



2 May 2024

General Manager
Northern Beaches Council
PO Box 82
Manly NSW 1655

Dear Sir/Madam,

723-727 Warringah Road, Forestville NSW 2153

1. I have been requested by NAPLA Forestville Pty Ltd (the owner of the site at the above address) to carry out a traffic engineering assessment for the proposed modification of the development consent. The proposed modification involves an increase in the number of children places from 146 to 152 at a child care centre located at the site. My assessment is outlined below.
2. The following approvals are relevant to the subject child care centre
 - 2.1. DA2018/0697
 - 2.2. MOD2020/0575
 - 2.3. Mod2021/0859
3. The latest approved plan of the car park is attached to this report. It shows 37 car parking spaces and one service bay, suitable for utility vehicles, vans and small waste collection trucks (as per the above approvals).
4. The child care centre is currently under construction and will be in operation in the near future.
5. Warringah Development Control Plan 2011 (WDCP) sets out the following car parking requirement generally and for child care centres specifically.

4. Carparking is to be provided in accordance with Appendix 1 which details the rate of car parking for various land uses. Where the carparking rate is not specified in Appendix 1 or the WLEP, carparking must be adequate for the development having regard to the objectives and requirements of this clause. The rates specified in the Roads and Traffic Authority's Guide to Traffic Generating Development should be used as a guide where relevant.

| Health and community services | |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Use | Requirement |
| Child care centre | 1 space for every 4 children, having regard to the maximum number of children authorised to be cared for at any particular time. |

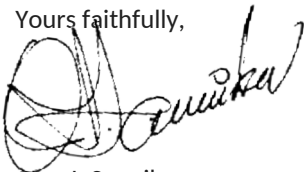
6. Based on the DCP car parking rate of 1 space for every 4 children, the proposed 152 children places require the provision of 38 car parking spaces.
7. The approved design provides 38 car parking spaces with one of them being a designated service/waste collection bay.
8. It is proposed that this space be converted to a standard visitor (drop-off/pick-up) space for the peak hours of parking demand, with the waste collection hours restricted to before and after the operating hours and between 11 a.m. and 2 p.m.
9. The proposed arrangement will provide 38 car parking spaces to satisfy the WDCP requirements for 152 children places during peak hours.

- TRAFFIC & PARKING STUDIES AND MANAGEMENT
- TRAFFIC IMPACT ASSESSMENTS
- INTERSECTION AND NETWORK MODELLING
- ENVIRONMENTAL IMPACT ASSESSMENT OF ROADS, TRAFFIC AND TRANSPORT OPERATIONS
- ROAD AND TRAFFIC NOISE
- ROAD SAFETY STUDIES
- TRAFFIC & PARKING SURVEYS
- CAR PARK DESIGN
- INTERSECTION DESIGN
- TRAFFIC ACCIDENT INVESTIGATION
- TRAFFIC ACCIDENT RECONSTRUCTION
- RESEARCH AND DEVELOPMENT
- EXPERT WITNESSES

10. The proposed arrangement is satisfactory for the following reasons.
 - 10.1. The proposed mixed use of one space will be included in the Plan of Management (POM). Appropriate signposting will be installed ("Loading bay 11 am to 2 pm").
 - 10.2. Waste collection and servicing will be carried out by private contractors who will be required to adhere to the POM.
 - 10.3. The proposed arrangement helps to optimise the use of the car parking areas and for this reason it is quite common at child care centres.
 - 10.4. Surveys at existing child care centres demonstrate that the peak parking demand typically occurs between 7 a.m. and 10 a.m. and also between 3 p.m. and 6 p.m., when most children are delivered or collected by parents/carers. Outside these times, the parking demand is generated mostly by staff (which is in the order of 50% to 60% of the peak parking demand), with reduced visitor parking. In the child care centre car parks which operate to full capacity during the peak periods, vacant spaces can always be found between the peaks.
 - 10.5. It is also important to note that the DCP rate of 1 space per 4 children appears to be based on the RMS (TfNSW) rate contained in the 2002 Guide to Traffic Generating Developments (GTGD). The GTGD rate is based on the surveys conducted in 1992. This trip generation and parking demand data, collected 30 years ago, is becoming increasingly out-of-date. In view of this, in 2015, the NSW RMS commissioned TEF Consulting to conduct a validation survey of the trip and parking generation of child care centres. The results of our research indicated that larger child care centres required less parking per child (due to economies of scale and a wider spread of children arrivals and departures). For child care centres with 70 to 100 children, the estimated average parking rate was 1 space per 6 children. The relevant pages from the RMS (TEF) report are attached to this document. The full report can be found using the following [weblink](#).
 - 10.6. Based on the rate of 1 space per 6 children, the total car parking required for the subject child care centre is $152/6 = 25.3$, say 26 spaces. Both the approved (37) and the proposed (38) numbers of parking spaces are more than sufficient to accommodate the likely actual parking demand.
 - 10.7. As noted in paragraph 5 of this report, WDCP states that "The rates specified in the Roads and Traffic Authority's Guide to Traffic Generating Development should be used as a guide where relevant."
 - 10.8. It should be taken into account that the GTGD is currently under review and the revised document, titled "[Guide to Transport Impact Assessment](#)" (GTIA) has been published as a Draft for industry consultation. The new GTIA contains the updated parking rates for child care centres based on the research mentioned in paragraph 10.5.
11. The additional 6 children places will generate 4 to 5 vehicular trips per hour. This is a very minor addition. The total trip generation will remain well within the capacity of the car park access driveway. There will be no negative traffic impacts on the road network operation.
12. The proposal can thus be supported on traffic and parking grounds.

Please do not hesitate to contact the undersigned should you require further information.

Yours faithfully,



Oleg I. Sannikov
Director
MEngSc (Traffic Engineering)
MIEAust PEng
Fellow & Past President, NSW & ACT AITPM
Member, CE-001 Committee (development of parking Standards), Standards Australia
Member, Road Safety Panel, IPWEA

northern beaches council

THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT

MOD2021/0859

| INDOOR PLAY SPACES CAPACITY | | | |
|-----------------------------|---------|--------------------------|------------|
| AGE GROUP | ROOM NO | AREA | PLACES |
| 0-1 YEAR | ROOM D1 | 49 m ² | 15 |
| 1-2 YEARS | ROOM D2 | 66 m ² | 20 |
| 2-3 YEARS | ROOM D3 | 49 m ² | 15 |
| 2-3 YEARS | ROOM D4 | 49 m ² | 15 |
| 3-4 YEARS | ROOM D5 | 65 m ² | 20 |
| 4-5 YEARS | ROOM D6 | 98 m ² | 30 |
| SCHOOL-READINESS | ROOM D7 | 98 m ² | 30 |
| TOTAL PLACES | | 475 m² | 146 |

| OUTDOOR PLAY SPACE CAPACITY | | | |
|-----------------------------|------------|---------------------------|------------|
| AGE GROUP | SPACE NO | AREA | PLACES |
| 0-2 YEARS | OUTDOOR D1 | 208 m ² | 30 |
| 3-5 YEARS | OUTDOOR D2 | 676 m ² | 97 |
| SCHOOL-READINESS | OUTDOOR D3 | 141 m ² | 20 |
| TOTAL PLACES | | 1025 m² | 146 |

TOTAL CAPACITY OF THE PROPOSED CENTRE IS 146 PLACES

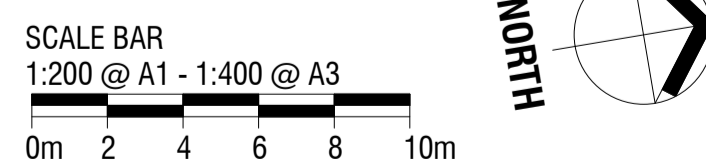
| OVERALL GFA | APPROVED | PROPOSED |
|--------------|------------------------------|------------------------------|
| GROUND | 46.04m ² | 99.33m ² |
| LEVEL 1 | 312.73m ² | 220.44m ² |
| LEVEL 2 | 741.59m ² | 753.87m ² |
| TOTAL | 1,100.36m² | 1,073.64m² |

NOTE:
EXTERNAL ENVELOPE OF THE PROPOSED BUILDING REMAINS UNCHANGED.
THE EXTENT OF EXCAVATION HAS BEEN AMENDED COVER WAS REMOVED TO THE EXTENT POSSIBLE OVER THE LEVEL 1 OUTDOOR SPACE AND THE WESTERLY GLAZED WALL IS PROPOSED AS A BALUSTRADE.

| PROVISION OF SHADED / COVERED SPACE | |
|----------------------------------------------|---------------------|
| TOTAL OUTDOOR SPACE | 1,023m ² |
| 512m ² SHADED AREA REQUIRED (50%) | |
| 513.6m ² SHADED AREA PROVIDED | |

LANDSCAPE AREAS

| ITEM | AREA | PERCENTAGE |
|-------------------------------------------------|-----------------------------|---------------------------|
| SITE AREA | 3,934m ² | |
| SOFT LScape APPROVED (MIN 1m SOIL DEPTH) | 1,625.3m ² | % OF SITE AREA 41.3% |
| SOFT LScape PROPOSED | 1,574.2m ² | % OF SITE AREA 40.0% |
| HARD LScape APPROVED | 1,604.4m ² | |
| HARD LScape PROPOSED | 1,655.5m ² | |
| REQUIRED LANDSCAPE BASED ON NEW BOUNDARY | 1,573.8m² | % OF SITE AREA 40% |



LIQUID DESIGN

Liquid Design Pty Ltd
Suite 5, 17, 05 Miller Street, Pyrmont, Sydney, NSW, 2009
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E: info@liquiddesign.com.au
W: www.liquiddesign.com.au
ABN: 66 155 777 370

| Issue Rev. | Date | Description |
|------------|----------|------------------------------------|
| L | 1/08/19 | CONFIRMATION OF THE FRONT BOUNDARY |
| K | 1/03/19 | UPDATES FROM COUNCIL MEETING |
| J | 24/10/18 | PRELIMINARY PRICING SET |
| I | 31/08/18 | AMENDMENTS AFTER DA |
| H | 05/07/18 | LANDSCAPE UPDATES |
| G | 27/04/18 | DEVELOPMENT APPLICATION SET |
| F | 26/04/18 | UPDATED GROUND FLOOR PARKING |
| E | 20/04/18 | DEVELOPMENT APPLICATION |
| D | 17/04/18 | DRAFT DA SET |
| C | 27/03/18 | COORDINATION ISSUE 2 |
| B | 22/03/18 | COORDINATION ISSUE 1 |
| A | 20/03/18 | INITIAL COORDINATION |

| Issue Rev. | Date | Description |
|------------|----------|-------------------------------------------|
| Q | 05/10/21 | CL4.56 MODIFICATION |
| P | 24/06/21 | Client Amendments for Sign-Off |
| O | 09/05/21 | OPERATOR CHANGES |
| N | 23/04/21 | LOBBY AMENDMENTS |
| M | 07/09/20 | INCREASE FOOTPATH (BKE PATH) TO 3000 WIDE |

Contractor:

Client:
WARRINGAH RD DEVELOPMENT PTY LTD
C/O LIQUID DESIGN
5,17 55 MILLER STREET
PYRMONT NSW 2009

Project:
"THE ORCHARD"
CHILDCARE CENTRE
723-727 WARRINGAH ROAD
FORESTVILLE

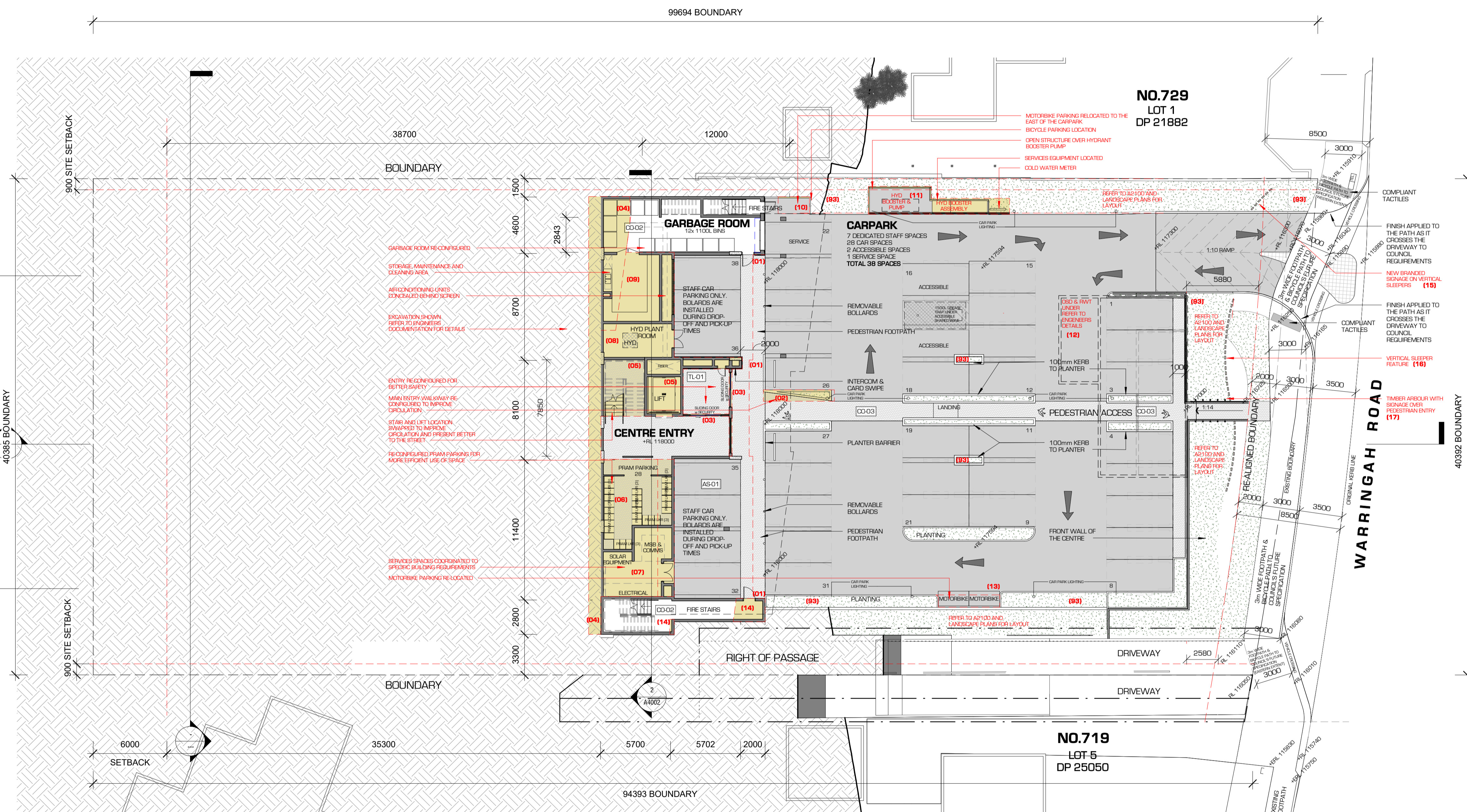
Title:
PROPOSED GROUND FLOOR

Drawn By: DM
Checked: CB
Project No: 3318

Date: 23 MARCH 2018
Scale: As indicated

Sheet No: A2000
Issue: CL4.56 MODIFICATION
Revision: Q

It is intended that the drawings only represent the visual design of the work and any technical details are for outline purposes only. The contractor/manufacturer must separately provide all necessary shop drawings or calculations for compliance with any relevant industry, safety standards or regulations. All dimensions are to be checked on site and any discrepancies are to be referred to Liquid Design Pty Ltd in writing prior to proceeding. Dimensioned drawings are to take precedence over scaling. Check for latest revision issue. Copyright of this drawing is vested with Liquid Design Pty Ltd.



GENERAL NOTES:
THE ARCHITECTURAL DOCUMENTATION IS TO BE READ AS A SET. PLANS AND SCHEDULES ARE TO BE READ IN CONJUNCTION. INDIVIDUAL DOCUMENTS ARE NOT VALID IF THEY ARE TAKEN OUT OF THE SET. DOCUMENTATION IS TO BE USED IN CONJUNCTION WITH ENGINEER'S DOCUMENTATION. ALL MEASUREMENTS ARE TO BE VERIFIED ON SITE PRIOR TO CONSTRUCTION.

CL4.56 MODIFICATION

| INDOOR PLAY SPACES CAPACITY | | | |
|-----------------------------|---------|----------------------------|------------|
| AGE GROUP | ROOM NO | AREA | PLACES |
| 0-1 YEAR | ROOM D1 | 47.6 m ² | 14 |
| 1-2 YEARS | ROOM D2 | 71.0 m ² | 21 |
| 2-3 YEARS | ROOM D3 | 52.9 m ² | 16 |
| 2-3 YEARS | ROOM D4 | 52.8 m ² | 16 |
| 3-4 YEARS | ROOM D5 | 69.2 m ² | 21 |
| 4-5 YEARS | ROOM D6 | 106.0 m ² | 32 |
| SCHOOL-READINESS | ROOM D7 | 104.1 m ² | 32 |
| TOTAL PLACES | | 503.8 m² | 152 |

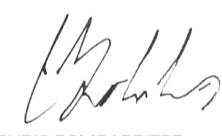
| OUTDOOR PLAY SPACE CAPACITY | | | |
|-----------------------------|------------|---------------------------|------------|
| AGE GROUP | SPACE NO | AREA | PLACE |
| 0-2 YEARS | OUTDOOR 01 | 246 m ² | 35 |
| 2-5 YEARS | OUTDOOR 02 | 683 m ² | 97 |
| SCHOOL-READINESS | OUTDOOR 03 | 143 m ² | 20 |
| TOTAL PLACES | | 1071 m² | 152 |

TOTAL CAPACITY OF THE PROPOSED CENTRE IS 152 PLACES

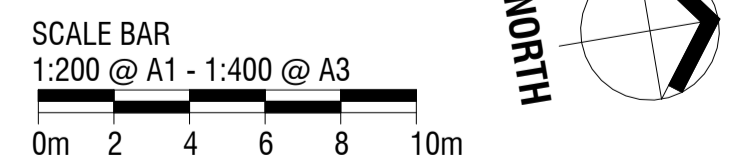
| OVERALL GFA | | |
|--------------|----------------------|------------------|
| LEVEL | AREA | TOTAL |
| GROUND | 99.33m ² | |
| LEVEL 1 | 220.44m ² | |
| LEVEL 2 | 753.87m ² | |
| TOTAL | | 1,073.64m |

NOTE:
EXTERNAL ENVELOPE OF THE PROPOSED BUILDING REMAINS UNCHANGED.
THE EXTENT OF EXCAVATION HAS BEEN AMENDED COVER WAS REMOVED TO THE EXTENT POSSIBLE OVER THE LEVEL 1 OUTDOOR SPACE AND THE WESTERLY GLAZED WALL IS PROPOSED AS A BALUSTRADE.

| PROVISION OF SHADED / COVERED SPACE | |
|----------------------------------------------|--|
| TOTAL OUTDOOR SPACE 1,023m ² | |
| 512m ² SHADED AREA REQUIRED (50%) | |
| 513.6m ² SHADED AREA PROVIDED | |

BUILDING AS BUILT AREAS HAVE BEEN CHECKED ONSITE AND THE ABOVE TABLE IS CONFIRMED BY:

CHRIS BOMBARDIERE
LIQUID DESIGN PTY LTD
NSW ARCHITECTS NUMBER 8123

| ITEM | AREA | PERCENTAGE |
|-------------------------------------------------|-----------------------|---------------------------|
| SITE AREA | 3,934m ² | |
| SOFT LScape APPROVED (MIN 1m SOIL DEPTH) | 1,625.3m ² | % OF SITE AREA 41.3% |
| SOFT LScape PROPOSED | 1,574.2m ² | % OF SITE AREA 40.0% |
| HARD LScape APPROVED | 1,604.4m ² | |
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| REQUIRED LANDSCAPE BASED ON NEW BOUNDARY | 1,573.6m | % OF SITE AREA 40% |



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| L | 1/08/19 | CONFIRMATION OF THE FRONT BOUNDARY |
| K | 1/02/19 | UPDATES FROM COUNCIL MEETING |
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| H | 05/07/18 | LANDSCAPING UPGRADES |
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| D | 17/04/18 | DRAFT DA SET |
| C | 27/03/18 | COOPERATION ISSUE 2 |
| B | 22/03/18 | COOPERATION ISSUE 1 |
| A | 20/03/18 | INITIAL COOPERATION |

| Issue Rev. | Date | Description |
|------------|----------|----------------------------------------------------|
| V | 06/05/22 | WALL & CONCRETE SETOUTS CONSTRUCTION CERTIFICATE 1 |
| T | 21/03/22 | |
| S | Day 23 | FERO & CEILING COORDINATION |
| R | 18/02/22 | DESIGN DEVELOPMENT |
| Q | 05/10/21 | CL 4.6 MODIFICATION |
| P | 24/06/21 | Client Amendments for Sign-off |
| O | 05/05/21 | OPERATOR CHANGES |
| N | 23/04/21 | LIBRARY AMENDMENTS |
| M | 02/06/20 | INCREASE FOOTPATH (LIKE PATH) TO 3000 WIDE |
| L | 24/04/20 | UPDATED AREAS AND NUMBERS |
| K | 09/08/22 | UPDATE ON COOPERATION |
| J | 12/08/22 | BOOK REVISION FOR COOPERATION |

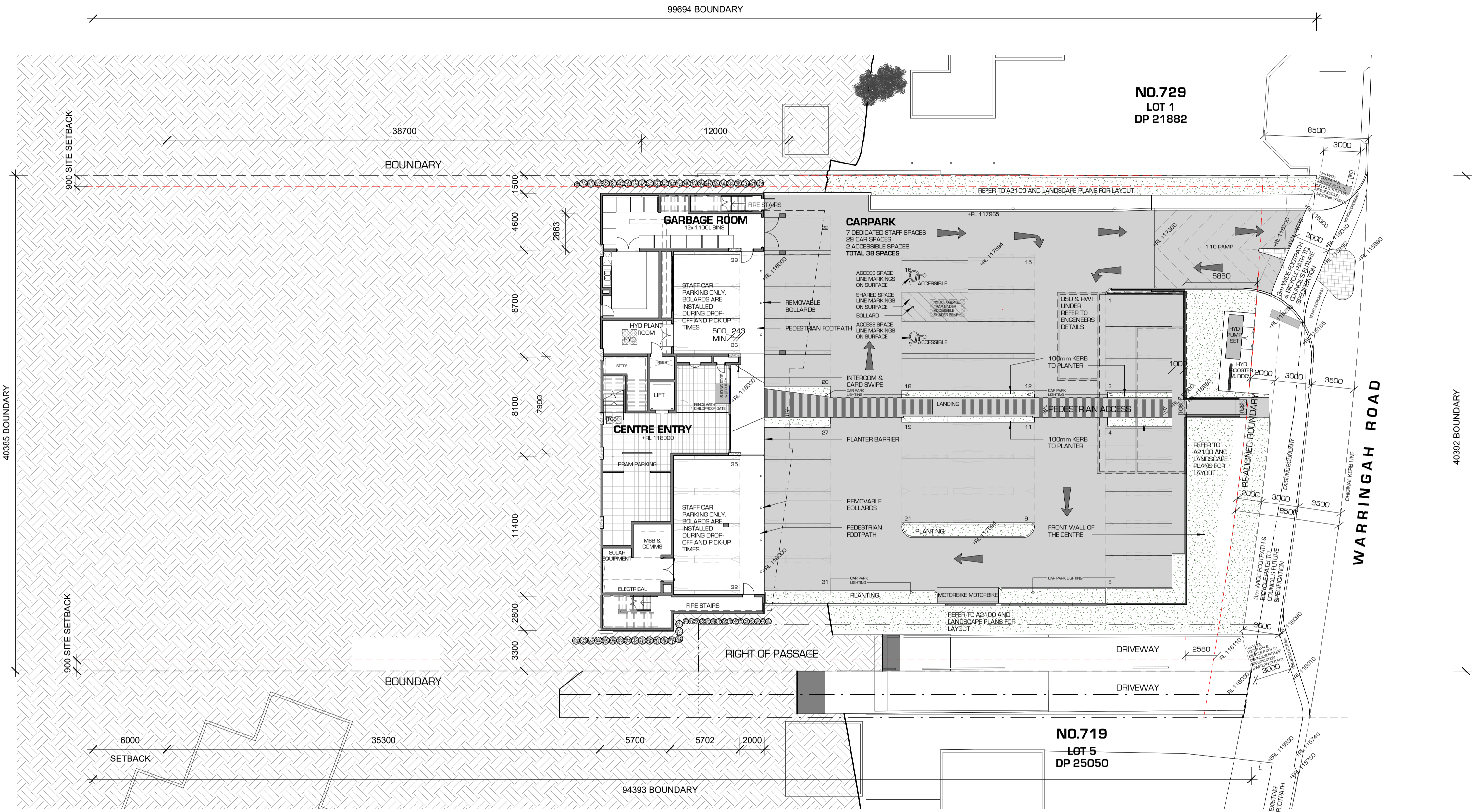
Contractor:
Client:
Project:
Title:

Napla Forestville Pty Ltd
"THE ORCHARD"
CHILDCARE CENTRE
723-727 WARRINGAH ROAD
FORESTVILLE

Proposed Ground Floor

Drawn By: DM
Checked: CB
Project No: 3318
Date: 23 MARCH 2018
Scale: As indicated
Sheet No: A2000
Issue: PROPOSED MODIFICATION
Revision: 6

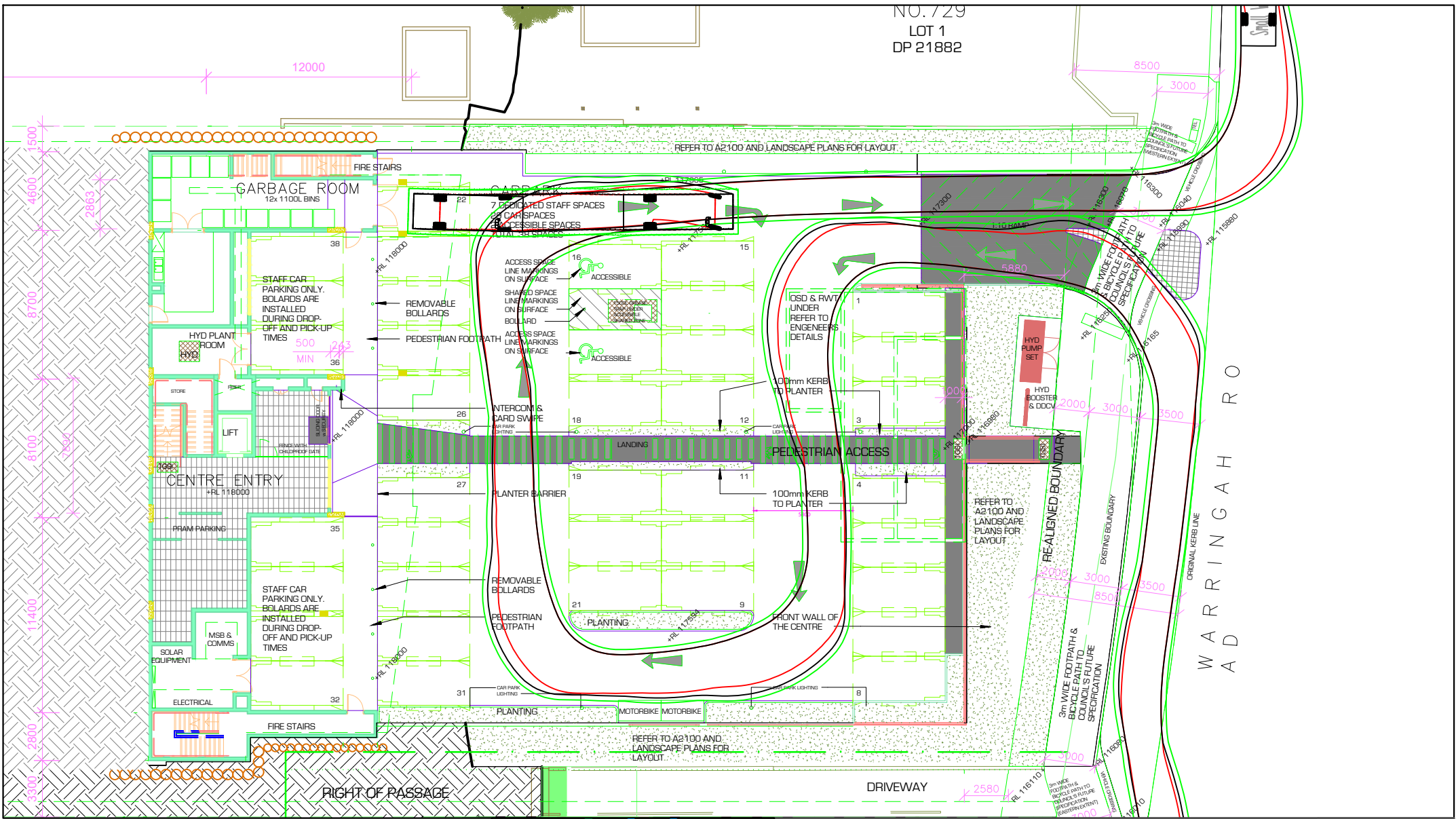
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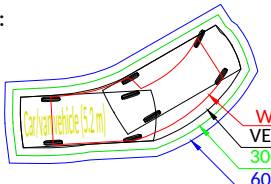
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PROPOSED MODIFICATION

NO. 729
LOT 1
DP 21882



LEGEND:



WHEEL PATH
VEHICLE BODY
300 MM CLEARANCE
600 MM CLEARANCE



Dwg No 24034/03 | Rev. A | 01/05/2024
Client: Napla

725 Warringah Road, Forestville NSW 2087

Swept path analysis
Small waste truck
Option 1

SCALE 1:300@A4



ROADS AND MARITIME SERVICES
VALIDATION TRIP GENERATION SURVEYS
CHILD CARE CENTRES
ANALYSIS REPORT



In summary, the analysis of data highlighted the following facts:

- Average trip rates should not be utilised for planning purposes.
- Good linear and non-linear relationships were established between the Centre peak hour vehicle trips AM and PM, Centre vehicle trips (in+out) during AM peak hour on adjacent road and the independent variable “number of licensed places for children” for all centres except OSHC.
- Good linear and non-linear relationships were established between the peak parking accumulation and the independent variable “total building GFA” for LDCC and PS centres.
- It is noted that the current rate of parking provision in the RMS (2002) Guide, based on 1992 data, is 1 parking space per 4 children. For comparison with this rate, the Peak Parking Accumulation formula from Table 4.2 was used for a range of numbers of children places. The resulting calculations indicate the following average rates:
 - Centres with 20 to 35 children – 1 space per 4 children
 - Centres with 40 to 65 children – 1 space per 5 children
 - Centres with 70 to 100 children – 1 space per 6 children

4.3 Comparison with 1992 data

- In this study, the sample sizes for each type of the centre were smaller than those in the 1992 study. However, analysis of the combined 2015 data for LDCC and PS centres returned reliable regression equations. In the 1992 study these types of child care centres were analysed separately.
- The following graphs show comparisons of trip generation and parking demand trend lines for regression analysis of LDCC and PS centres. Graphs for 1992 LDCC and PS data were overlaid separately on the combined 2015 LDCC/PS data.

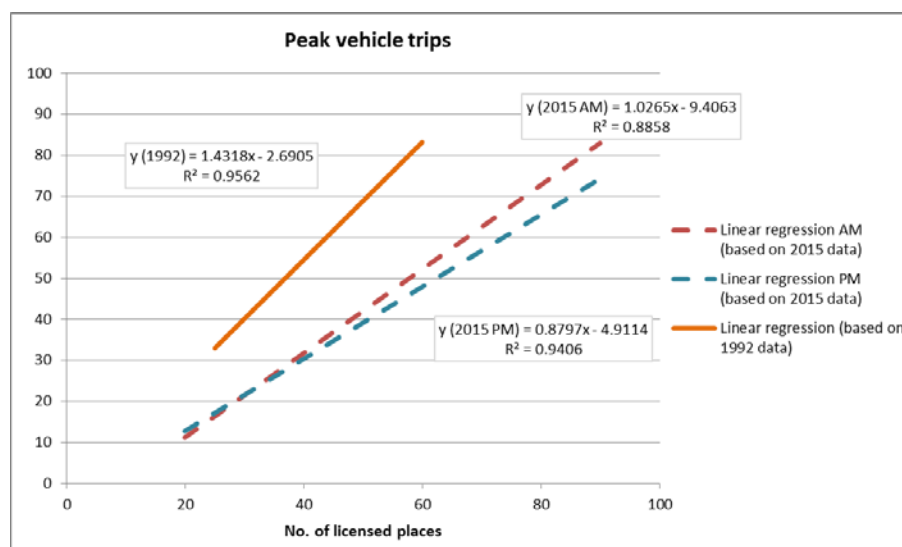


Figure 4.1 Centre peak hour vehicle trips vs. Number of licensed places – comparison of 1992 PS and 2015 LDCC/PS data.

- Peak trip generation of PS centres in 1992 was generally higher and the rate of its increase with the increase of the centre capacity was greater than those from the 2015 LDCC/PS data.

Chapter 1

About the Guide

Chapter 2

Legislation, strategic direction and standards

Chapter 3

Undertaking a Transport Impact Assessment

Chapter 4

Travel demand management

Chapter 5

Land use trip generation

Chapter 6

Multimodal network impacts

Chapter 7

Site access and design

Chapter 8

Parking provision and design


Glossary

Appendices

Guide to Transport Impact Assessment

Version 1.0 Draft for industry consultation

Email: GTIA@transport.nsw.gov.au

Web: transport.nsw.gov.au 

Prepared by: Strategic Transport Planning Branch, Transport for NSW

Status: Draft for industry consultation


Overview:

The draft Guide to Transport Impact Assessment (the Guide) is the first full update to the Guide to Traffic Generating Developments (GTGD) since 2002. The draft Guide has been updated with new guidance on multimodal transport network impacts, site access design, travel demand management, trip generation methods and parking guidance.

Previous versions:

- Guide to Traffic Generating Developments v2.2, 2002
- Guide to Traffic Generating Developments v2.0, 1993
- Policies, Guidelines and Procedures to Traffic Generating Developments, 1984

This version:

This document is a working draft for the purpose of industry consultation only and has not been finalised or formally adopted. TfNSW welcomes any comments on the draft Guide at www.haveyoursay.nsw.gov.au/guide-to-transport-impact-assessment  until 31 May, 2024.

Following industry consultation, feedback will be considered in the finalisation of the draft Guide. The final Guide is planned for release in late 2024, at which point it will formally supersede the existing Guide to Traffic Generating Developments (GTGD 2002) and Updated Traffic Surveys Technical Direction (TDT 2013/04a).

Until the Guide to Transport Impact Assessment is formally adopted, practitioners and planning authorities should continue to use the current GTGD 2002 and TDT 2013/04a wherever these documents are referenced in existing EPIs, DCPs or other development assessment requirements.

Standards ID. TBC (for use when published)

Disclaimer:

This Guide has been prepared by TfNSW to provide guidance only. TfNSW has taken care to ensure that the Guide is correct at the time of publication. It does not make any representations or warrant that the Guide is free from error, is current, or, where used, will ensure compliance with any legislative, regulatory or general law requirements. TfNSW disclaims all and any guarantees, undertakings and warranties (expressed or implied) and is not liable, including for negligence, for any loss (incidental or inconsequential), injury, damage or other consequences arising directly or indirectly from the use of the Guide. Professional advice should be obtained before applying the guidance in this document to particular circumstances.

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Chapter 1
About the Guide

Chapter 2
Legislation, strategic
direction and standards

Chapter 3
Undertaking a Transport
Impact Assessment

Chapter 4
Travel demand management

● **Chapter 5**
**Land use trip
generation**

Overview

Principles and requirements

Basic terms and definitions

Factors influencing
trip generation

Estimating trip generation

● Trip generation survey
data summaries

Chapter 6
Multimodal network impacts

Chapter 7
Site access and design

Chapter 8
Parking provision and design

Glossary

Appendices



5.6.8 Health, education and community facilities

Child care centres (2015)

Surveys of child care centres in NSW were undertaken in 2015. The study included surveys at four different types of child care centres: long day care centre (four), pre-school (three), occasional care (three), and outside school hours care (four). Traffic activity was found to vary with the differing operating hours of the child care centres. The person and vehicle trip generation rates given below are the aggregated averages and shortcut rates.

Table 5.56. Child care centre sample summary

| Weekday rates | Long day care centre | | Pre-school | | Occasional care | | Outside school hours care (OSHC) | | All (excl. OSHC) | |
|------------------------------------------------------------|----------------------|-----------|------------|-----------|-----------------|-----------|----------------------------------|-----------|------------------|-----------|
| | Avg | Short cut | Avg | Short cut | Avg | Short cut | Avg | Short cut | Avg | Short cut |
| Person trips (person trips/licensed child places) | | | | | | | | | | |
| Site AM peak hour | 0.85 | 0.99 | 1.08 | 1.33 | 0.77 | 0.96 | 0.47 | 0.65 | 0.89 | 1.07 |
| Site PM peak hour | 0.83 | 0.89 | 1.03 | 1.22 | 0.84 | 1.26 | 0.49 | 0.58 | 0.89 | 1.19 |
| Network AM peak hour | 0.66 | 0.79 | 1.09 | 1.30 | 0.73 | 0.96 | 0.08 | 0.16 | 0.81 | 1.06 |
| Network PM peak hour | 0.39 | 0.49 | 0.60 | 0.88 | 0.06 | 0.10 | 0.28 | 0.47 | 0.36 | 0.65 |
| Daily | 3.07 | 3.13 | 2.50 | 2.78 | 1.83 | 2.56 | 1.51 | 1.77 | 2.52 | 3.10 |
| Vehicle trips (vehicle trips/licensed child places) | | | | | | | | | | |
| Site AM peak hour | 0.81 | 0.97 | 0.86 | 1.17 | 0.63 | 0.92 | 0.38 | 0.55 | 0.77 | 1.04 |
| Site PM peak hour | 0.80 | 0.84 | 0.76 | 1.01 | 0.78 | 1.18 | 0.43 | 0.50 | 0.78 | 1.02 |
| Network AM peak hour | 0.64 | 0.75 | 0.83 | 1.13 | 0.63 | 0.92 | 0.07 | 0.14 | 0.69 | 1.01 |
| Network PM peak hour | 0.39 | 0.51 | 0.51 | 0.70 | 0.06 | 0.10 | 0.23 | 0.36 | 0.33 | 0.63 |
| Daily | 2.97 | 3.03 | 1.96 | 2.54 | 1.65 | 2.38 | 1.30 | 1.57 | 2.27 | 2.99 |

Notes

- The centres surveyed had 45 to 90 children in long day-care, 20 to 40 children attending pre-schools, 25 to 36 attending occasional care, and 70 to 105 children in OSHC care. The average parking rate was calculated to be:
 - Centres with 20 to 35 children – one space per four children
 - Centres with 40 to 65 children – one space per five children
 - Centres with 70 to 100 children – one space per six children

Mode share

The dominant mode of transport for child care centres was private vehicles, and mode shares were generally consistent in the AM period (between 6:30am and 9.30am) and PM period (between 2:30pm and 6pm).

Table 5.57. Mode share summary for child care centres

| Mode | Sydney Average and range | Regional Average and range |
|---------|-----------------------------|-------------------------------|
| Car | 87% (46% to 99%) | 89% (84% to 93%) |
| Non-car | 13% (1% to 54%) | 11% (7% to 16%) |

Notes

- Mode share has been calculated based on the person trips observed between 6:30am and 9.30am and 2.30pm and 6pm.