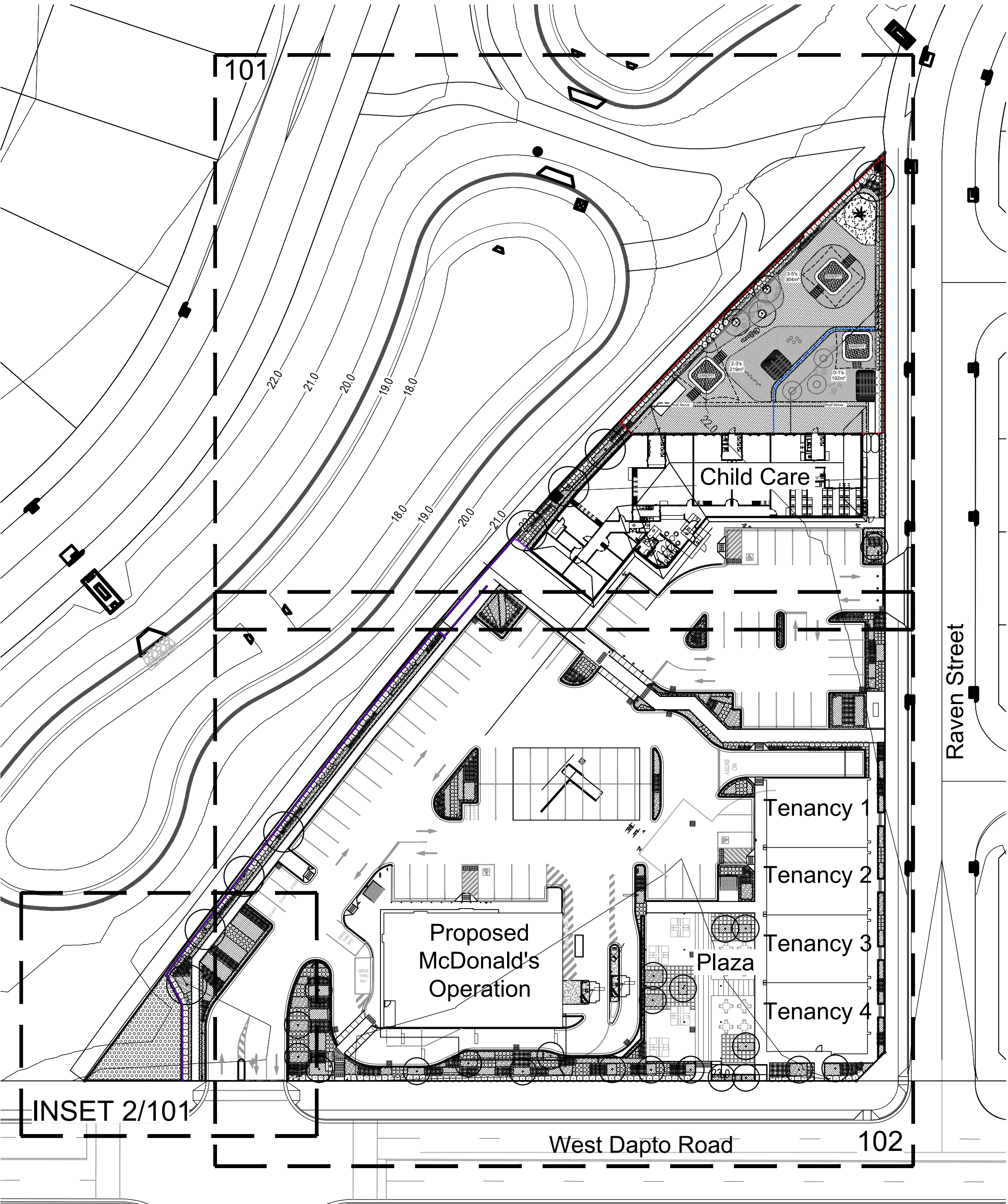
Drawing Number	Drawing Title	Scale
000	Landscape Coversheet	N/A
101	Landscape Plan 1	1:150
102	Landscape Plan 2	1:150
501	Landscape Specification & Details	As Shown

PLANT SCHEDULE

Symbol	Botanic Name	Common Name	Mature H x W (m)	Pot Size	Spacing	Quantity
TREES						
Ac	<i>Angophora costata</i>	Smooth Barked Apple	20 x 8	100L	As shown	4
Cm	<i>Corymbia maculata</i>	Spotted Gum	30 x 12	100L	As shown	3
FR	<i>Fraxinus 'Raywood'</i>	Claret Ash	15 x 7	100L	As shown	11
TL	<i>Tristaniopsis 'Luscious'</i>	Water Gum	9 x 7	100L	As shown	11
SHRUBS AND ACCENTS						
CR	<i>Cordylina fruticosa 'Rubra'</i>	Cordylina	1 x 0.6	300mm	As shown	213
De	<i>Doryanthes excelsa</i>	Gynea Lily	3 x 2	500mm	As shown	94
PBB	<i>Phormium 'Bronze Baby'</i>	Bronze NZ Flax	0.7 x 0.7	300mm	As shown	330
RAB	<i>Rhaphiolepis 'Apple Blossom'</i>	Apple Blossom	0.8 x 0.7	300mm	As shown	171
ROP	<i>Rhaphiolepis 'Oriental Pearl'</i>	Oriental Pearl	1 x 1	300mm	As shown	224
SC	<i>Syzygium 'Cascade'</i>	Cascade' Lilly Pilly	3 x 2	300mm	As shown	179
Wf	<i>Westringia fruticosa 'Zena'</i>	Coastal Rosemary	2 x 2	300mm	As shown	89
GROUNDCOVERS AND GRASSES						
Ad	<i>Alternanthera dentata 'Little Ruby'</i>	Ruby Leaf Alternanthera	0.45 x spreading	TJ	5/m2	167
Cg	<i>Carpobrotus glaucascens</i>	Pig Face	0.2 x 1.0	200mm	5/m2	167
DLJ	<i>Dianella 'Little Jess'</i>	Little Jess Flax Lily	0.6 x 0.6	150mm	5/m2	262
LEG	<i>Liriope muscari 'Evergreen Giant'</i>	Lily Turf	0.6 x 0.5	200mm	5/m2	176
LT	<i>Lomandra longifolia 'Tanika'</i>	Tanika Mat Rush	0.6 x 0.65	200mm	5/m2	275
Mp	<i>Myoporum parvifolium</i>	Myoporum	0.1 x 1	200mm	5/m2	105
PK	<i>Poa labillardieri 'Kingsdale'</i>	Blue Tussock Grass	0.5 x 0.5	150mm	5/m2	411
Tj	<i>Trachelospermum jasminoides</i>	Star Jasmine	0.2 x 0.5	150mm	5/m2	884

CHILDCARE PLANT SCHEDULE

Symbol	Botanic Name	Common Name	Mature H x W	Pot Size	Spacing	CR Quantity
TREES						
Ca	<i>Cupaniopsis anacardioides</i>	Tuckeroo	10 x 5	100L	As shown	1
Cl	<i>Citrus limon</i>	Lemondae		75L	As shown	1
Cri	<i>Citrus reticulata 'Imperial'</i>	Imperial Mandarin		75L	As shown	1
Cs	<i>Citrus sinensis</i>	Navel Orange		75L	As shown	1
SHRUBS AND ACCENTS						
MCT	<i>Melaleuca 'Claret Tops'</i>	Claret Top	1 x 1	300mm	As shown	32
SC	<i>Syzygium 'Cascade'</i>	Cascade' Lilly Pilly	3 x 2	300mm	As shown	107
Sr	<i>Salvia rosmarinus</i>	Rosemary	0.5 x 0.5	300mm	As shown	25
GROUNDCOVERS AND GRASSES						
LT	<i>Lomandra longifolia 'Tanika'</i>	Tanika Mat Rush	0.6 x 0.65	200mm	5/m2	104
Tj	<i>Trachelospermum jasminoides</i>	Star Jasmine	0.2 x 0.5	150mm	5/m2	26



Client:
McDonald's Australia Limited

Project:
McDonald's Wongawilli
West Dapto Road,
Wongawilli NSW

Level 1, 3-5 Baptist Street
Redfern NSW 2016
Australia
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SITE IMAGE



DEVELOPMENT APPLICATION

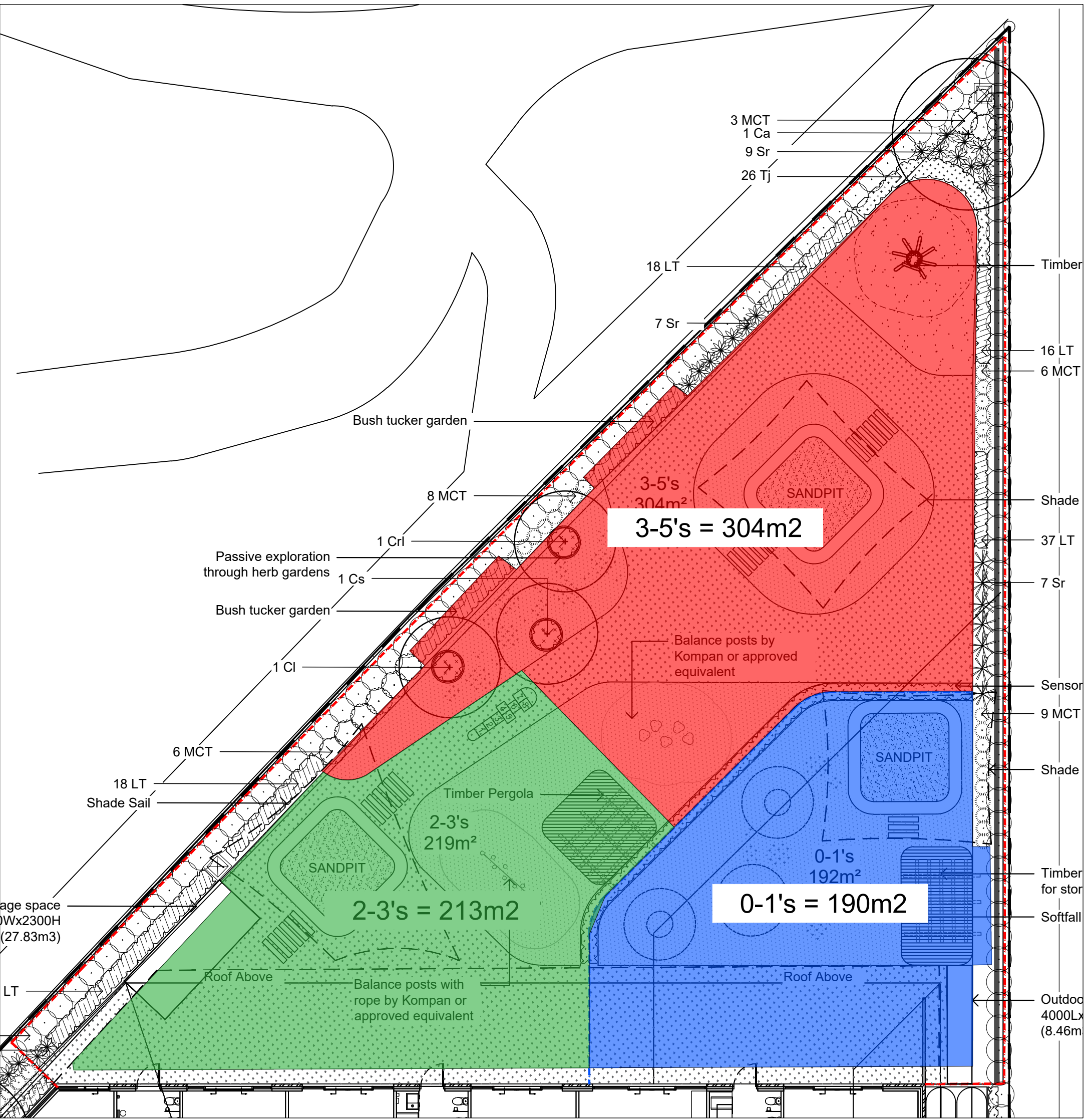
Drawing Name:
Landscape Coversheet

Scale:
Job Number: Drawing Number: Issue:

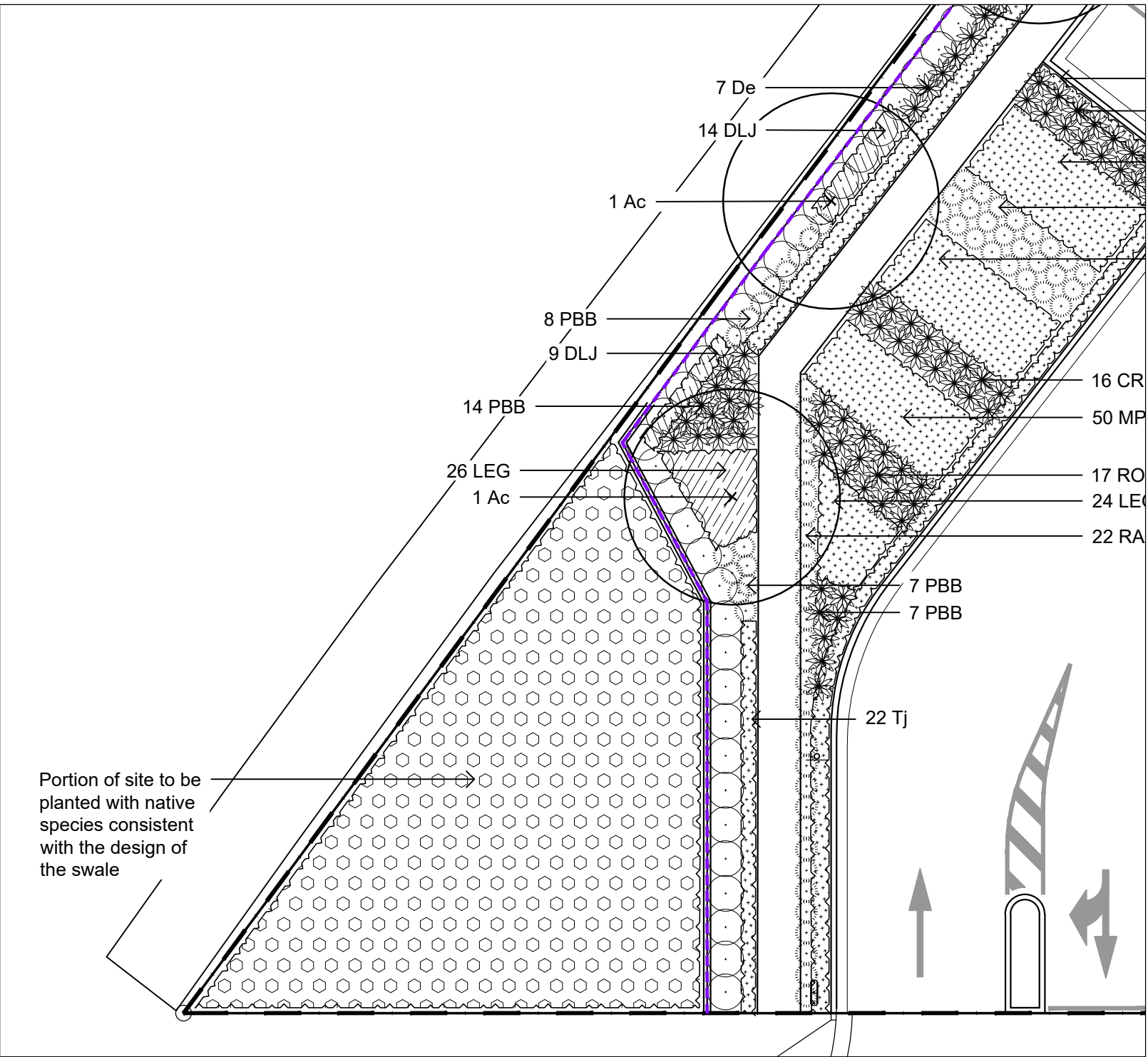
SS19-4208

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NOT FOR CONSTRUCTION



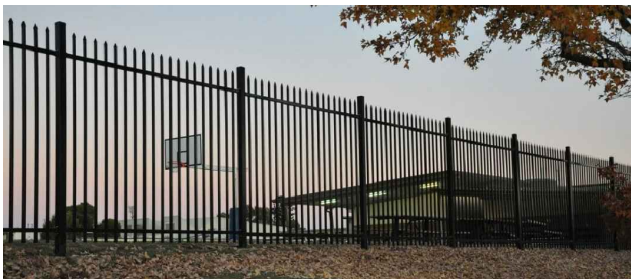
01 Childcare Areas
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REQUIRED OUTDOOR PLAY AREA = 700 M2
PROPOSED OUTDOOR PLAY AREA = 707 M2



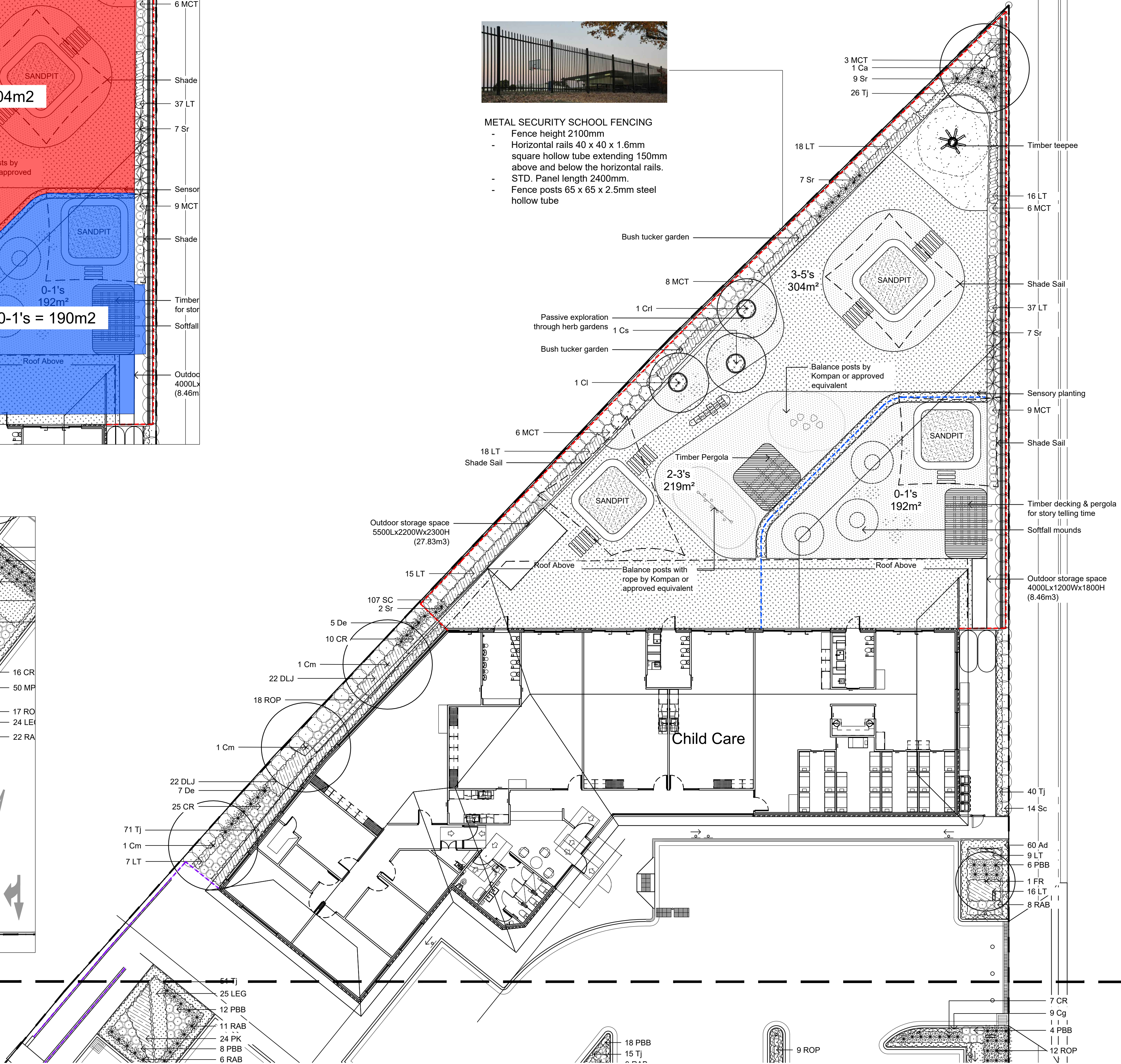
02 Inset 1
1:150 @ A1

NOT FOR CONSTRUCTION

REFER 102



METAL SECURITY SCHOOL FENCING
- Fence height 2100mm
- Horizontal rails 40 x 40 x 1.6mm square hollow tube extending 150mm above and below the horizontal rails.
- STD. Panel length 2400mm.
- Fence posts 65 x 65 x 2.5mm steel hollow tube



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The contractor shall check and verify all work on site (including work by others) before commencing the landscape installation. Any discrepancies are to be reported to the Project Manager or Landscape Architect prior to commencing work. Do not scale this drawing. Any required dimensions not shown shall be referred to the Landscape Architect for confirmation.

L	ARCHITECTURAL COORDINATION	JW	NM	26.07.2021
K	ARCHITECTURAL COORDINATION	JW	NM	23.07.2021
J	ARCHITECTURAL COORDINATION	KP	NM	13.05.2021
I	ARCHITECTURAL COORDINATION	KP	NM	04.05.2021
H	ARCHITECTURAL COORDINATION	JM	NM	09.02.2021
G	ARCHITECTURAL COORDINATION	JM	NM	11.12.2020
F	ARCHITECTURAL COORDINATION	SM	NM	15.10.2020
E	PLAYGROUND COORDINATION	SM	NM	21.05.2020
D	ARCHITECTURAL COORDINATION	SM	NM	20.05.2020
C	ARCHITECTURAL COORDINATION	SM	NM	04.11.2019
B	FOR COORDINATION	SM	NM	28.10.2019
A	FOR COMMENT	MW	NM	12.09.2019
Issue	Revision Description	Drawn	Check	Date

---	Scope of Works
+	Proposed Tree (Refer plant schedule & Detail)
✱	Shrubs & Accents (Refer plant schedule & Detail)
■	Grasses & Groundcovers (Refer plant schedule)
■	Turf (Refer Detail)
---	Metal Security Fencing
---	Childcare Diving Fence
---	1200 High Palisade Fence
---	Shade Sail
■	Rubber Softfall
■	Timber Deck
---	Steel Edging (Refer Detail)

Client:
McDonald's Australia Limited

Project:
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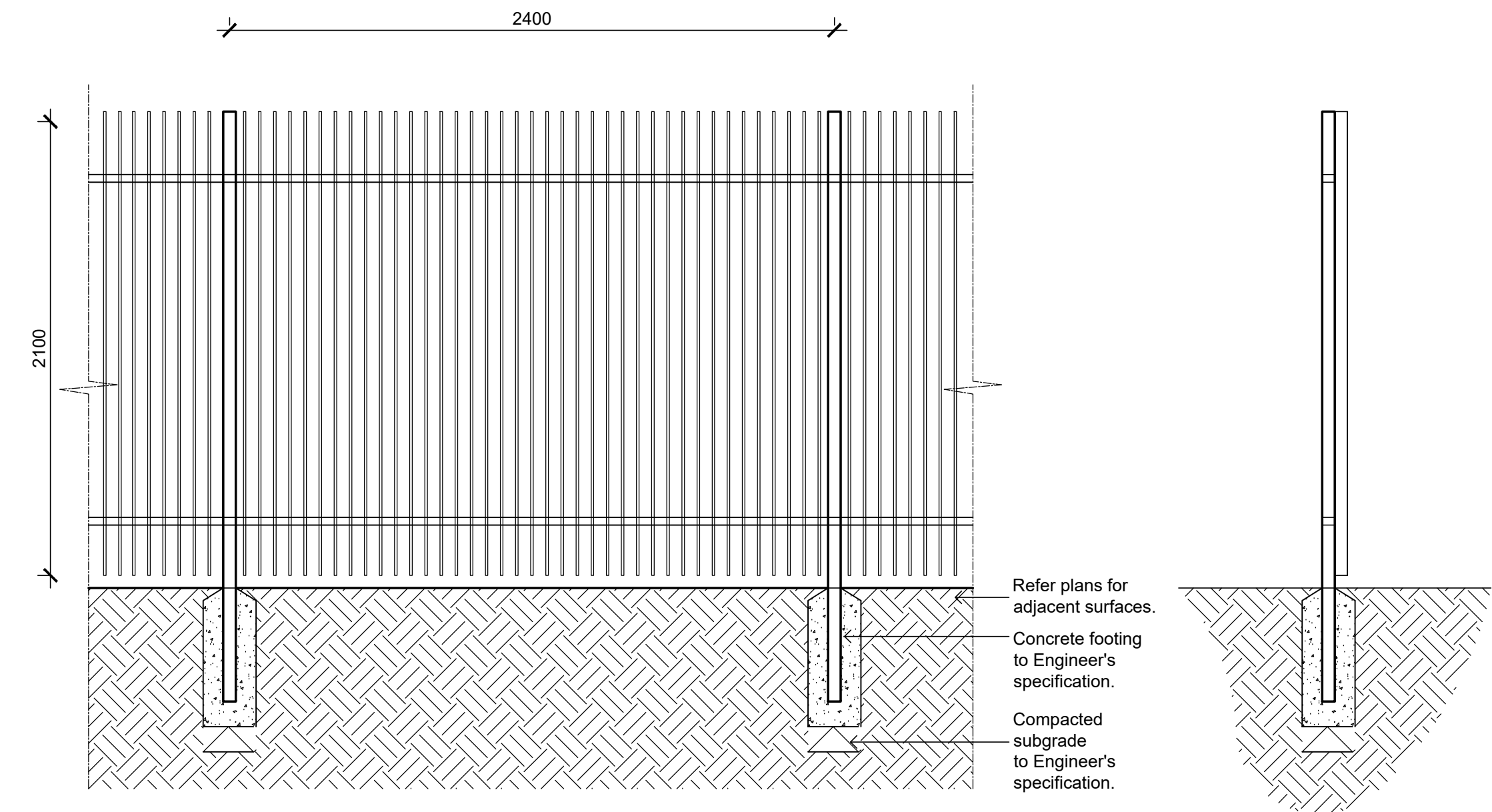
DEVELOPMENT APPLICATION

Drawing Name:
Landscape Plan 1

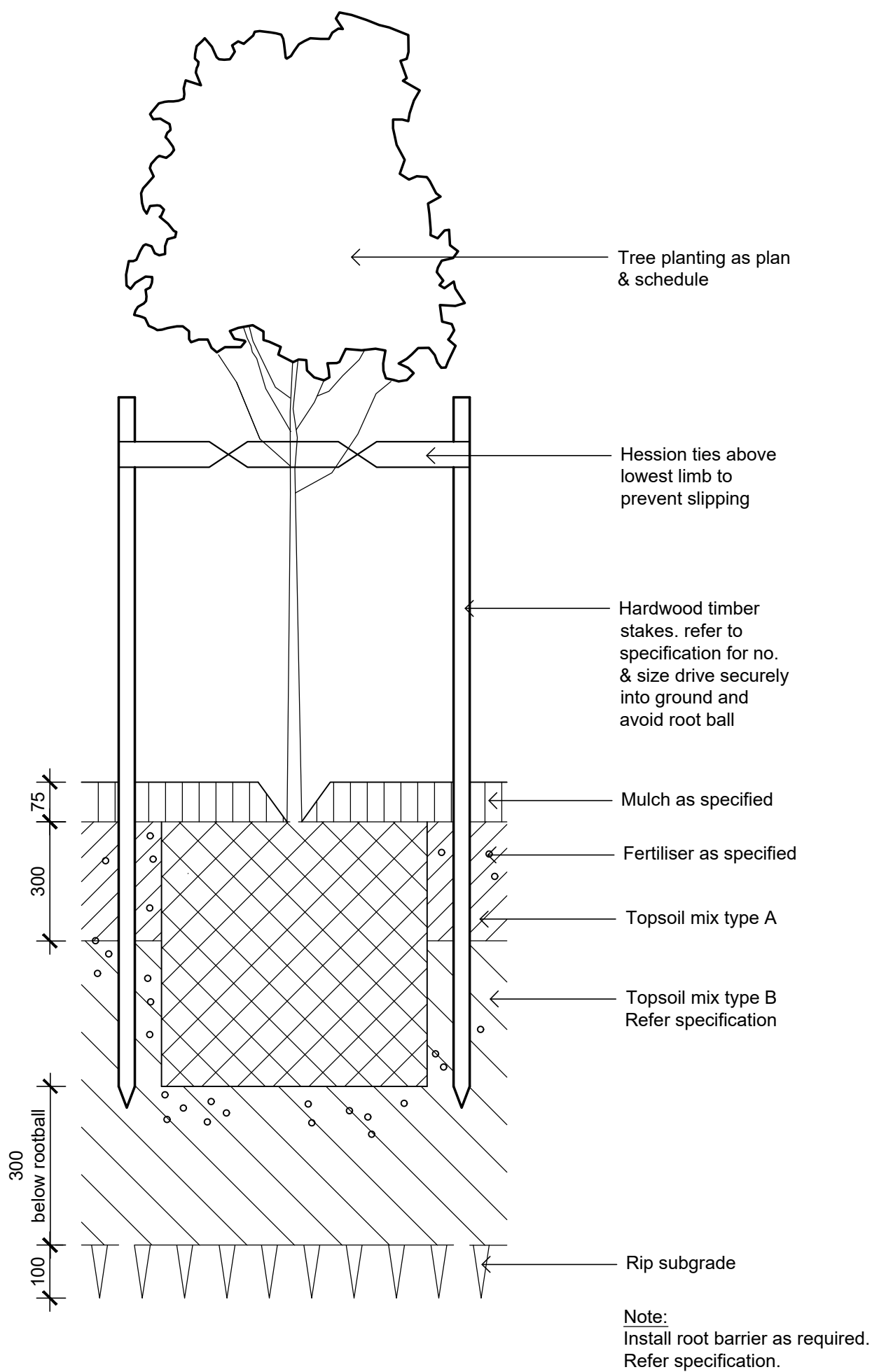
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Job Number:
SS19-4208
Drawing Number:
101
Issue:
L



SS19-4208 102 K



Typical Security Fence Detail
1:20



Detail 75-200L Tree Planting on Grade
1:10

NOT FOR CONSTRUCTION

GENERAL NOTES

References

All plans and details included in the project documents shall be read in conjunction with this specification. All structural and civil works components of the landscape design shall be referenced to engineers' details and specifications. Read this specification in conjunction with the plant and materials schedule on this drawing. If in doubt about any detail or if conflicts are found in the documents, seek advice.

Workmanship and Materials

The whole of the landscape works shall be carried out by a competent, trained and qualified landscape contractor who is experienced in horticultural practices, landscape construction and planting techniques. The landscape contractor shall hold a current Building Contractors License and/or be a financial member of LNA Landscape Association NSW & ACT or equivalent organisations in other states.

EXISTING TREES

Trees to be Retained and Protected

Identify and mark trees and shrubs to be retained using a suitable non-injurious, easily visible and removable means of identification. Protect from damage the trees and shrubs to be retained, including those beyond the site area, both above and below the ground. If a tree becomes damaged during the works or it is proposed to perform work on a tree, give written notice immediately and obtain instructions.

Work near Trees

Keep the area of the drip-line free from construction material and debris. Do not place bulk materials and harmful materials under or near trees. Do not place spoil from excavations against tree trunks. Prevent wind-blown materials such as cement from harming trees and plants. Do not remove topsoil from, or add topsoil to, the area within the drip-line of trees.

EARTHWORKS

Excavation, Trimming and Filling

Except as otherwise note in the contract, bulk excavation is excluded from the landscape works. Trim and fill the excavated ground surfaces to achieve design levels to accommodate finish materials as detailed. Compact the finished surface as required for the finished ground treatment.

Sub-soil Drainage

Keep the excavated works drained and free of standing water. Allow to supply and install sub-soil drainage pipes as required for the new works to ensure that all gardens are well drained. Connect the sub-soil drainage pipes to the nearest downstream stormwater pits. Include pipe filter socks.

HARDWORKS

Furniture, Handrails, Balustrades

Supply and install the scheduled items in accordance with the manufacturer's recommendations, as detailed and in the locations shown on plan. Provide all footings and fixings required for the items to be stable and in accordance with applicable codes and standards.

Garden Walls, Fences, Steps, TGSi and Edging

Construct garden walls as shown on plan, as detailed and of the material scheduled. Provide footings, step nosings, tactile surfaces to comply with standards and applicable legislation.

Continuous, Unit and Loose Pavement

Install the scheduled material pavement to the locations shown on plan. Ensure that all subgrade/subsurface works are complete prior to commencing paving. Confer with the engineer to ensure the structural integrity of the installation.

SOFTWORKS

Soil Testing

Undertake at least two (2) soil tests, in locations as advised by Project Manager, and provide results and recommendations for the improvement of plant growth and to adjust the soil to achieve appropriate planting medium (including pit levels) for successful plant growth.

Subsoil

Excavate all garden beds to bring the subsoil to at least 300mm below finished design levels. Shape the subsoil to fall to subsoil drains where applicable. Do not excavate within the drip line of trees to be retained. Excavate all turf areas to bring the subsoil to at least 100mm below finished design levels. Shape the subsoil to fall to subsoil drains where applicable. Do not excavate within the drip line of trees to be retained. Cultivate the subsoil to a further depth of 100mm. Remove stones exceeding 25mm, clods of earth exceeding 50mm, and weeds, rubbish or other deleterious material brought to the surface during cultivation. Do not disturb services or tree roots, if necessary cultivate these areas by hand. During cultivation, thoroughly mix in materials required to be incorporated into the subsoil, as recommended in the soil testing results and to manufacturer's recommendations. Trim the surface to design levels after cultivation.

Topsoil

Import topsoil for the garden and turf areas, unless the topsoil can be provided from material recovered from the site, as recommended in the soil testing results. Spread the topsoil on the prepared subsoil and grade evenly, compact lightly and uniformly in 150mm layers. Avoid differential subsidence and excess compaction and produce a finished topsoil surface which has the following characteristics:

- Finished to design levels, allowing for mulch or turf, which is to finish flush with adjoining hard surfaces such as paths and edge;
- Smooth and free from stones or lumps of soil;
- Graded to drain freely, without ponding, to catchment points;
- Graded evenly to adjoining surfaces; and
- Ready for planting.

Compost

Provide, in accordance with AS 4454, well rotted vegetative material or animal manure, free from harmful chemicals, grass and weed growth.

Fertiliser

Provide proprietary fertilisers, delivered to the site in sealed bags marked to show manufacturer or vendor, weight, fertiliser type, N:P:K ratio, recommended uses and application rates.

Plants

Supply plants in accordance with the landscape drawings and schedules, which have the following characteristics:

- Large healthy root systems, with no evidence of root cur, restriction or damage;
- Vigorous, well established, free from disease and pests, of good form consistent with the species or variety;
- Hardened off, not soft or forced, and suitable for planting in the natural climatic conditions prevailing at the site, and in particular shade conditions;
- Grown in final containers for not less than twelve weeks;
- Trees, unless required to be multi-stemmed, shall have a single leading shoot; and
- Containers shall be free from weeds and of appropriate size in relation to their container.

Plant Installation

Following excavation of the planting hole place and spread 15gms of wetting agent pre-mixed with one (1) litre of water. Place the plant correctly orientated to north or for best presentation. Backfill the planting holes with specified topsoil mixture. Lightly tamp and water to eliminate air pockets. Ensure the topsoil is not placed over the top of the rootball. Keep the plant stem at the same height above the ground as it was above the soil in the container. Apply fertiliser, as recommended in the soil testing results or in accordance with the manufacturer's recommendations around the plants in the soil at the time of planting.

Embankment Stabilisation

Where necessary to prevent soil erosion or soil movement, stabilise embankments. As a minimum this should be on slopes $\geq 1:3$. Stabilise embankments using biodegradable fibre reinforced with heavy weight polymer mesh. Lay mesh from top to bottom of slope. Install in accordance with manufacturer's specification, including 300 x 300 mm anchor trenches at top and bottom, backfilled with soil over the mesh and compacted, and U-shaped galvanised steel pegs at 1000 mm centres and 250mm centres at edge overlaps. Plant after matting is installed.

Root Barrier

Supply and install root control barriers to all new tree plantings adjacent to walls, paths and all trunk service trenches, where their proximity poses a threat to the stability of the infrastructure. Install in accordance with manufacturer's recommendations.

Mulch

Mulch shall be approved horticultural grade pine bark, 15mm as supplied by ANL. Place mulch in all garden beds to a depth of 75mm, after all specified plants are installed. Keep mulch clear of all plant stems and rake to an even surface flush with the surrounding surfaces evenly graded between design surface levels. Over fill to allow mulch to settle to the specified depth.

Stakes and Ties

Stakes shall be durable hardwood, straight, free of knots and twists, pointed at one end, in the following quantities and sizes for each of the various plant pot sizes:

- Plants (≥ 25 lt): 1 off 38 x 38 x 1200mm;
- Semi-advanced plants (≥ 75 lt): 2 off 50x50x 1800mm;
- Advanced (≥ 100 lt): 3 off 50 x 50 x 2400mm.

Turf

Turf shall be delivered to site as 25mm minimum thick cut rolls. Obtain turf from a specialist grower of cultivated turf. Provide turf of even thickness, free from weeds and other foreign matter. Deliver turf to the site within 24 hours of being cut, and lay it within 24 hours of delivery. Prevent it from drying out between cutting and laying. Lay the turf in the following manner:

- In stretcher pattern, joints staggered and close butted;
- Parallel long sides of level areas, with contours on slopes; &
- To finish flush, after tamping, with adjacent finished surfaces of ground.

LANDSCAPE MAINTENANCE

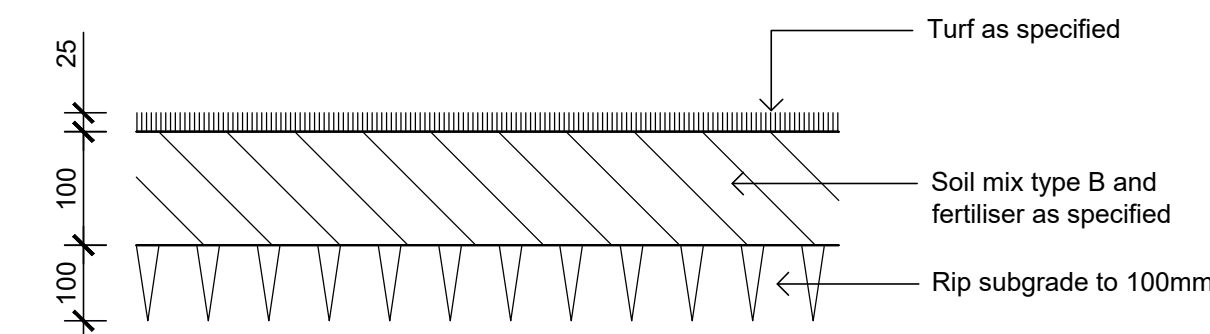
The Landscape Contractor shall rectify defects during installation and that become apparent in the works under normal use for the duration of the contract Defects Liability Period. The Landscape Contractor shall maintain the contract areas by the implementation of industry accepted horticultural practices for 4 weeks. The landscape maintenance works shall include, but not be limited to, the following:

- Replacing failed plants;
- Pruning;
- Insect and pest control;
- Fertilising;
- Stakes and ties;
- Maintaining mulch;
- Mowing and top dressing;
- Irrigation and watering;
- Erosion control; and
- Weeding and rubbish removal.

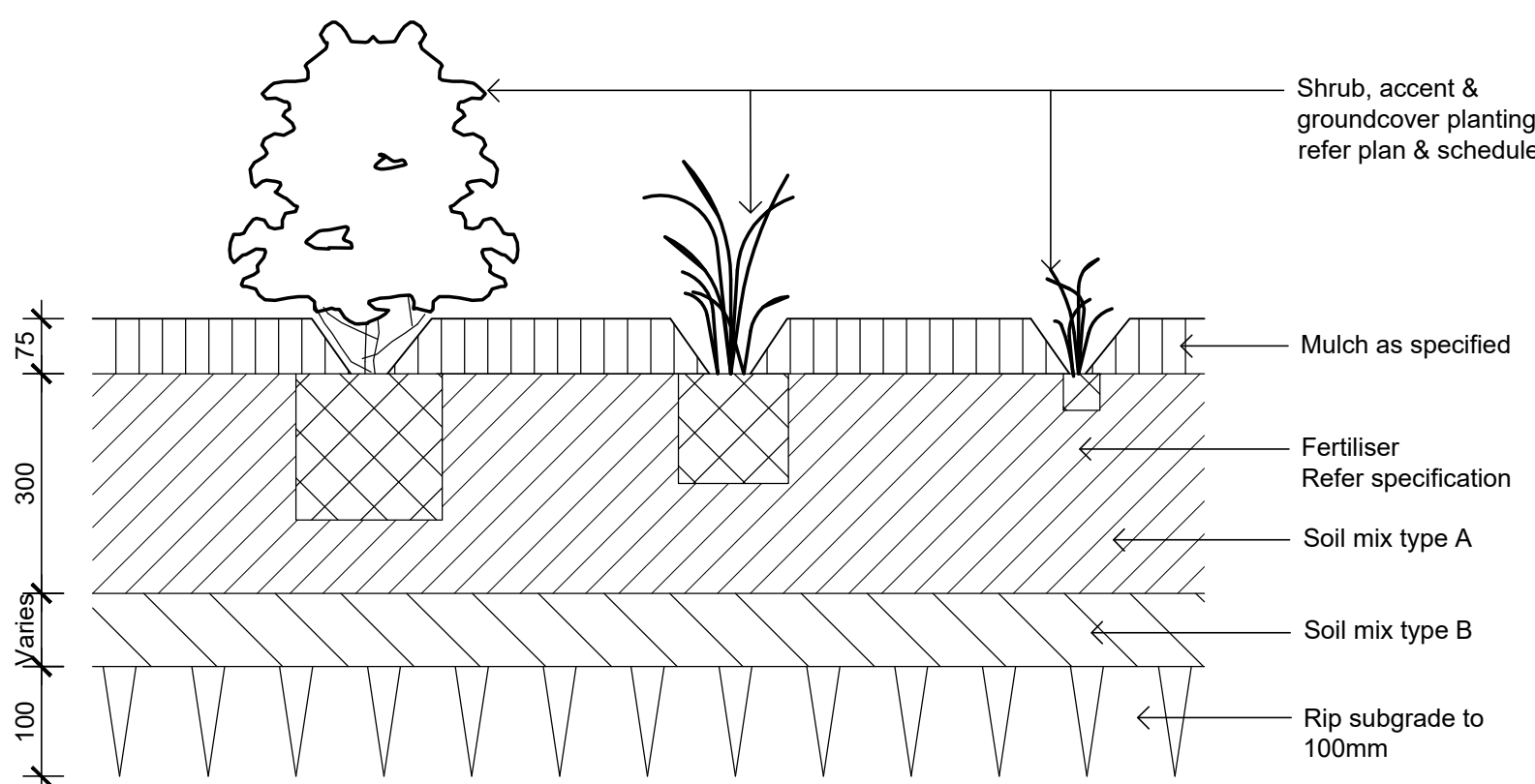
Maintenance Activities

Schedule the following activities to occur on a timely basis.

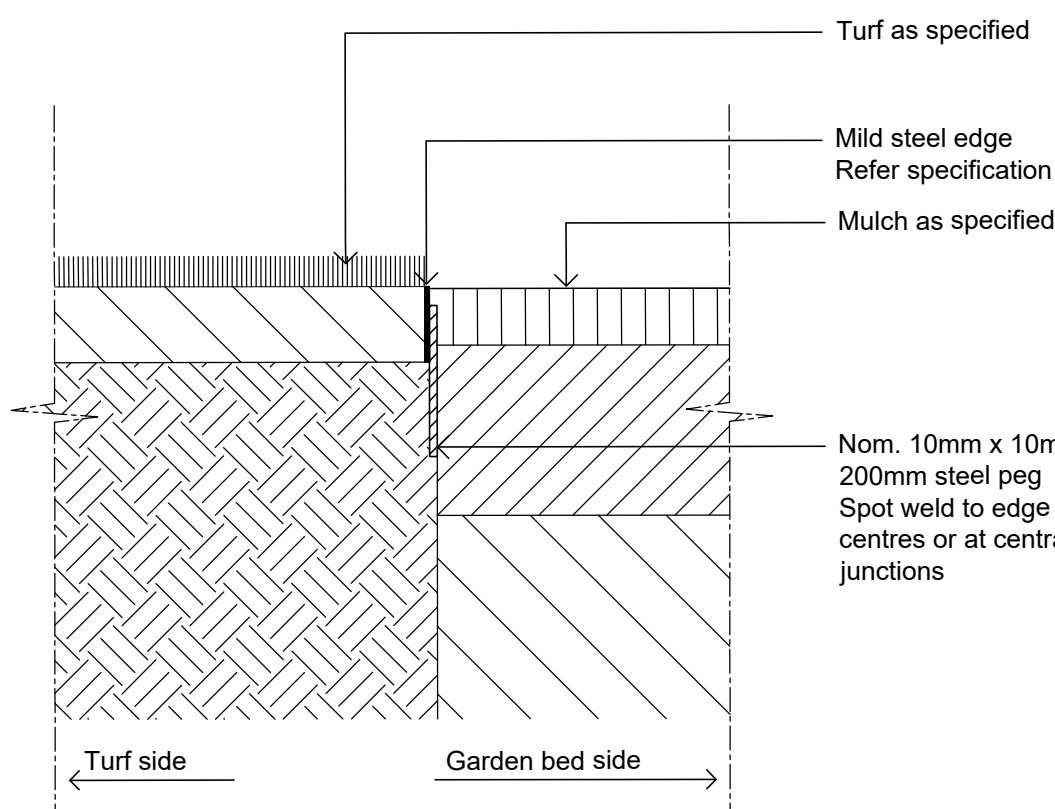
- Plant replacement** - Replace plants that have failed to mature, die or are damaged. Replacement plants shall be in a similar size and quality and identical species or variety to the plant that has failed. Replacement of plants shall be at the cost of the landscape contractor unless advised otherwise. If the cause of the failure is due to a controllable situation then correct the situation prior to replacing plants.
- Pruning** - Prune dead wood, broken limbs, dead or infected foliage and as needed to develop strong, healthy plants to achieve the shape and form expected of the plant type.
- Insect and pest control** - Avoid spraying:
 - If ever possible;
 - In wet weather or if wet weather is imminent;
 - If target plants are still wet after rain;
 - In windy weather; and
 - If non-target species are too close.Immediately report to the Project Manager any evidence of intensive weed infestation, insect attack or disease amongst plant material. Submit all proposals to apply chemicals and obtain approval before starting this work. When approved, spray with herbicide, insecticide, fungicide as appropriate in accordance with the manufacturers' recommendations. Record in the logbook all relevant details of spraying activities including:
 - Product brand / manufacturer's name,
 - Chemical / product name,
 - Chemical contents,
 - Application quantity and rate,
 - Date of application and location,
 - Results of application, and
 - Use approval authority.
- Fortilising** - Fertilise gardens with a proprietary slow release fertiliser applied in accordance with the manufacturer's directions and recommendations. Record in the logbook all relevant details of fertilising including:
 - Product brand / manufacturer's name,
 - Fertiliser / product name,
 - Application quantity and rate, and
 - Date of application and location.
- Stakes and ties** - Adjust and replace as required to ensure plants remain correctly staked. Remove those not required at the end of the planting establishment period (Defects Liability Period).
- Maintaining mulch** - Maintain the surface in a clean, tidy and weed free condition and reinstate the mulch as necessary to ensure correct depth as specified.
- Mowing and top dressing** - Mow the turf to maintain a grass height of between 30-50mm. Do not remove more than one third of the grass height at any one time. Remove grass clippings from the site after each mowing. Top dress to a maximum of 10mm to fill depressions and hollows in the surface.
- Irrigation and watering** - Maintain the irrigation system to sure that each individual plant receives the required amount of water to maintain healthy and vigorous growth, adjust and rectify as required. Provide additional watering, if necessary.
- Erosion control** - Where necessary, maintain the erosion control devices in a tidy and weed free condition and reinstate as necessary to ensure control measures are effective where deemed necessary.
- Weeding and rubbish removal** - During the plant establishment period remove by hand, rubbish and weed growth that may occur or re-occur throughout all planted, mulched and paved areas. The contractor shall target weeds that are capable of producing a major infestation of unwanted plants by seed distribution. Whenever possible, time weed removal to precede flowering and seed set.



Detail Turf on Even Grade
1:10



Detail Shrub Accent & Groundcover Planting on Grade
1:10



TYPICAL MILD STEEL EDGE
SCALE 1:10

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E	ARCHITECTURAL COORDINATION	KP	NM	13.05.2021	
D	ARCHITECTURAL COORDINATION	KP	NM	04.05.2021	
C	ARCHITECTURAL COORDINATION	JM	NM	09.02.2021	
B	ARCHITECTURAL COORDINATION	SM	NM	15.10.2020	
A	FOR COMMENT	MW	NM	28.08.2019	
Issue	Revision	Description	Drawn	Check	Date

LEGEND

Client:

McDonald's Australia Limited

Project:

McDonald's Wongawilli

West Dapto Road,

Wongawilli NSW

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DEVELOPMENT APPLICATION

Drawing Name:

Landscape Specification & Details

Scale:

Job Number:

Drawing Number:

Issue:

SS19-4208

501 E

30012599 - 1 Raven Street Hydraulics - Variation 03

5 July 2021

Kate Young
Principal - Planning
SLR
<https://www.slrconsulting.com/>

30012599 – 1 Raven Street Hydraulics-Variation 03

Dear Kate,

RE: 1 Raven Street -Response to Council Contention 5 - Variation 03

1.1 Introduction

This letter provides a further hydraulic study to assess flood impacts of the proposed development in response to Council's Contention 5 (refer to Appendix A for full detail). This study also considered the proposed road upgrade work, provided by the council, which included:

1. Road widening of the West Dapto Road, and
2. Vertical realignment of the West Dapto Road.

The scope of works is outlined in the approved proposal, dated 27th May 2021, to assess potential flood impacts of the proposed civil design within the site due to the proposed West Dapto road upgrade.

The results of the work undertaken in this letter are consistent with the results detailed in the previous submissions (7 November 2019 and 17 May 2021) and further addresses Council's comments regarding potential flood impacts to Wongawilli/West Dapto Road associated with the proposed development.

1.2 Objectives

The objective of this letter is to assess potential flood impacts of the proposed design on adjacent developments and watercourse for the 1% Annual Exceedance Probability (AEP) and Probable Maximum Flood (PMF) storms.



1.3 Methodology

The TUFLOW hydraulic model (owned and provided by Council) was modified to reflect the developed scenario by incorporating the proposed design TIN for the West Dapto Road upgrade (provided to SMEC on the 4th June 2021), the related culvert crossing upgrade information (supplied 24th June 2021), and the updated civil design within the lot (provided 3rd June 2021) which are shown in Figure 1. Further details regarding the proposed civil design can be found in Appendix B.

As shown in Figure 1, the proposed design changes includes raising and widening the West Dapto Road at the intersection, culvert crossing upgrade, and re-grading of the driveway design levels (due to the West Dapto road upgrade) within the lot boundary. These modifications were applied to the hydraulic model produced for the previous design. Hence, the current model for the proposed scenario, in addition to the above-mentioned changes, also incorporates the minimum proposed pad level of 22.5m AHD for the lot, Finish Floor Level (FFL) of 23.0 m AHD for the proposed McDonald building, the proposed retaining wall, and the swale to the south west of the site which is designed to mitigate flows during storm events and divert floodwater north to the ponds.



Figure 1. Proposed design

The provided Council's TUFLOW model has 5m cell size resolution which has been retained for this assessment.

Based on SMEC's earlier report (dated 7 November 2019), it was found that 120 minutes for the 1% AEP event and 90 minutes for the PMF event will be critical durations, respectively. Council's flood model includes considerations for 2016 Council Conduit Blockage Policy. For this assessment, the unblocked scenario was found to be the critical scenario at the Site (SMEC 2019). Hence, the TUFLOW model of the proposed design was run for 1% AEP and PMF events (only for the critical durations) under unblocked drainage network scenario. Further, flood maps including flood depth and water level changes (afflux maps) were produced.

1.4 Results and Discussion

Flood maps are provided in Appendix C. As it can be seen in the flood depth maps provided in Appendix C, the site will not be impacted in 1% AEP and PMF storm events for the proposed conditions. Whereas, as shown in Appendix C of the previous submitted memo (dated 17th May 2021), the lot is impacted by PMF and 1% AEP storms for the existing scenario (without the proposed West Dapto Road upgrade) although 1% AEP flood extent is only slightly encroaching the site at the south west corner where there is an existing swale. The extended flood immunity of the site (lot) in PMF storm for proposed conditions is due to proposed raised levels of the West Dapto road upgrade as it allows more ponding upstream of the West Dapto Road culvert crossing and letting less runoff to overtop the road, which could traverse the lot.

The afflux (change in flood levels) maps between the proposed and existing scenarios for PMF and 1% AEP storm are shown in Figure 2 and Figure 4. As shown in Figure 2, 1% AEP water level decreases by approximately 0.5 m immediately upstream of the West Dapto Road, which is caused by proposed raised road levels and enhanced conveyance capacity of the upgraded culvert crossing.

However, an increase in water level up to 50mm immediately downstream of the proposed road can be seen. This local afflux is produced by adjacent terrain modifications due to the proposed road upgrade. It is noted that increase in water levels within the road upgrade extent, shown in yellow in the figures, should not be considered as terrain is different for the proposed scenario compared to existing conditions. The profile shown in Figure 3 clarifies this matter. Hence, results show that the proposed civil design within the lot does not create increase in afflux for 1% AEP storm event. Further, Figure 2 confirms that there is no overland flow affecting the south west corner of the lot as this area becomes dry for proposed scenario compared to existing conditions in 1% AEP storm.

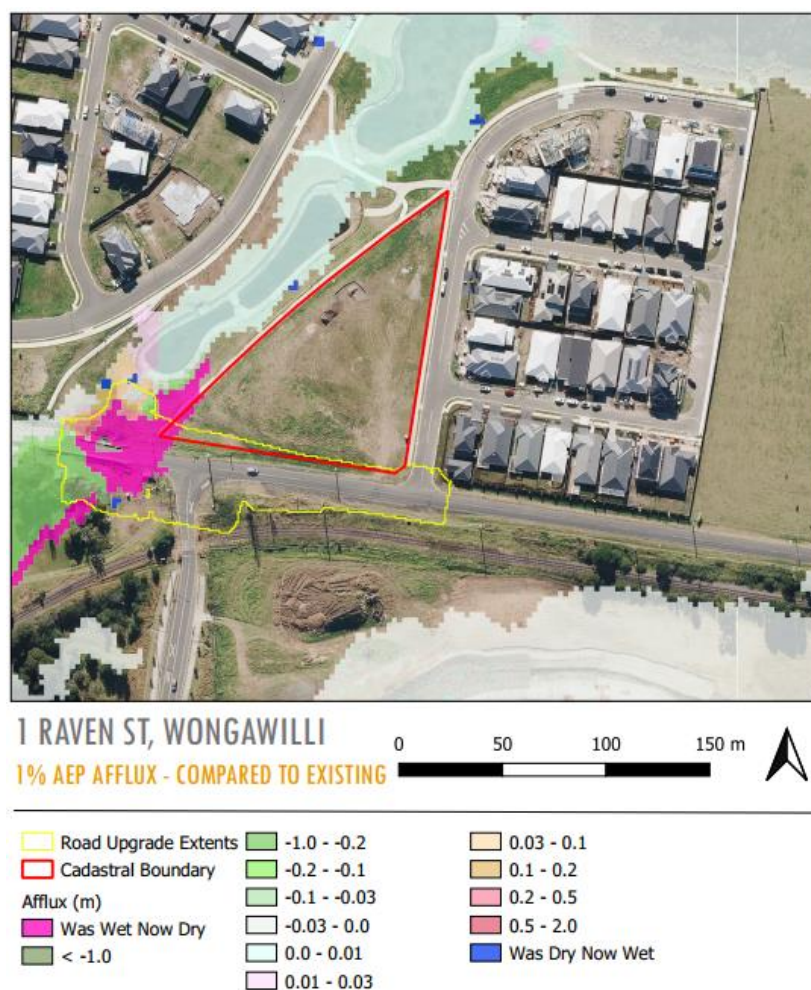


Figure 2. 1% AEP afflux for the proposed scenario (compared to existing conditions)

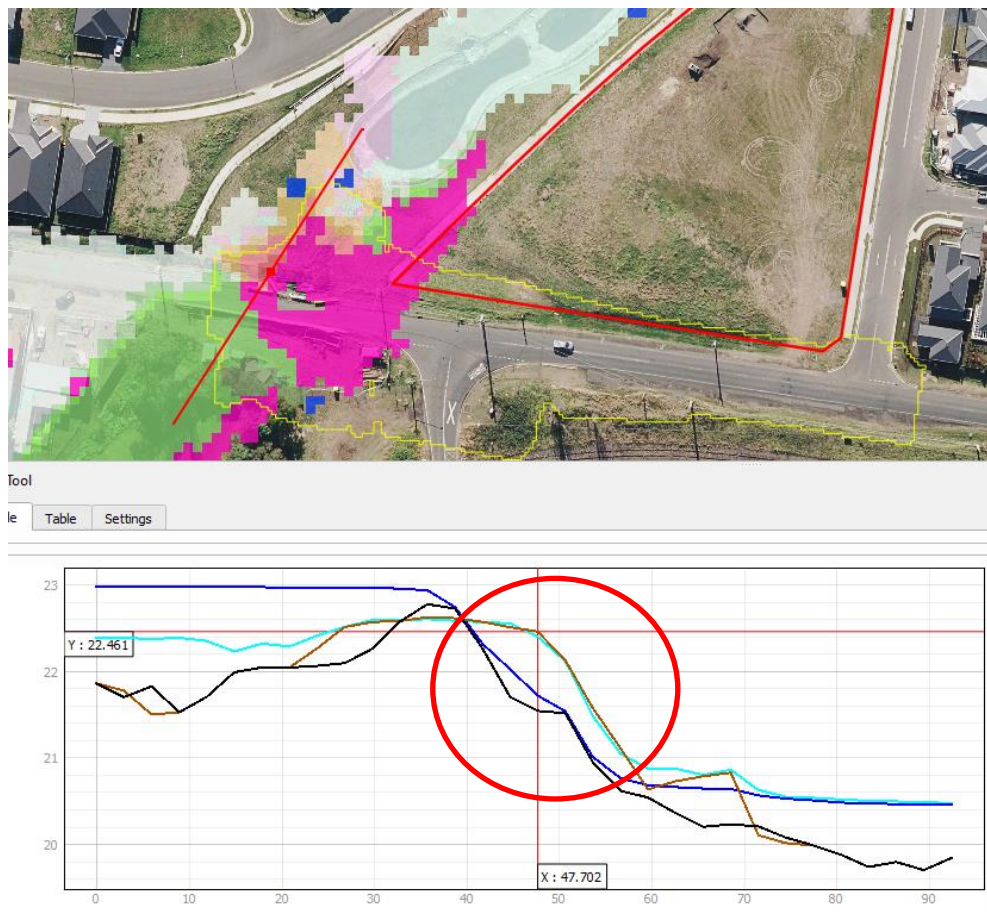


Figure 3. 1% AEP flood level comparison between existing and proposed scenarios. Existing terrain in black; proposed terrain in brown; existing water level in blue; and water level for proposed conditions in cyan. Increase in flood levels in the marked area in red is due to the terrain difference for the road between proposed and existing conditions.

It is noted that according to Table 2 in Chapter E of Council's Development control Plan (DCP), the permissible afflux for residential and commercial developments is 20mm for up to the 1% AEP flood. However, the observed afflux in the present study is due to the road upgrade rather the proposed development for the lot.

As shown in Figure 4, flood extent near the lot is improved for PMF storm as the previously affected area within the lot in the existing conditions now becomes dry. There is up to 300mm decrease in flood levels immediately upstream of the road culvert crossing for the proposed scenario compared to existing conditions; this is due to increased culvert capacity. However, there is localised increase (up to 300mm) in afflux immediately downstream which is due to the change in the road geometry (proposed West Dapto road upgrade extent shown in yellow in the figures).

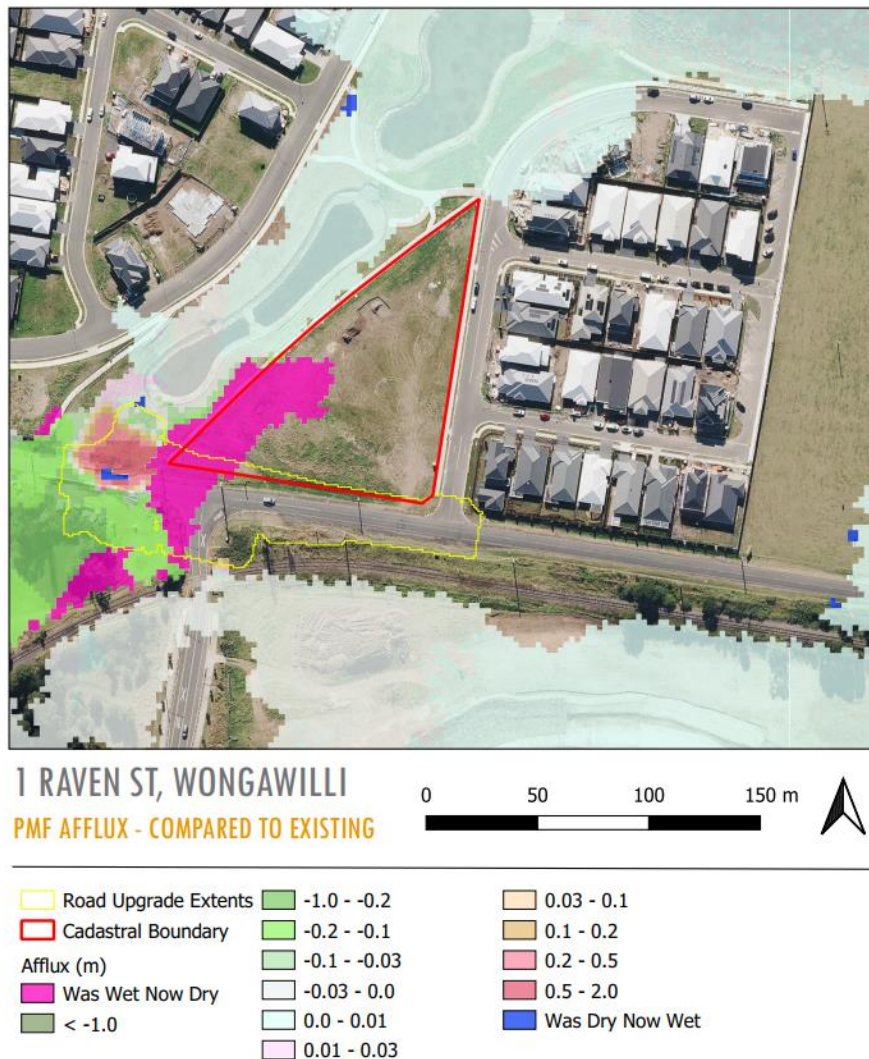


Figure 4. PMF Afflux for the proposed scenario (compared to existing conditions)

1.5 Conclusion


Based on flood impact assessment results for the proposed design, we conclude that:

1. The proposed development for the lot doesn't create any afflux for 1% AEP and PMF storm events.
2. Results show that there is a significant decrease in water levels immediately upstream of the West Dapto culvert crossing for the proposed scenario compared to existing conditions for both 1% AEP and PMF storm events.
3. Results show a localised afflux up to 50mm and 300mm immediately downstream of the culvert crossing and within the creek for 1% AEP and PMF storm events, respectively. These increases in flood levels are due to the proposed West Dapto road upgrade and it is not related to the proposed site development.
4. Also, the lowest proposed finished floor level (22.5m AHD) for habitable area has a freeboard more than 0.5m (minimum as required by Council's DCP) for 1%AEP flood event.
5. As required by Council, the existing swale located at the south-western corner of the site is kept untouched to acts as a flood mitigation measure, as required for approval of the parent subdivision (Sanctuary Ponds), and further to meet the requirement of Chapter E13/E14 of Council's DCP.

It is noted that the current study does not aim at providing flood impacts of the proposed West Dapto road upgrade.

If you have any further queries regarding these results, please do not hesitate to contact myself on (02) 9925 5587 or Gus.naghib@smec.com.

Yours sincerely,



Gus Naghib

Gus Naghib

Experienced Engineer - Water Resources

Appendix A – Council’s Contention 5

Provided by Client Dated 28th September 2020

CONTENTION 5

1 The proposed development does not adequately reduce the risk and impact of flooding and stormwater and fails to comply with clause 7.3 of the WLEP 2009, and relevant Chapters of the WDCP 2009.

Particulars:

The proposal does not meet the objectives of clause 7.3 of the WLEP 2009

- (a) to maintain the existing flood regime and flow conveyance capacity,
- (c) to avoid significant adverse impacts on flood behaviour,
- (d) to avoid significant effects on the environment that would cause avoidable erosion, siltation, destruction of riparian vegetation or a reduction in the stability of river banks or watercourses and
- (e) to limit uses to those compatible with flow conveyance function and flood hazard.

The proposal shows an increase in flood levels of up to 0.2m in the 1 % AEP and up to 0.5m in the PMF within the road reserve of Wongawilli Road due to the proposed filling of the south-west corner of the Site. These increases in flood levels, both individually and cumulatively, are considered to be a detrimental increase and thus contrary to section 6.4.2(b) of the updated Chapter E13 of the Wollongong DCP 2009.

The proposed filling of the existing swale at the south-west corner of the Site is not supported as it has an adverse impact on flood level increases and flood impacts. This existing swale was created as part of the parent subdivision (Sanctuary Ponds) to act as a flood mitigation measure and divert floodwaters into the ponds for the 1 % AEP and PMF events. The proposed filling of the existing swale is contrary to sections 7(1) and 7(2) of Chapter E13 of the updated Wollongong DCP 2009

The omission of the as-constructed Sanctuary Ponds development in the flood modelling is unorthodox and contrary to the requirements of Chapters E13/E14 of the Wollongong DCP 2009.

Appendix B – Proposed Civil Design Plan



Appendix C – Flood Maps



1 RAVEN ST, WONGAWILLI

1% AEP DEPTH - PROPOSED CASE

0 50 100 150 m



- | | |
|----------------------------|------------|
| — Proposed Surface Grading | Depth (m) |
| — Road Upgrade Extents | ≤ 0.05 |
| — Cadastral Boundary | 0.05 - 0.1 |
| | 0.1 - 0.2 |
| | 0.2 - 0.5 |

- | |
|-----------|
| 0.5 - 1.0 |
| 1.0 - 1.5 |
| 1.5 - 2.0 |
| 2 - 6 |



1 RAVEN ST, WONGAWILLI

1% AEP WATER LEVEL - PROPOSED

0 50 100 150 m



□ Road Upgrade Extents

□ Cadastral Boundary

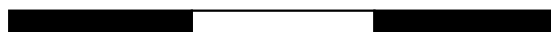
— 1% AEP Water Level Contour



1 RAVEN ST, WONGAWILLI

PMF DEPTH - PROPOSED CASE

0 50 100 150 m



- | | |
|----------------------------|-------------|
| — Proposed Surface Grading | Depth (m) |
| — Road Upgrade Extents | ≤ 0.05 |
| — Cadastral Boundary | 0.05 - 0.1 |
| | 0.1 - 0.2 |
| | 0.2 - 0.5 |

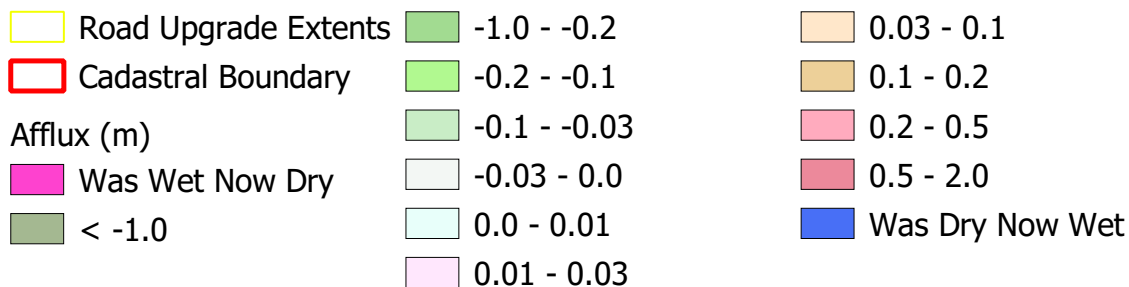
- | |
|-----------|
| 0.5 - 1.0 |
| 1.0 - 1.5 |
| 1.5 - 2.0 |
| 2 - 6 |



1 RAVEN ST, WONGAWILLI

1% AEP AFFLUX - COMPARED TO EXISTING

0 50 100 150 m

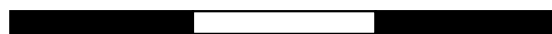




1 RAVEN ST, WONGAWILLI

PMF AFFLUX - COMPARED TO EXISTING

0 50 100 150 m



Yellow outline: Road Upgrade Extents

Red outline: Cadastral Boundary

Afflux (m)

Magenta: Was Wet Now Dry

Dark Green: < -1.0

Light Green: -1.0 - -0.2

Medium Green: -0.2 - -0.1

Light Green: -0.1 - -0.03

White: -0.03 - 0.0

Light Blue: 0.0 - 0.01

Pink: 0.01 - 0.03

Light Orange: 0.03 - 0.1

Orange: 0.1 - 0.2

Pink: 0.2 - 0.5

Red: 0.5 - 2.0

Blue: Was Dry Now Wet