



Sydney Environmental Group

Waste Management Plan

2 Bullecourt Avenue, Milperra NSW

Mirvac Pty Ltd

Report No: 2300-WMP-01-201124.v1f

Report Date: 2 December 2024



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DOCUMENT RECORD

Revision	Date	Author	Reviewer
v1f	2 December 2024	Maxwell Cunningham	Steven Wallace

Author Signature		Reviewer Signature	
Name	Maxwell Cunningham	Name	Steven Wallace
Credentials	B.Sc. Zoology	Credentials	CEnvP, M.Sc.Envir.Sci, B.Sc. Meteorology
Title	Environmental Scientist	Title	Managing Consultant

Document Title:	Waste Management Plan: Building 28 – Western Sydney University, Milperra Campus, Horsley Road & Bullecourt Avenue, Milperra NSW.
Site Address:	Building 28 – Western Sydney University, Milperra Campus, Horsley Road & Bullecourt Avenue, Milperra NSW.
Client Name:	Mirvac Pty Ltd
Site Size:	Site Area = 18.83 ha Subject Area = 8,350 m ²
Reference Number:	2300-WMP-01-201124.v1f
Project Type:	Waste Management Plan
Project Type Abbreviation:	WMP
Document Draft:	FINAL
Document Revision No.	v1f

Prepared by Sydney Environmental Group Pty Ltd ABN: 14 631 026 214



1. INTRODUCTION

Sydney Environmental Group Pty Ltd (SE) was engaged by Mirvac Pty Ltd (the client), to prepare a Waste Management Plan (WMP) for the proposed alterations and additions to the existing childcare structure located at the Western Sydney University, Milperra Campus, Horsley Road & Bullecourt Avenue, Milperra NSW (refer **Figure 1**).

SE has the following project appreciation:

- The entire site covers an area of approximately 18.83 ha;
- The broader development area occupies the former Western Sydney University – Milperra Campus, Horsley Road & Bullecourt Avenue, Milperra NSW;
- The subject area is comprised of the childcare centre, identified as building 28, and encompasses an area of approximately 8,350 m²;
- The existing structures within the subject area are proposed for alterations and additions; and
- A WMP is required for submission to the Principal Certifying Authority.

SE were engaged to:

- Prepare a WMP (inclusive of WMP) for the proposed construction activities of the client at the site.

The site identification details and associated information are presented in **Table 1** below.

Table 1. Site Identification Information

Attribute	Description
Street Address	Western Sydney University, Milperra Campus, Horsley Road & Bullecourt Avenue, Milperra NSW
Lot and Deposited Plan (DP)	Lot 2 DP1291984
Geographical Coordinates	33°56'23"S 150°59'37"E (Centre of site)
Site Area	Site Area = 18.83 ha Subject Area = 8,350 m ²
Local Government Area (LGA)	City of Canterbury Bankstown
Zoning	R1 General Residential B1 Neighbourhood Centre <i>Canterbury Bankstown Local Environmental Plan 2023</i>

The locality of the site is set out in **Figure 1**.

The general layout and boundary of the site is set out in **Figure 2**.

1.1. Project Description

The proposed development consists of alterations and additions to an existing childcare structure and minor demolition works associated with removal of four (4) water tanks and one (1) shed.

The purpose of this WMP is to promote favourable environmental outcomes associated with the management of waste on this project. The WMP sets out all the safeguards required to minimise any adverse impacts to the environment. The project will aim to recycle as much construction waste as possible during demolition and construction.

2. Waste Management Plan

This procedure summarises requirements for waste produced in constructing the proposed development. Construction waste will be managed in accordance with the waste management hierarchy:

1. Avoid waste as a first priority
2. Re-use waste, recycle or reprocess
3. Dispose of waste as a last resort

The construction of the proposed development will generate the most amount of waste from demolition of structures. The following waste types are likely to be present:

- General demolition waste, including waste concrete, bricks, timber, metal and glass;
- Surplus materials used during site establishment, such as safety fencing and barriers possibly including plastics and metal;
- General construction waste, such as excess concrete, redundant pieces of pipe/fittings, broken bricks, timber, paper, plastic and metal; and
- Domestic waste, including food scraps, aluminium cans, glass bottles, plastic and paper containers, and putrescibles waste generated by site construction staff.

Construction will generate a relatively small amount of waste, however, the client will adequately manage and minimise impacts by implementing the waste mitigation measures listed below:

- Establish a combined waste collection system by a reputable service provider;
- Order appropriate quantities of materials to minimise wastage;
- Control the quality of materials supplied to reduce rework and problems due to quality and additional material consumption;
- Use prefabricated elements where practical and reasonable;
- Establish co-mingled recycling receptacles for packaging and food container waste;
- Separate waste steel and dispose in the steel recycling bin provided on-site;
- Reuse form work as often as possible;
- Send waste timber and formwork to a recycling facility;
- Send waste concrete to a recycling facility;
- Mulch and remove any green waste from site. Where possible depending on the species, reuse for landscaping purposes off-site;
- Recycle general waste such as paper, cardboard, aluminium cans and similar materials from offices and site facilities; and
- The potential for reuse through backfilling will be limited by geotechnical factors and space constraints onsite.

2.1. Waste Storage and Handling

During demolition and excavation, waste will be removed by a suitably licensed contractor and sent to preapproved waste and resource recovery facilities. The handling, storage and transport of hazardous materials and waste will be in accordance with the WHSMP, National Code of Practice, relevant SDS on the product, and hazardous materials management procedures.

Waste oils and chemicals will be stored in a purpose-built secured bunded area. The capacity of the bunded area will be at least 110% of the chemical stored within. An emergency response spill kit will be located adjacent to the bunded area. All storage containers and locations for the various waste streams will be clearly labelled to ensure that mixing of wastes is avoided.

All material removed during any de-silting of drainage structures or sediment structures will be disposed in an approved disposal area on-site. Where spoil material is to be removed for off-site disposal, the client will ensure the waste is classified in accordance with the NSW EPA Waste Classification Guidelines.

Records or a material register will be retained detailing the quantity and classification of spoil material removed from the site.



Table 1 Demolition Waste Disposal Forecast

Waste Type	Estimated Volume ^b m ³	Waste Facility	Recycled On/Off Site
Heavy Recyclable Materials (Concrete)	50	Concrete Recyclers, Camellia	100% recycled off site
Heavy Recyclable Materials (rubble / Brick)	75	Concrete Recyclers, Camellia	100% recycled off site
Light Recyclable Materials (Timber, plastic)	20	Cleanaway, Kemps Creek	100% recycled off site
Metals	10	Cleanaway, Kemps Creek	100% recycled off site
Green Waste	5	ANL Badgerys, Creek	100% recycled off site
General Construction Waste	5	Bingo, Eastern Creek	Disposed of off site
Asbestos	N/A	Bingo, Eastern Creek	Disposed of off site
Approximate Total Waste	165		
Total Recycled	160		
Total Disposed	5		

Notes:

^A Material density values taken from Advances in Construction and Demolition Waste Recycling (2020)

^B Estimates based of concept plan (**Appendix A**)

Table 2 Construction Waste Disposal Forecast

Waste Type	Estimated Volume ^b m ³	Waste Facility	Recycled On/Off Site
Heavy Recyclable Materials (Concrete)	1	Concrete Recyclers, Camellia	100% recycled off site
Heavy Recyclable Materials (rubble / Brick)	2	Concrete Recyclers, Camellia	100% recycled off site
Light Recyclable Materials (Timber, plastic)	5	Cleanaway, Kemps Creek	100% recycled off site
Metals	5	Cleanaway, Kemps Creek	100% recycled off site
Green Waste	1	ANL Badgerys, Creek	100% recycled off site
General Construction Waste	10	Bingo, Eastern Creek	Disposed of off site
Asbestos	N/A	Bingo, Eastern Creek	Disposed of off site
Approximate Total Waste	24		
Total Recycled	14		
Total Disposed	10		

Notes:

^A Material density values taken from Advances in Construction and Demolition Waste Recycling (2020)

^B Estimates based of concept plan (**Appendix A**)



2.2. Fill Material

Investigative sampling will be undertaken on all spoil materials that require excavation and disposal if required. Specific waste management plans will be developed as an outcome of the investigative sampling. The management plans will ensure crews confidently identify specific disposal options and techniques based on any contamination found at the project location.

2.3. Naturally occurring sand / Re-usable backfill material

The fill material will typically be underlain by Wianamatta group shale with sandstone beds. This naturally occurring layer typically may contain suitable geotechnical properties for backfilling however due to site space constraints, construction crews will excavate and dispose of all excavated material

When suitable quantities are achieved, validation samples will be taken for laboratory analysis and the results compared against the National Environment Protection Measures (NEPM 2013) low density residential (HIL/HSL/ESL) land use criteria (including material with low-level asbestos concentrations). A spoil management plan will be developed to identify specific construction techniques to re-use excavated soils including backfilling sections of the project at a depth which requires a 'clean fill' capping layer to be placed on top of the backfill material.

Any excess material unable to be reused will undergo validation sampling and disposal in accordance with the EPA Resource Recovery Exemptions and Waste Classification Guidelines.

2.4. Ongoing Waste Operations and Management

During operations of the proposed development, waste will be removed by local council and sent to preapproved waste and resource recovery facilities. Based on information provided by the client, the proposed alterations will not have a significant impact on expected waste generation.

In line with NSW EPA 2019¹, approximately 5 L / day of both general waste and mix recycling is expected to be generated per child within the childcare centre. Based on a maximum capacity of ninety-five (95) children on site five days a week (Monday to Friday) the following waste loads are expected and summarised in **Table 3**.

Table 3 Ongoing Waste Disposal Forecast (weekly)

Waste Type	Volume (L/week) (Approx)	Waste Contractor	Required Bins
General Waste	2,375	City of Canterbury Bankstown	Four (4) 360 L wheely bins (red lid) collected twice weekly
Mix Recycling (Paper, Cardboard and commingled materials)	2,375	City of Canterbury Bankstown	Four (4) 360 L wheely bins (yellow lid) collected twice weekly

Ongoing management of waste on-site will be managed by the site owner using eight (8) 360 L bins collected twice weekly. The management of waste will be enforced as part of any lease conditions under standard contractual terms. For bin storage and collection points refer to **Figure 3**.

¹ NSW EPA (2019), 'Better practice guide for resource recovery in residential developments', accessed: <https://www.epa.nsw.gov.au/-/media/epa/corporate-site/resources/warrlocal/19p1559-resource-recovery-in-residential-developments.pdf> on 25 November 2024

3. STATEMENT OF LIMITATIONS

The findings presented in this plan are based on information provided by the client, specific searches of relevant, government historical databases and anecdotal information that were made available during the course of this investigation. To the best of our knowledge, these observations represent a reasonable interpretation of the general condition of the site at the time of report completion.

This plan has been prepared solely for the use of the client to whom it is addressed, and no other party is entitled to rely on its findings.

No warranties are made as to the information provided in this plan. All conclusions and recommendations made in this plan are of the professional opinions of personnel involved with the project and while normal checking of the accuracy of data has been conducted, any circumstances outside the scope of this report or which are not made known to personnel and which may impact on those opinions is not the responsibility of Sydney Environmental Group Pty Ltd. Should information become available regarding conditions at the site including previously unknown sources of contamination, SE reserves the right to review the plan in the context of the additional information.

This plan must be reviewed in its entirety and in conjunction with the objectives, scope and terms applicable to SE's engagement. The plan must not be used for any purpose other than the purpose specified at the time SE was engaged to prepare the plan.

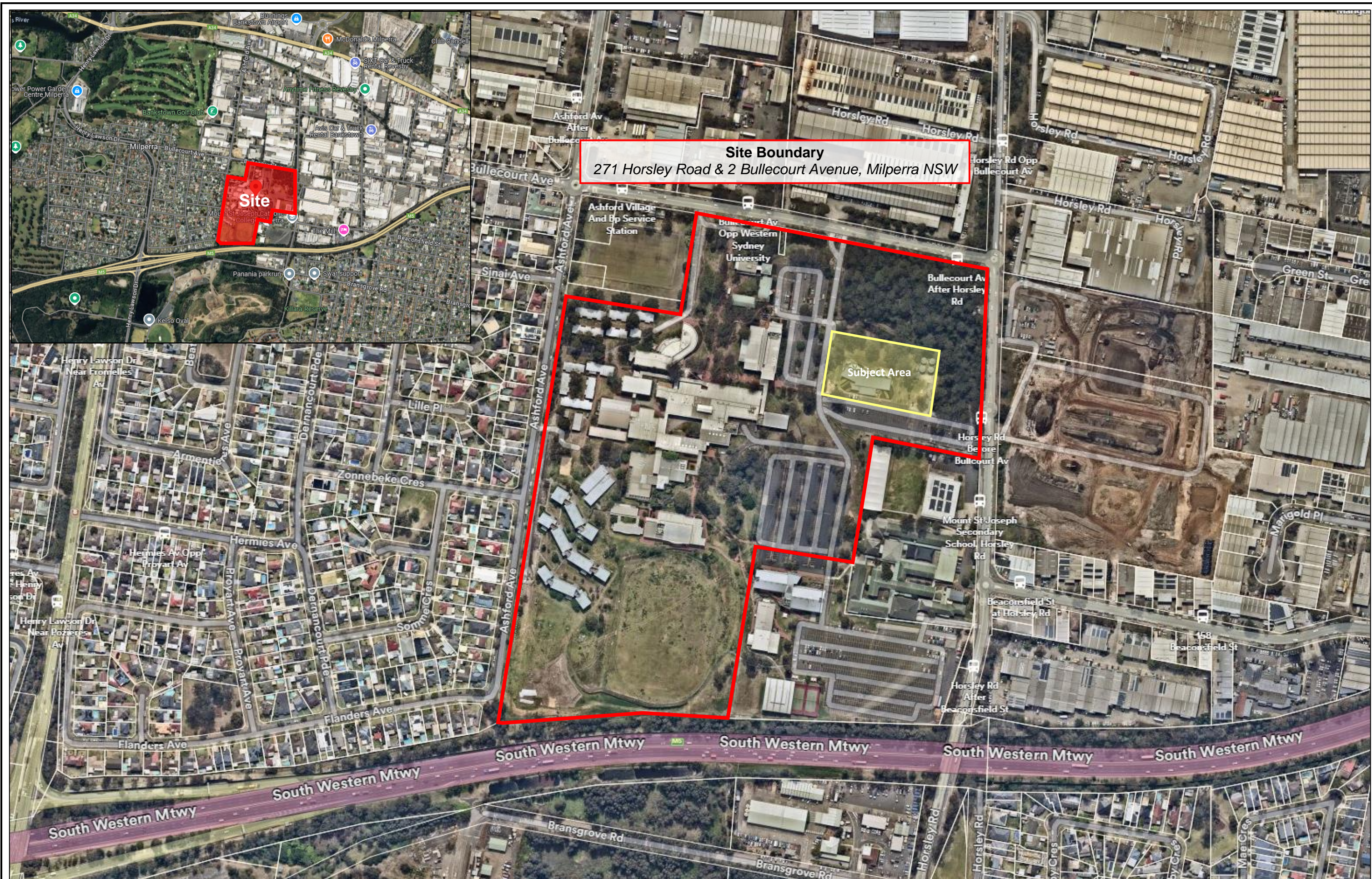
Logs, figures, and drawings are generated for this report based on individual SE consultant interpretations of nominated data, as well as observations made at the time site walkover/s were completed.

Data and/or information presented in this report must not be redrawn for its inclusion in other plans or documents, nor should that data and/or information be separated from this report in any way.

Should additional information that may impact on the findings of this plan be encountered or site conditions change, SE reserves the right to review and amend this plan.



FIGURES





**Sydney
Environmental**
Group

Client Name: Mirvac Pty Ltd
Project Name: Waste management Plan
Project Location: 2 Bullecourt Avenue, Milperra NSW

Site Layout



Figure Number: 2
Figure Date: 20 November 2024
Report Number: 2300-WMP-01-201124.v1f



APPENDIX A

Indicative Development Plans



PROPOSED ALTS & ADDS TO EXSITING CHILDCARE CENTRE

PROJECT REF. NO. #194

MIRVAC

BUILDING 28 WESTERN SYDNEY UNIVERSITY BULLECOURT AVENUE, MIPERRA NSW 2214

ACOUSTIC RECOMMENDATIONS:

ACOUSTIC RECOMMENDATIONS TO BE READ IN CONJUNCTION WITH ENVIRONMENTAL NOISE
IMPACT ASSESSMENT PREPARED BY XXXXXXXX REPORT REF NO. XXXXXX REV X DATED XX, XXXX
XXXX

0.0 NOISE CONTROL RECOMMENDATIONS

NAPPY CHANGE NCC REQUIREMENTS - CLAUSE F4D4 (9)(C)

G) A CLASS 9B EARLY CHILDHOOD CENTRE MUST BE PROVIDED WITH —

(II) ONE BATH, SHOWER OR SHOWER-BATH; AND

(III) IF THE CENTRE ACCOMMODATES CHILDREN YOUNGER THAN 3 YEARS OLD —

(A) A LAUNDRY FACILITY COMPRISING A WASHTUB AND SPACE IN THE SAME ROOM FOR A
WASHING MACHINE; AND

(B) A BENCH TYPE BABY BATH, WHICH IS WITHIN 1 M OF THE NAPPY CHANGE BENCH; AND

(C) A NAPPY CHANGING BENCH WHICH—

(AA) IS WITHIN 1 M OF SEPARATE ADULT HAND WASHING FACILITIES AND BENCH TYPE BABY BATH;
AND

(BB) MUST BE NOT LESS THAN 0.9 M² IN AREA AND AT A HEIGHT OF NOT LESS THAN 850 MM, BUT
NOT MORE THAN 900 MM ABOVE THE FINISHED FLOOR LEVEL; AND

(CC) MUST HAVE A SPACE NOT LESS THAN 800 MM HIGH, 500 MM WIDE AND 800 MM DEEP
FOR THE STORAGE OF STEPS; AND

(DD) IS POSITIONED TO PERMIT A STAFF MEMBER CHANGING A NAPPY TO HAVE VISIBILITY OF THE
PLAY AREA AT ALL TIMES.

NATIONAL CONSTRUCTION CODE 2022 F4D4 FACILITIES IN CLASS 3 TO 9 BUILDINGS

NAPPY CHANGE TABLE (NCT) TO BE DONE IN ACCORDANCE WITH NCC F4D4 (9) (C) (III) (A-D)

CHILD CARE FACILITIES - NCC CLAUSE F4D4

THE FOLLOWING FACILITIES ARE REQUIRED TO CHILDCARE CENTRES:

A KITCHEN WITH SINK, SEPARATE HAND WASHING FACILITIES, SPACE FOR A FRIDGE AND
COOKING FACILITIES

AS THE CENTRE CATERS FOR CHILDREN <5, THE KITCHEN MUST HAVE A GATE OR DOOR THAT
IS CHILD PROOF (1.5m LATCHING)

AS THE CENTRE CATERS FOR CHILDREN <2, THE KITCHEN MUST FACILITATE SUPERVISION
OF THOSE CHILDREN

ONE BATH, SHOWER OR SHOWER/BATH

AS THE CENTRE ACCOMMODATE CHILDREN <3 A LAUNDRY FACILITY COMPRISING OF A
WASHTUB AND SPACE FOR A WASHING MACHINE IN THE SAME ROOM IS REQUIRED

AS THE CENTRE ACCOMMODATES CHILDREN <3 A BENCH-TYPE BABY BATH WHICH IS
WITHIN 1M OF A NAPPY CHANGE TABLE IS REQUIRED

AS THE CENTRE ACCOMMODATES CHILDREN <3, A NAPPY CHANGING BENCH THAT IS WITHIN
1M OF AN ADULT HAND WASH BASIN, BE AT LEAST 0.9m², 850-900mm HIGH AND MUST HAVE
A SPACE NO LESS THAN 800mm(H) X 500mm(W) X 800mm(D) FOR THE STORAGE OF STEPS
AND BE POSITIONED TO ALLOW SUPERVISION OF THE PLAY AREA AT ALL TIMES

SLIP RESISTANCE (IN ACCORDANCE WITH NCC TABLE D3D15 &
SPECIFICATION 27)

1. STAIRS TREADS OR LANDING SURFACE DRY P3 OR R10 OR WET P4 OR R11
2. STAIR COLOUR CONTRAST NOSING DRY P3 OR WET P4
3. RAMPS STEEPER THAN 1:14 GRADIENT DRY P4 PR R11 OR WET P5 OR R12
4. RAMPS STEEPER THAN 1:20 BUT NOT STEEPER THAN 1:14 GRADIENT DRY P3 OR R10 OR
WET P4 OR R11
5. WET AREAS (AS TOILETS, SHOWER OR SIMILAR) P3 OR R10
6. DRY AREA R9

KITCHEN - GENERAL NOTES:

FITOUT OF KITCHEN TO BE IN ACCORDANCE WITH AS 4674-2004 DESIGN, CONSTRUCTION AND
FITOUT OF FOOD PREMISES.

GENERAL REQUIREMENTS

1. PROOF AGAINST PESTS.
2. COOKING APPLIANCES EXCEEDING A TOTAL MAX. POWER INPUT OF 8kW FOR ELECTRICAL,
OR A TOTAL GAS INPUT OF 29MJ/h FOR A GAS APPLIANCE ARE REQUIRED TO HAVE A
KITCHEN EXHAUST SYSTEM INSTALLED IN ACCORDANCE WITH CLAUSE F6D12 OF NCC AND
AS1668, PARTS 1 & 2.
3. HOT WATER SERVICES TO BE POSITIONED 75 MM CLEAR
4. HEATED WATER IN ACCORDANCE WITH AS 3500.4.2
5. WALL OF ALL FOOD PREMISES SHALL BE OF SOLID CONSTRUCTION.
6. CERAMIC FLOOR TILES SHALL BE CLEANABLE, NON-ABSORBENT, EPOXY GROUTED AND
LAID IN ACCORDANCE WITH AS 3958.1
7. THE INTERSECTION OF FLOORS WITH WALLS SHALL MEET THE COVING REQUIREMENT.
8. COVING TILE MINIMUM RADIUS TO BE 25mm.
9. WALLS AND CEILINGS SHALL BE OF SOLID CONSTRUCTION.
10. CEILINGS SHALL BE NON-PERFORATED AND FINISHED FREE OF OPEN JOINS, CRACKS
AND CREVICES.
11. WALL AND CEILING SHALL BE TIGHT JOINTED, SEALED AND DUST PROOF.
12. SEALANTS USED SHALL BE WASHABLE AND OF IMPERVIOUS MATERIAL.
13. WALL AND CEILINGS ARE TO BE OF LIGHT COLOUR.
14. ALL SHELVEING TO BE 25mm OFF WALL.

SERVICES:

SERVICE PIPE CONDUITS AND WIRING SHALL BE CONCEALED IN FLOOR PLINTHS, WALLS AND
CEILING.

SHALL BE FIXED ON BRACKERS WITH 25mm CLERANCE BETWEEN PIPE AND WALL SURFACE.

ALL PENETRATIONS SHALL BE SEALED.

FIXTURES SHALL BE MOVABLE FOR CLEANING.

REFER TO MECHANICAL CONSULTANTS DRAWINGS FOR ALL VENTILATION DETAILS

REFER TO HYDRAULIC CONSULTANTS DRAWINGS FOR AL HYDRAULIC DETAILS AND DISPOSAL
OF WASTE WATER.

REFER TO ELECTRICAL CONSULTANTS DRAWINGS FOR ALL ELECTRICAL DETAILS

HAND WASHING:

HAND BASINS ARE TO BE FREE STANDING AND PROVIDED WITH A SINGLE OUTLET FOR WARM
(40°C) CLEAN POTABLE WATER.

PROVIDE A TOWEL AND SOAP DISPENSER.

A RECEPTACLE FOR USED TOWELS SHALL BE PROVIDED.

ARBORIST RECOMMENDATIONS

ARBORIST RECOMMENDATIONS TO BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT
ASSESSMENT PREPARED BY XXXXXXXXXX REPORT REFERENCE XXXXXXXXXX.

0.0 RECOMMENDATIONS

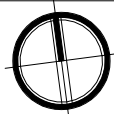
AMENDMENTS:

PROJECT NO.:

D CHILDCARE ALTS & ADDS PRELIM DA FOR COMMENTS
E PRELIMINARY ISSUE FOR CONSULTANTS

22.10.2024
30.10.2024

#194



DA-01

MIRVAC

PROPOSED ALTS & ADDS TO EXSITING CHILDCARE CENTRE

0 1 2m

BUILDING 28 WESTERN SYDNEY UNIVERSITY BULLECOURT AVENUE,
MIFERRA NSW 2214



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PO Box 3371, Wetherill Park, NSW, 2164
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LOCATION PLAN

SCALE 1 : 1000 (A3)

DEVELOPMENT DATA

SITE ADDRESS	BUILDING 28 WESTERN SYDNEY UNIVERSITY BULLECCOURT AVENUE, MIPERRA NSW 2214
SITE AREA	8350m2
ZONE	B1 ZONE - CHILDCARE AND LOCAL CENTER
GFA	661.07m2
FSR	0.08:1
DEEP SOIL LANDSCAPED AREA	TBC
TOTAL NO. OF CHILDREN	95 PLACEMENTS

PARKING	
PARKING SPACES REQUIRED	24 SPACES
TOTAL PARKING SPACES PROVIDED	26 SPACES

Sheet List			
Sheet Number	Sheet Name	Revision	Revision Date
DA-00	Cover		
DA-01	Notes	E	30.10.2024
DA-02	Location Plan	E	30.10.2024
DA-03	Site Analysis	E	30.10.2024
DA-04	Existing Site Plan	E	30.10.2024
DA-05	Proposed Site Plan	E	30.10.2024
DA-06	Existing Ground Floor Plan	E	30.10.2024
DA-07	Demolition Plan	E	30.10.2024
DA-08	Proposed Ground Floor Plan	E	30.10.2024
DA-09	Roof Plan - Existing	E	30.10.2024
DA-10	East & West Elevation	E	30.10.2024
DA-11	North Elevation	E	30.10.2024
DA-12	South Elevation	E	30.10.2024
DA-13	Section A	E	30.10.2024
DA-14	Section B	E	30.10.2024
DA-15	GFA Calculation Plan	E	30.10.2024
DA-16	Playspace Calculation Plan	E	30.10.2024

AMENDMENTS: PROJECT NO.:

A	CONCEPTUAL ISSUE FOR COMMENTS	22.12.2023
B	REVISED CONCEPT ISSUED FOR COMMENTS	26.02.2023
C	REVISED SALES & FOOD PREMISES CONCEPT	29.05.2024
D	CHILDCARE ALTS & ADDS PRELIM DA FOR COMMENTS	22.10.2024
E	PRELIMINARY ISSUE FOR CONSULTANTS	30.10.2024

#194

MIRVAC

PROPOSED ALTS & ADDS TO EXSITING CHILDCARE CENTRE

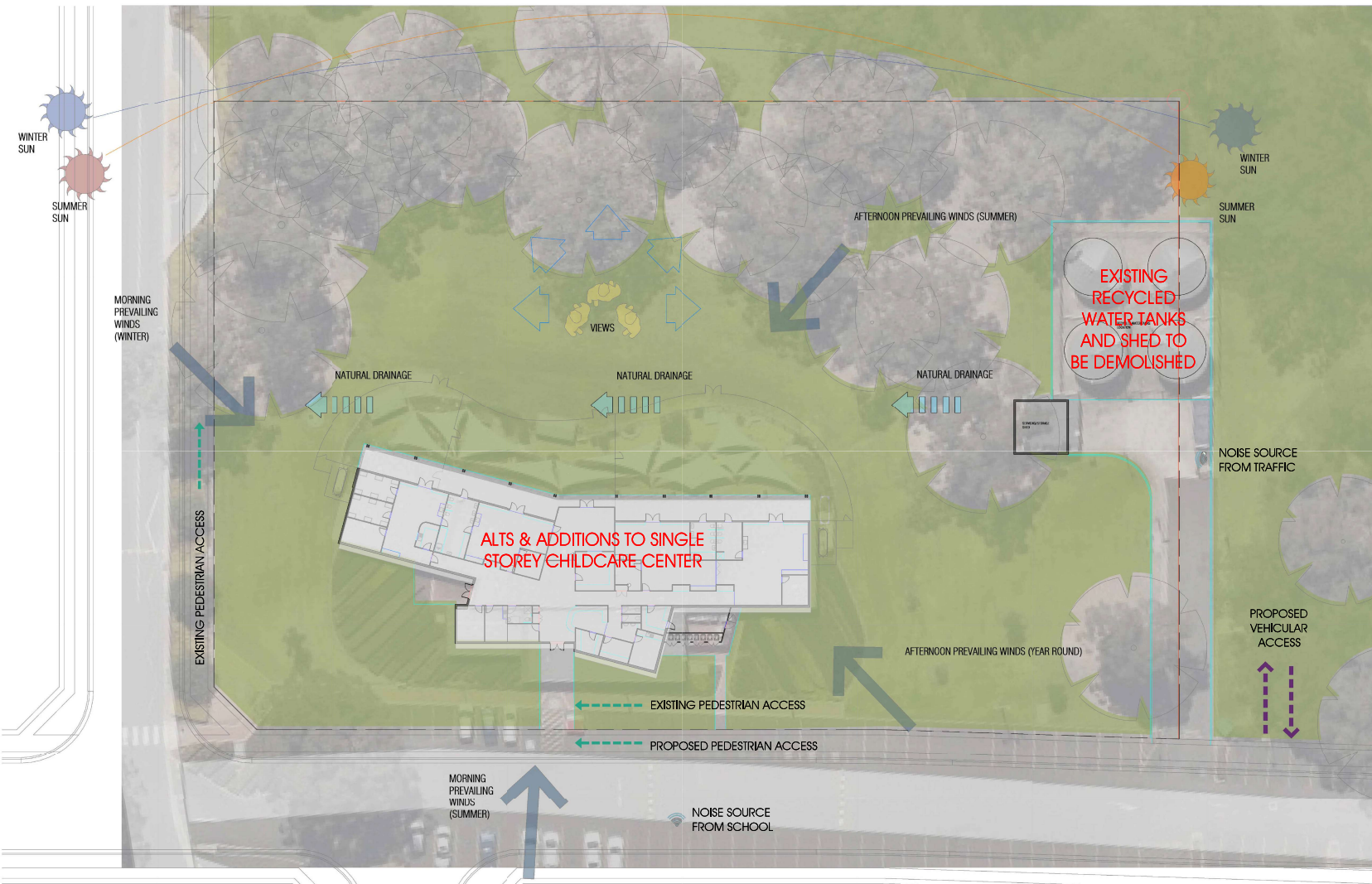
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BUILDING 28 WESTERN SYDNEY UNIVERSITY BULLECCOURT AVENUE, MIPERRA NSW 2214

DA-02

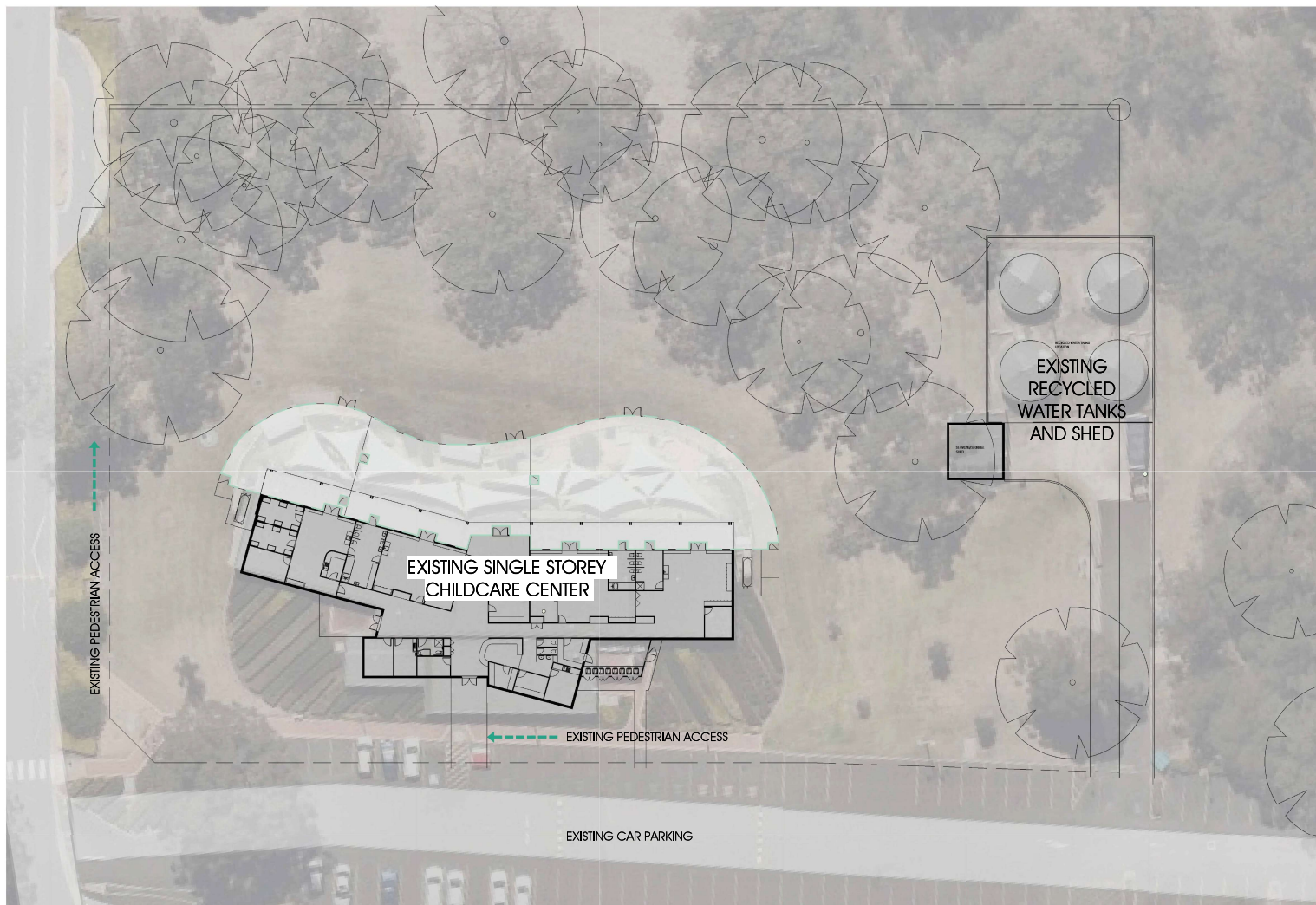
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ACCREDITED
BUILDING DESIGNER



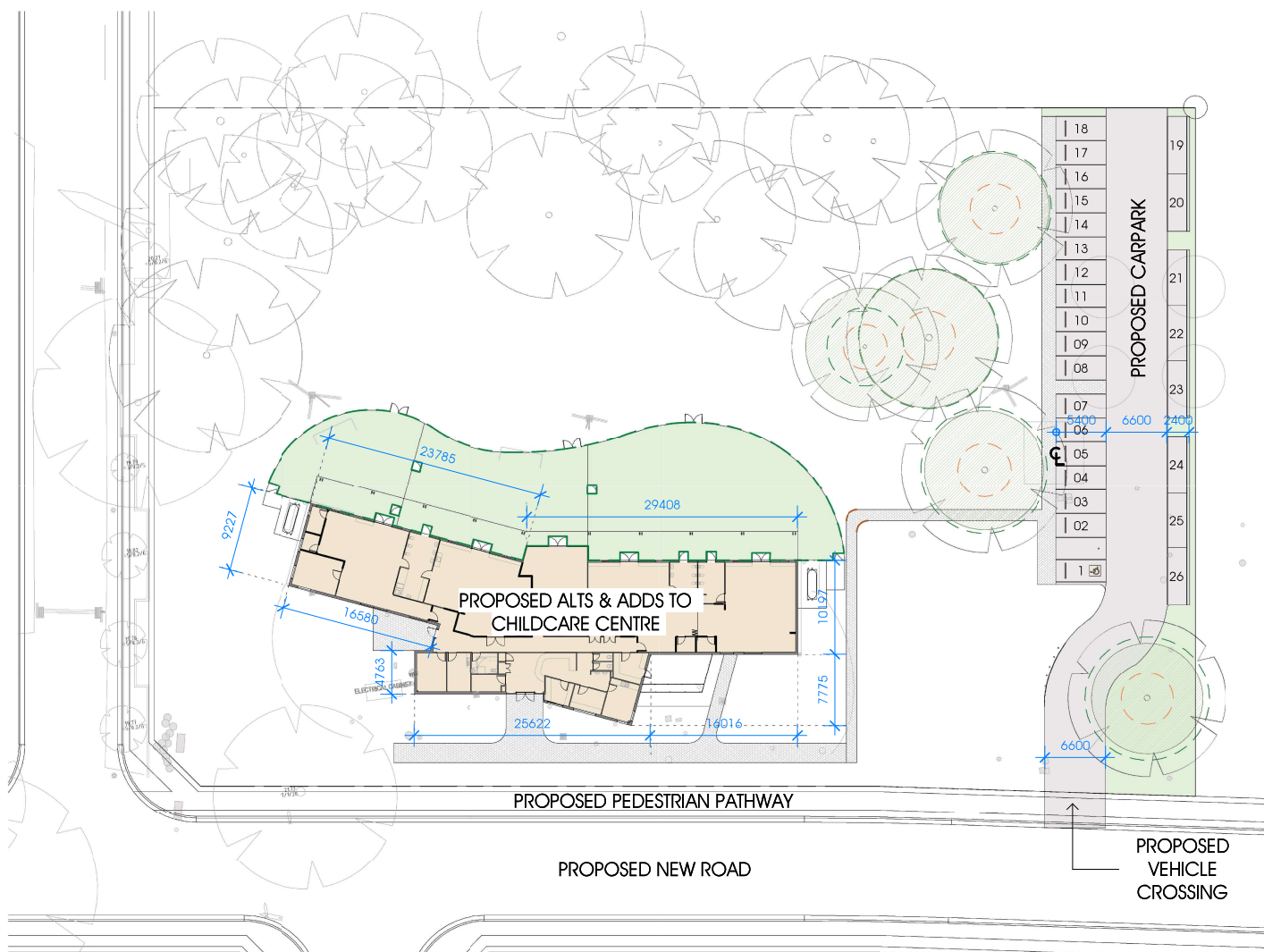
SITE ANALYSIS PLAN

SCALE 1 : 500 (A3)



EXISTING SITE PLAN

SCALE 1 : 500 (A3)



PROPOSED SITE PLAN

SCALE 1 : 500 (A3)

PARKING SCHEDULE

ACCESSIBLE	1
STAFF	13
VISITOR	12
TOTAL CARPARKING SPACES	26

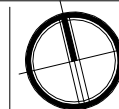
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DA-05

MIRVAC

PROPOSED ALTS & ADDS TO EXISTING CHILDCARE CENTRE

0 1 2m

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EXISTING STORAGE CALCULATIONS

Name	Area Provided	Volume
EXTERNAL STORAGE		
STORE 01	14,3 m ²	34,86 m ³
INTERNAL STORAGE		
STORE 01	8,94 m ²	21,80 m ³
STORE 02	8,69 m ²	21,20 m ³
STORE 03	10,53 m ²	25,67 m ³
TOTAL	42,46 m²	103,53 m³

EXISTING PLAYROOM AREA CALCULATIONS

Name	Comments	Staff Ratios	No. of Staff	Area Required	Area Provided
INTERNAL PLAYAREA					
PLAYROOM 01	12 X 0-2 YRS OLD	1:4	3	39	43,35 m ²
PLAYROOM 02	15 X -3 YRS OLD	1:5	3	48,75	51,11 m ²
PLAYROOM 03	20 X 3-4 YRS OLD	1:10	2	65	66,09 m ²
PLAYROOM 04	20 X 4-5 YRS OLD	1:10	2	65	70,91 m ²
INTERNAL PLAYAREA			10	217,75	231,46 m²
EXTERNAL PLAYAREA					
EXTERNAL PLAYAREA 01	12 CHILDREN			84	96,64 m ²
EXTERNAL PLAYAREA 02	15 CHILDREN			105	187,12 m ²
EXTERNAL PLAYAREA 03	40 CHILDREN			280	274,32 m ²
EXTERNAL PLAYAREA			0	469	558,08 m²



GROUND FLOOR EXISTING

SCALE 1 : 200 (A3)

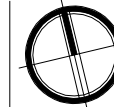
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DA-06

MIRVAC

PROPOSED ALTS & ADDS TO EXISTING CHILDCARE CENTRE

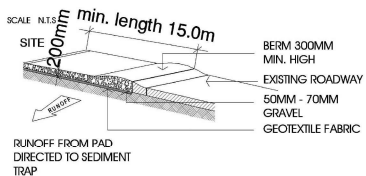
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BUILDING 28 WESTERN SYDNEY UNIVERSITY BULLECOURT AVENUE,
MIFERRA NSW 2214



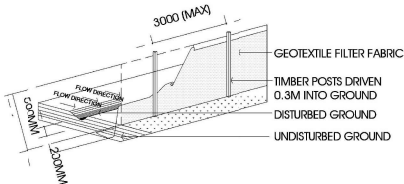
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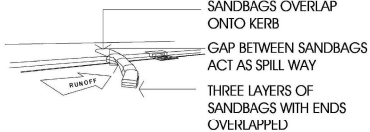
TEMPORARY CONSTRUCTION EXIT DETAIL

SCALE: NTS



SEDIMENT FENCE DETAIL

SCALE: NTS



SANDBAG KERB INLET TRAP

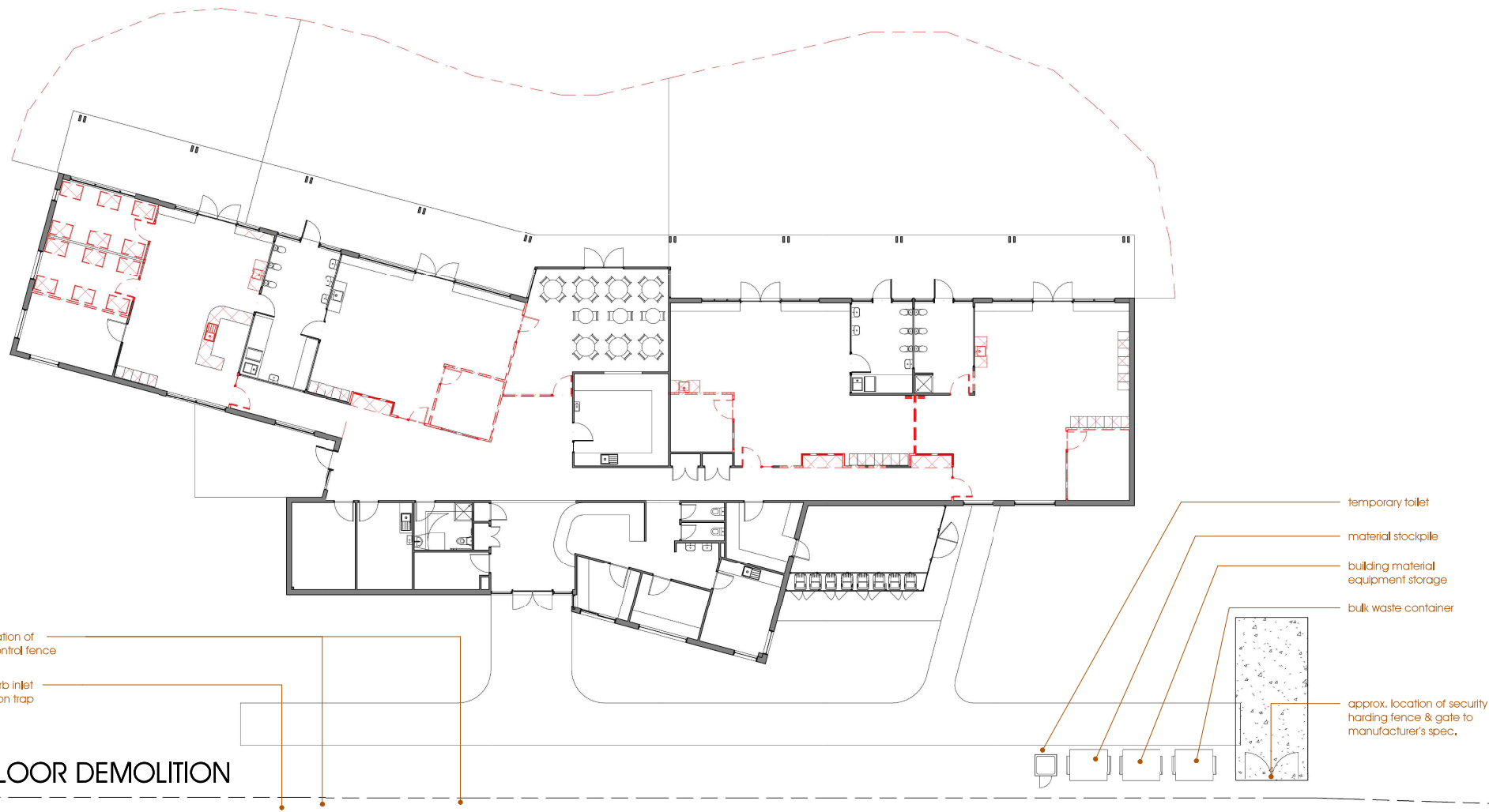
SCALE: NTS

LEGEND

- EXISTING WALLS
- ITEMS TO BE DEMOLISHED
- TO BE DEMOLISHED

SEDIMENT CONTROL NOTES

1. ALL EROSION AND SEDIMENTATION CONTROL MEASURES, INCLUDING REVEGETATION AND STORAGE OF SOIL AND TOPSOIL, SHALL BE IMPLEMENTED TO THE STANDARDS OF THE SOIL CONSERVATION OF NSW.
2. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILIZED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
3. SEDIMENT TRAPS SHALL BE CONSTRUCTED AROUND ALL INLET PITS, CONSISTING OF 300MM WIDE X 300MM DEEP TRENCH.
4. ALL SEDIMENT BASINS AND TRAPS SHALL BE CLEANED WHEN THE STRUCTURES ARE A MAXIMUM OF 60% FULL OF SOIL MATERIALS, INCLUDING THE MAINTENANCE PERIOD.
5. ALL DISTURBED AREAS SHALL BE REVEGETATED AS SOON AS THE RELEVANT WORKS ARE COMPLETED. SOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM
6. DRAINAGE LINES AND AREA WHERE WATER MAY CONCENTRATE.
7. FILTER SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR APPROVED EQUIVALENT BETWEEN POST AT 3.0M CENTRES. FABRIC SHALL BE BURIED 150MM ALONG ITS LOWER EDGE.



GROUND FLOOR DEMOLITION

SCALE 1 : 200 (A3)

AMENDMENTS:

PROJECT NO.:



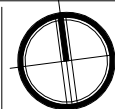
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D CHILD CARE ALTS & ADDS PRELIM DA FOR COMMENTS
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22.10.2024
30.10.2024

#194



DA-07

MIRVAC

PROPOSED ALTS & ADDS TO EXISTING CHILD CARE CENTRE

BUILDING 28 WESTERN SYDNEY UNIVERSITY BULLECOURT AVENUE,
MIPERRA NSW 2214

PROPOSED INTERNAL PLAYROOM CALCULATIONS

Name	Comments	Staff Ratios	No. of Staff	Area Required	Area Provided
PLAYROOM 01	20 X 0-2 YRS OLD	1:4	5	65	70,11 m ²
PLAYROOM 02	25 X 2-3 YRS OLD	1:5	5	81,25	81,73 m ²
PLAYROOM 03	25 X 3-4 YRS OLD	1:10	3	81,25	81,72 m ²
PLAYROOM 04	25 X 4-5 YRS OLD	1:10	3	81,25	81,41 m ²
TOTAL			16	308,75	314,96 m²

PROPOSED EXTERNAL PLAYROOM CALCULATIONS

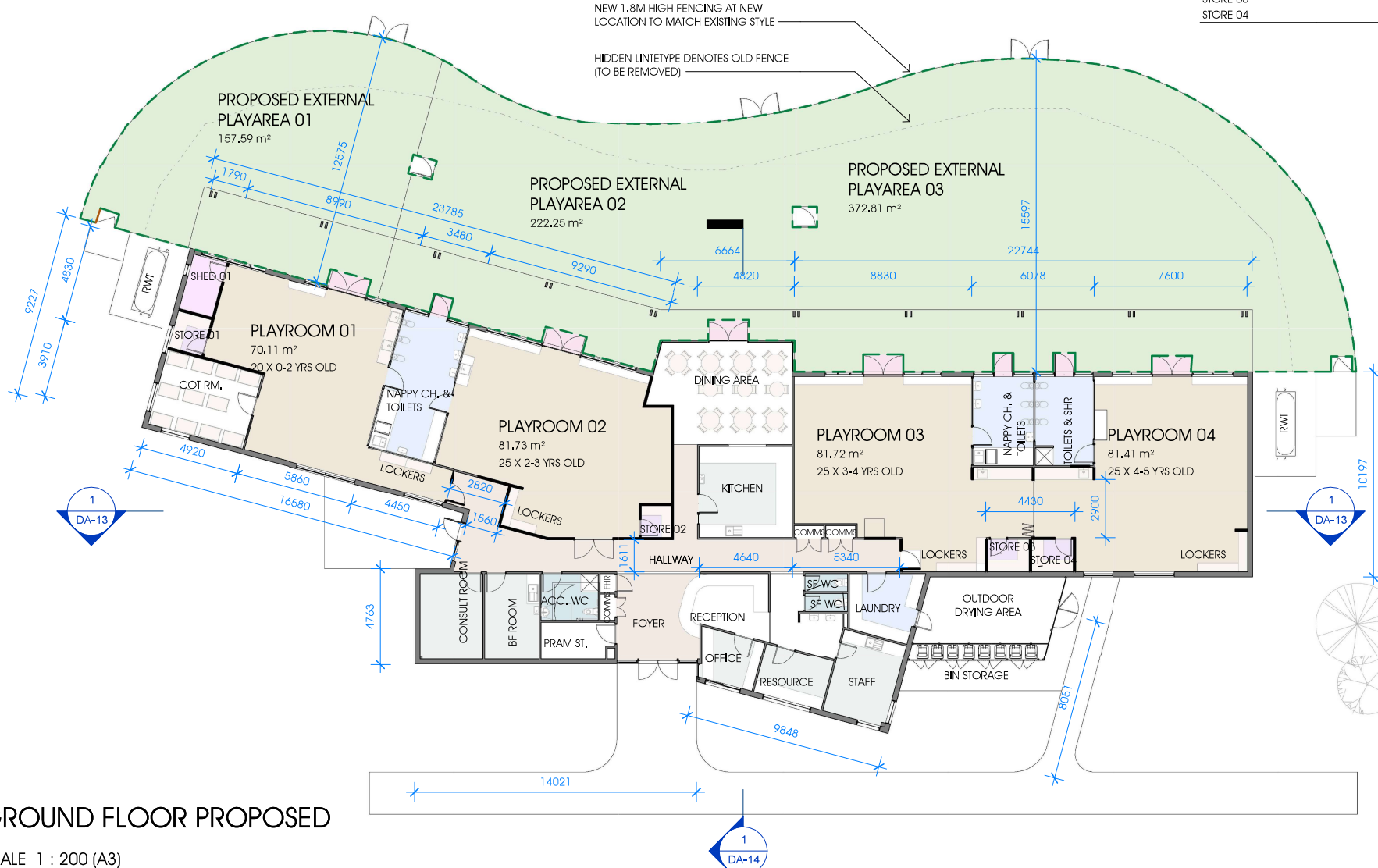
Name	Comments	Area Required	Area Provided
PROPOSED EXTERNAL PLAYAREA 01	20 CHILDREN	140	157,59 m ²
PROPOSED EXTERNAL PLAYAREA 02	25 CHILDREN	175	222,25 m ²
PROPOSED EXTERNAL PLAYAREA 03	50 CHILDREN	350	372,81 m ²
TOTAL		665	752,65 m²

PROPOSED STORAGE CALCULATIONS

Name	Area Provided	Volume
EXTERNAL STORAGE		
SHED 01	4,79 m ²	10,07 m ³
INTERNAL STORAGE		
STORE 01	3,26 m ²	6,85 m ³
STORE 02	2,42 m ²	5,07 m ³
STORE 03	3,35 m ²	7,03 m ³
STORE 04	3,35 m ²	7,03 m ³
TOTAL	12,38 m²	25,99 m³

PARKING SCHEDULE

ACCESSIBLE	1
STAFF	13
VISITOR	12
TOTAL CARPARKING SPACES	26



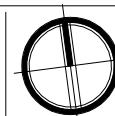
GROUND FLOOR PROPOSED

SCALE 1 : 200 (A3)

AMENDMENTS:

PROJECT NO.:

#194



DA-08

MIRVAC

PROPOSED ALTS & ADDS TO EXISTING CHILDCARE CENTRE

BUILDING 28 WESTERN SYDNEY UNIVERSITY BULLECOURT AVENUE,
MIPERRA NSW 2214

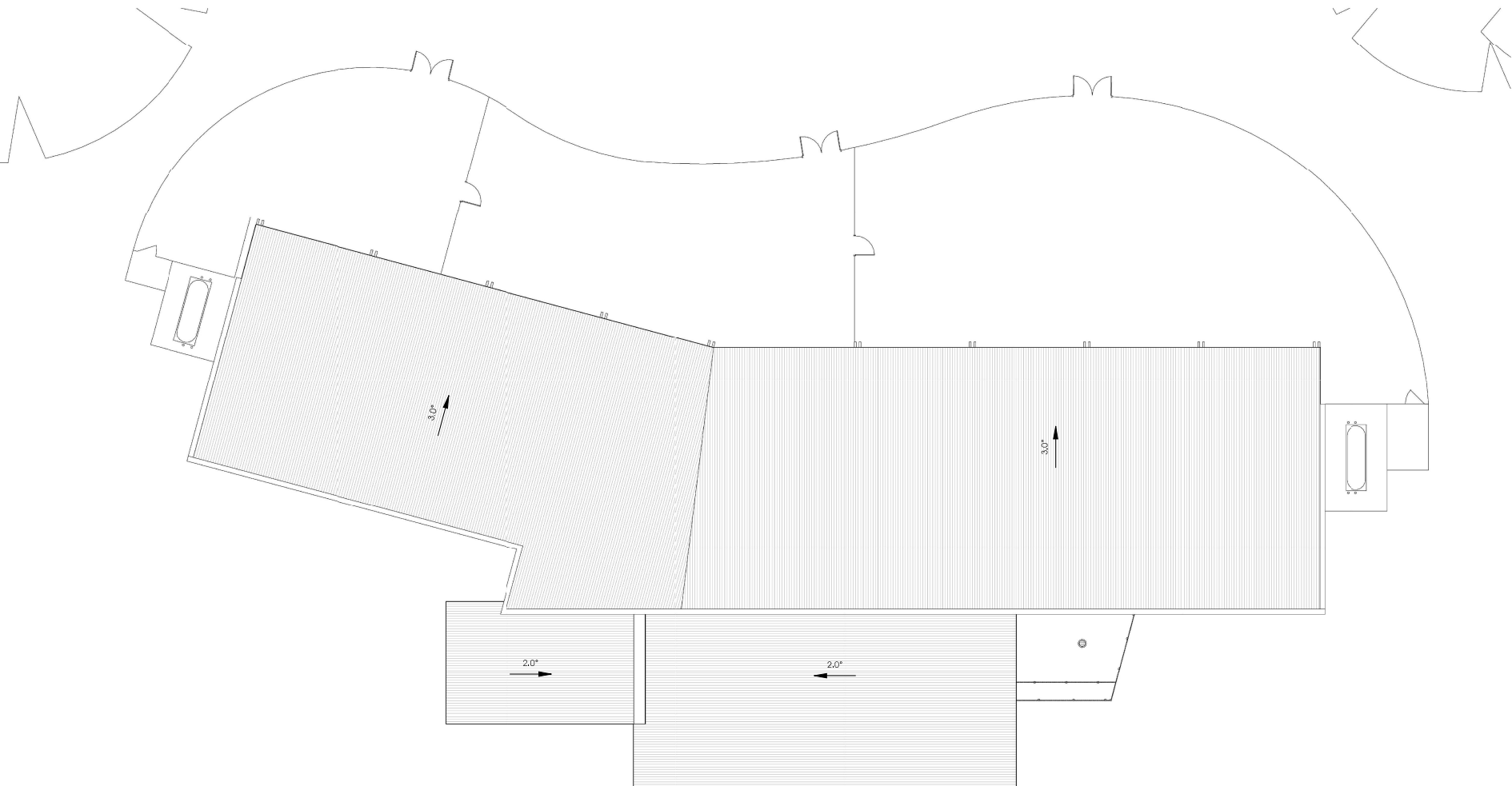


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ROOF PLAN - EXISTING

SCALE 1 : 200 (A3)

NOTE: NO PROPOSED CHANGES TO ROOF



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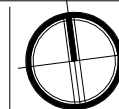
D CHILD CARE ALTS & ADDS PRELIM DA FOR COMMENTS
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AMENDMENTS:

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30.10.2024

PROJECT NO.:

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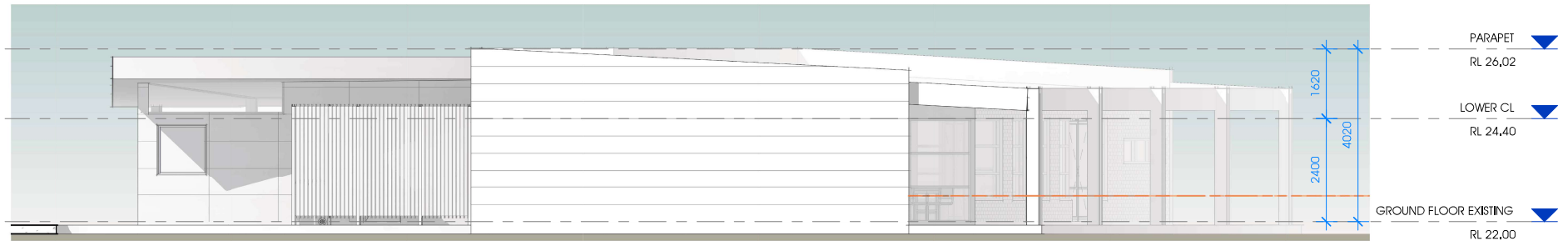


DA-09

MIRVAC

PROPOSED ALTS & ADDS TO EXISTING CHILD CARE CENTRE

0 1 2m
BUILDING 28 WESTERN SYDNEY UNIVERSITY BULLECOURT AVENUE,
MIPERRA NSW 2214



EXISTING EAST ELEVATION

SCALE 1 : 100 (A3)



EXISTING WEST ELEVATION

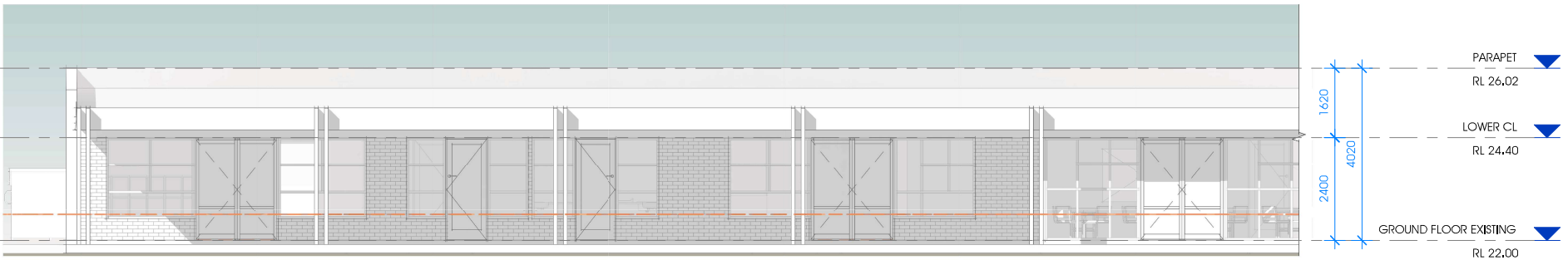
SCALE 1 : 100 (A3)

NOTE: NO PROPOSED CHANGES TO EXTERNAL ELEVATIONS



EXISTING NORTH ELEVATION - WHOLE

SCALE 1 : 200 (A3)



EXISTING NORTH ELEVATION - PART 1

SCALE 1 : 100 (A3)



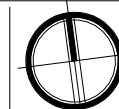
EXISTING NORTH ELEVATION - PART 2

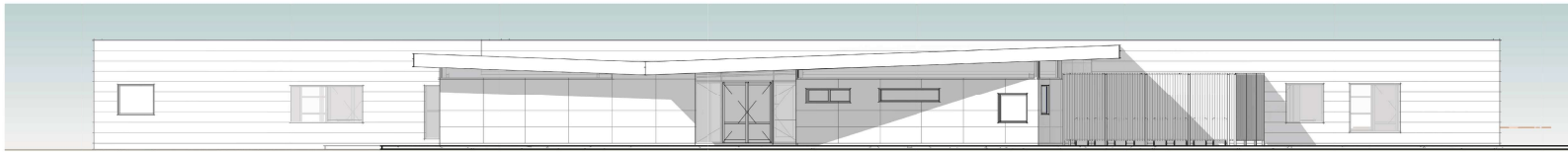
SCALE 1 : 100 (A3)

NOTE: NO PROPOSED CHANGES TO EXTERNAL ELEVATIONS

AMENDMENTS:

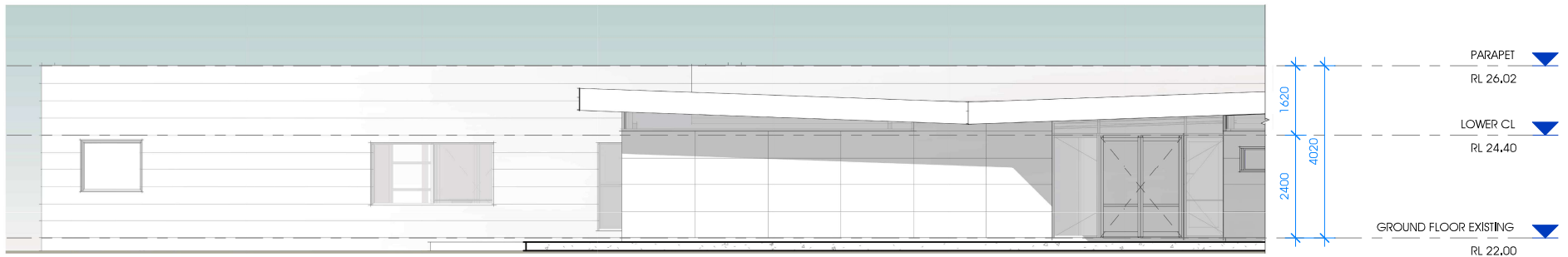
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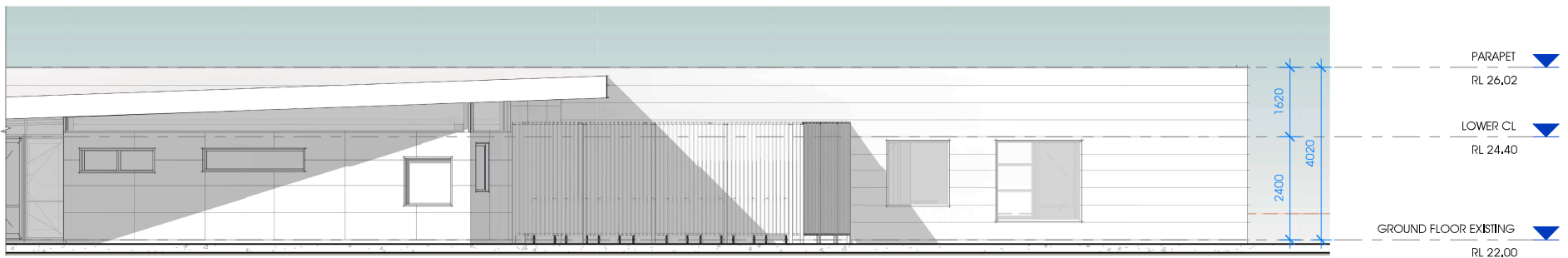
EXISTING SOUTH ELEVATION - WHOLE

SCALE 1 : 200 (A3)



EXISTING SOUTH ELEVATION - PART 1

SCALE 1 : 100 (A3)



EXISTING SOUTH ELEVATION - PART 2

SCALE 1 : 100 (A3)

NOTE: NO PROPOSED CHANGES TO EXTERNAL ELEVATIONS



SECTION A (LONG) - EXISTING

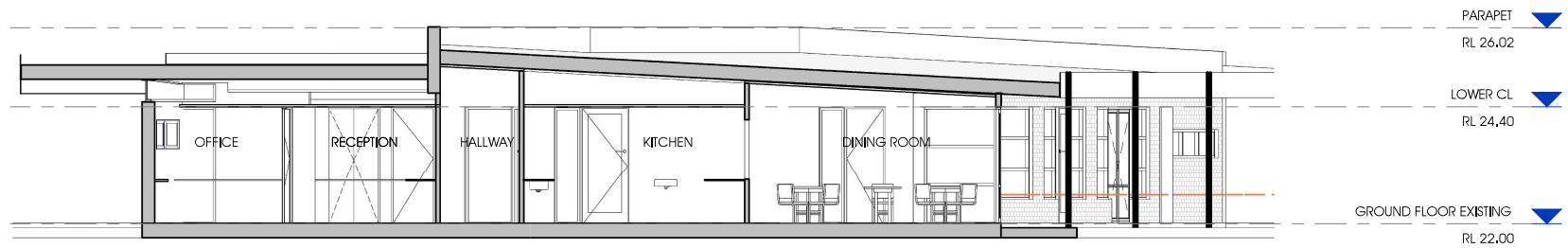
SCALE 1 : 100 (A3)



SECTION A (LONG) - PROPOSED

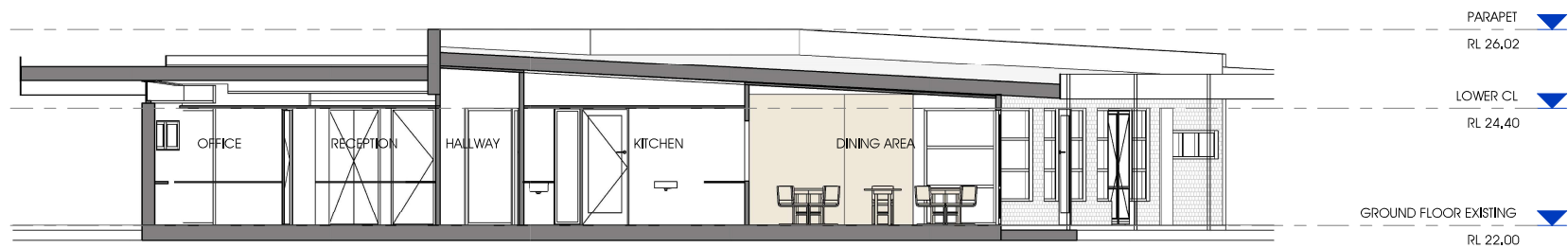
SCALE 1 : 100 (A3)

LEGEND	
	PROPOSED ALTERATIONS
	EXISTING BUILDING





SECTION B (SHORT) - EXISTING

SCALE 1 : 100 (A3)



SECTION B (SHORT) - PROPOSED

SCALE 1 : 100 (A3)

LEGEND	
	PROPOSED ALTERATIONS
	EXISTING BUILDING

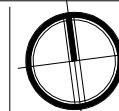
AMENDMENTS:

PROJECT NO.:

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DA-14



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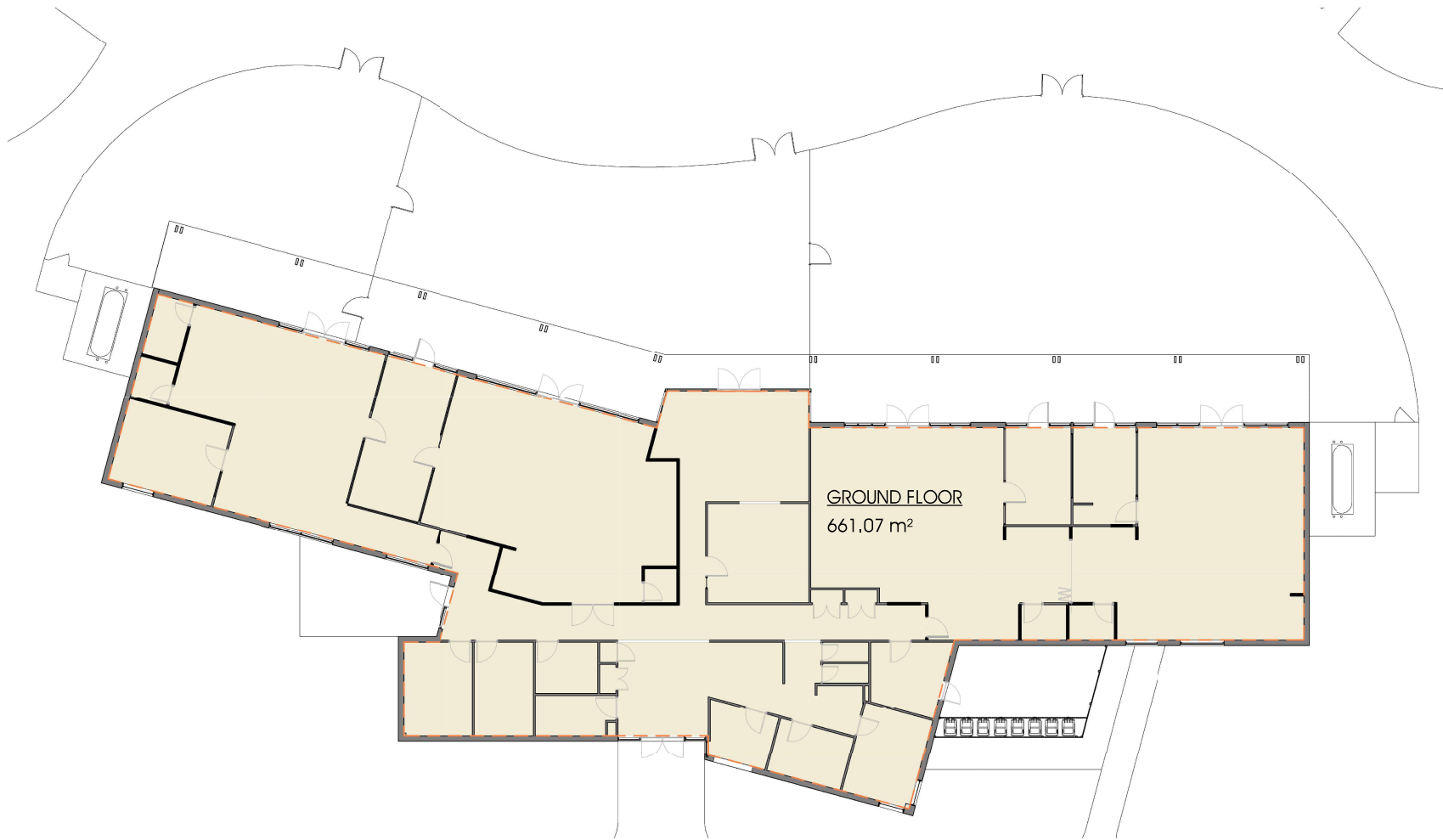


ACCREDITED
BUILDING DESIGNER

MIRVAC

PROPOSED ALTS & ADDS TO EXISTING CHILDCARE CENTRE

BUILDING 28 WESTERN SYDNEY UNIVERSITY BULLECOURT AVENUE,
MIPERRA NSW 2214



GROUND FLOOR EXISTING

SCALE 1 : 200 (A3)

GFA CALCULATION

GROUND FLOOR	661.07 m²
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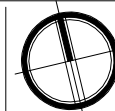
AMENDMENTS:

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DA-15

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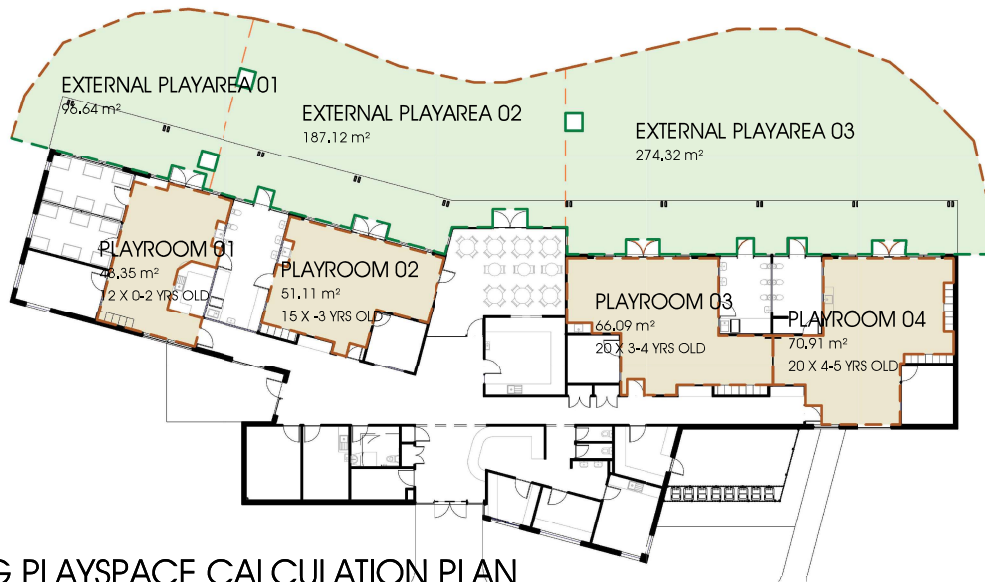
PROPOSED ALTS & ADDS TO EXISTING CHILD CARE CENTRE

0 1 2m

BUILDING 28 WESTERN SYDNEY UNIVERSITY BULLECOURT AVENUE,
MIFERRA NSW 2214

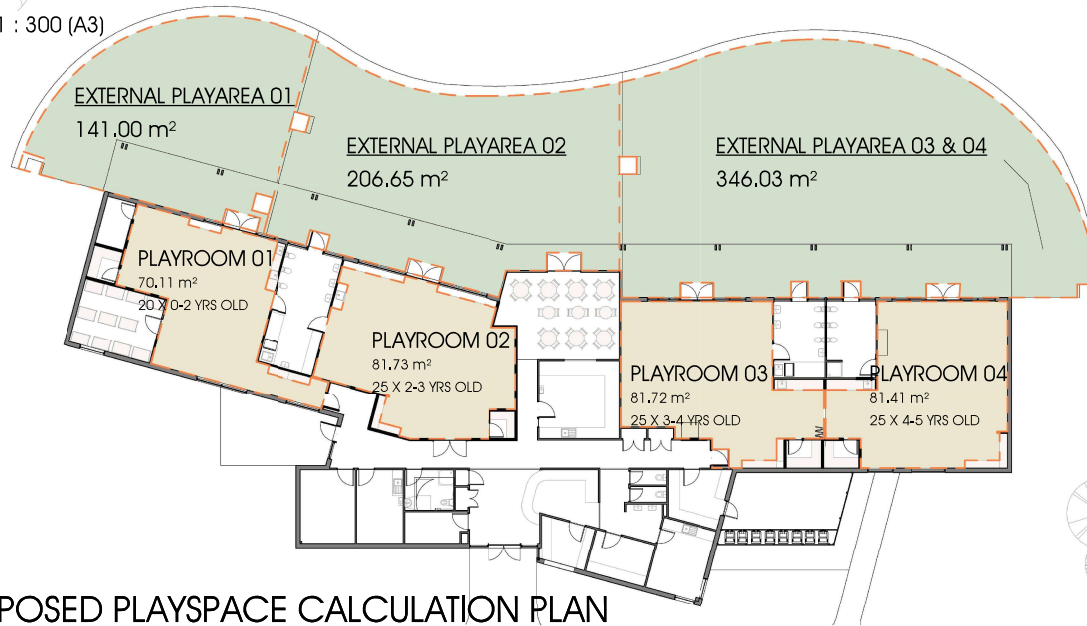
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EXISTING PLAYSPACE CALCULATION PLAN

SCALE 1 : 300 (A3)



PROPOSED PLAYSPACE CALCULATION PLAN

SCALE 1 : 300 (A3)

EXISTING PLAYROOM AREA CALCULATIONS

Name	Comments	Staff Ratios	No.of Staff	Area Required	Area Provided
INTERNAL PLAYAREA					
PLAYROOM 01	12 X 0-2 YRS OLD	1:4	3	39	43.35 m²
PLAYROOM 02	15 X -3 YRS OLD	1:5	3	48.75	51.11 m²
PLAYROOM 03	20 X 3-4 YRS OLD	1:10	2	65	66.09 m²
PLAYROOM 04	20 X 4-5 YRS OLD	1:10	2	65	70.91 m²
INTERNAL PLAYAREA			10	217.75	231.46 m²
EXTERNAL PLAYAREA					
EXTERNAL PLAYAREA 01	12 CHILDREN			84	96.64 m²
EXTERNAL PLAYAREA 02	15 CHILDREN			105	187.12 m²
EXTERNAL PLAYAREA 03	40 CHILDREN			280	274.32 m²
EXTERNAL PLAYAREA			0	469	558.08 m²

PROPOSED INTERNAL PLAYROOM CALCULATIONS

Name	Comments	Staff Ratios	No.of Staff	Area Required	Area Provided
PLAYROOM 01	20 X 0-2 YRS OLD	1:4	5	65	70.11 m²
PLAYROOM 02	25 X 2-3 YRS OLD	1:5	5	81.25	81.73 m²
PLAYROOM 03	25 X 3-4 YRS OLD	1:10	3	81.25	81.72 m²
PLAYROOM 04	25 X 4-5 YRS OLD	1:10	3	81.25	81.41 m²
TOTAL			16	308.75	314.96 m²

PROPOSED EXTERNAL PLAYAREA SCHEDULE2

Name	Comments	Area Required	Area Provided
EXTERNAL PLAYAREA 01	20 CHILDREN	140.00	141 m²
EXTERNAL PLAYAREA 02	25 CHILDREN	175.00	207 m²
EXTERNAL PLAYAREA 03 & 04	50 CHILDREN	350.00	346 m²
TOTAL EXTERNAL PLAYAREA		665.00	694 m²

AMENDMENTS:

PROJECT NO.:



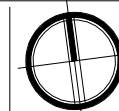
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30.10.2024

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DA-16

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PROPOSED ALTS & ADDS TO EXISTING CHILDRENS CENTRE

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