



21 October 2020

Minto Planning Services P/L
PO Box 424
Berowra 20819

Dear Sir/Madam,

CERTIFICATE OF DESIGN Traffic and parking – S4.55 application
SUBJECT PREMISES 723-727 Warringah Road, Forestville NSW 2087

Pursuant to the provisions of Clause A2.2 of the Building Code of Australia, I hereby certify that the design of the proposed car park is in accordance with normal engineering practice and meets the requirements of relevant Australian Standards in terms of traffic and parking components. In particular the design is in accordance with the following:

- AS/NZS 2890.1:2004: Parking Facilities - Off-street car parking**
- AS 2890.2-2002: Parking Facilities - Off-street commercial vehicle facilities**
- AS 2890.5-1993 Parking facilities - On-street parking**
- AS/NZS 2890.6:2009: Parking Facilities - Off-street parking for people with disabilities**

I am an appropriately qualified and competent person in this area being a Member of the Institution of Engineers Australia (MIEAust, PEng) and a Fellow of the Australian Institute of Traffic Planning and Management (FAITPM) and as such can certify that the design and performance of the design systems, which are detailed on the following drawings, comply with the above Standards.

Drawing No.	Title	Issue / Rev.	Date
A2000	PROPOSED GROUND FLOOR	L	01/08/19

A reduced copy of the above drawing is attached to and forms an integral part of this Certificate. AutoTrack swept path software was used to model the movements of a B99 vehicle as required by AS/NZS 2890.1:2004. The current design was found to be satisfactory.

The design of the proposed shared pedestrian and bicycle path and the deceleration lane (as amended for the purpose of S4.55 application) comply with relevant Austroads guidelines.

I possess Professional Indemnity Insurance to the satisfaction of the building owner or my principal.

Full Name of Certifier: Oleg I. Sannikov
Qualifications: MEngSc (Traffic Engineering)
Address of Certifier: 32/150 Forbes St, Woolloomooloo NSW 2011
Business Telephone No: (02) 9332 2024 Fax No: (02) 9332 2024
Name of Employer: TEF Consulting

Yours faithfully,

Oleg I. Sannikov

Note: Under the Environmental Planning and Assessment Regulation 2000, Clause 283 False or misleading statements - A person is guilty of an offence if the person makes any statement, knowing it to be false or misleading in an important respect, in or in connection with any document lodged with the Director-General or a consent authority or certifying authority for the purposes of the Act or this Regulation.

Attachment: A reduced copy of the architect's drawing and one design test drawing prepared by TEF Consulting.

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

REFER TO A251

REFER TO A250

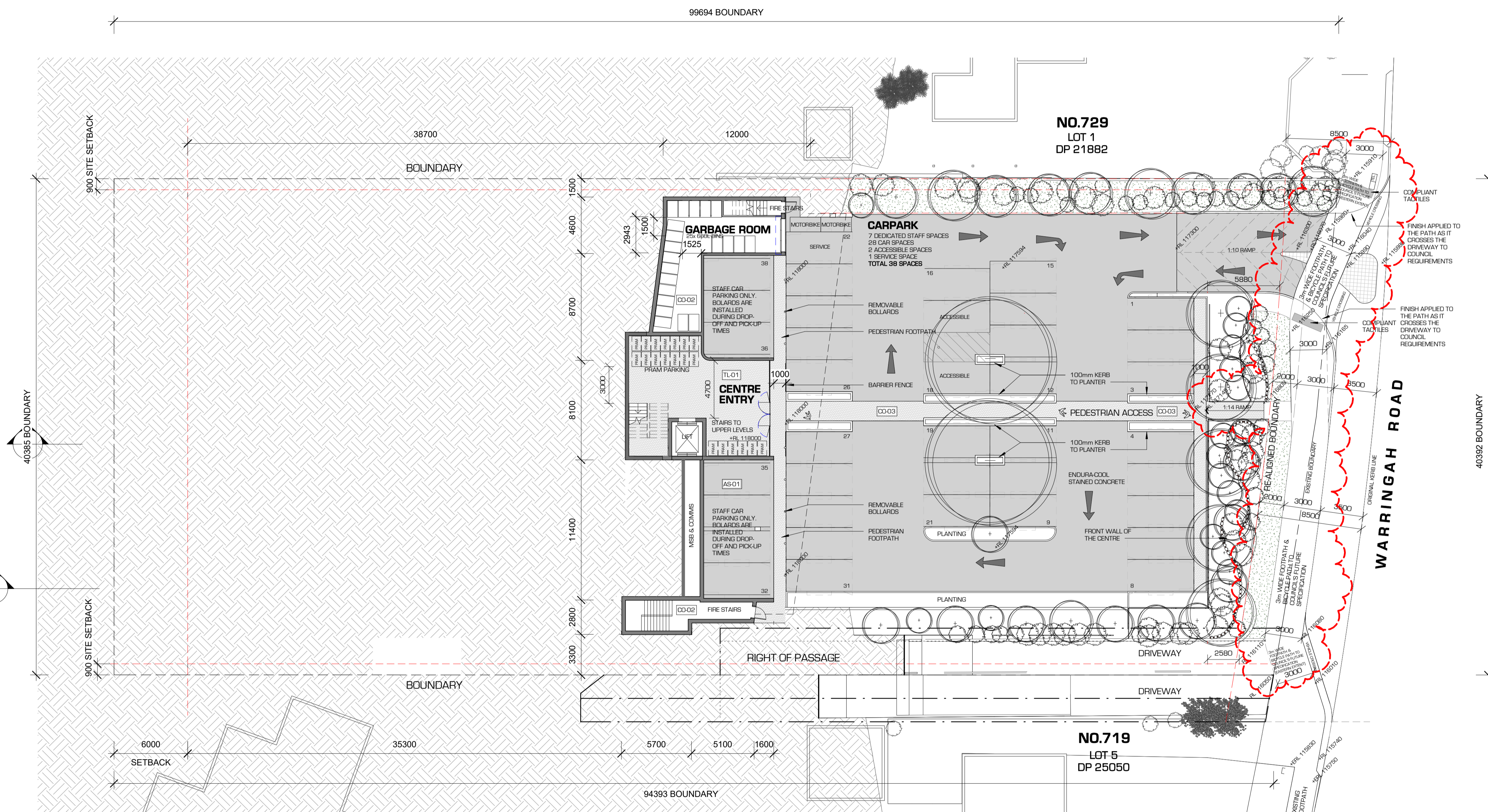
INDOOR PLAY SPACES CAPACITY			
AGE GROUP	ROOM NO	AREA	PLACES
0-1 YEAR	ROOM D1	53 m ²	16
1-2 YEARS	ROOM D2	52 m ²	16
2-3 YEARS	ROOM D3	50 m ²	15
2-3 YEARS	ROOM D4	50 m ²	15
3-4 YEARS	ROOM D5	65 m ²	20
4-5 YEARS	ROOM D6	101 m ²	31
SCHOOL-READIN ESS	ROOM D7	114 m ²	35
TOTAL PLACES			149

OUTDOOR PLAY SPACE CAPACITY			
AGE GROUP	SPACE NO	AREA	PLACES
0-2 YEARS	OUTDOOR 01	218 m ²	31
3-5 YEARS	OUTDOOR 02	586 m ²	84
SCHOOL-READIN ESS	OUTDOOR 4	230 m ²	33
TOTAL PLACES			148

TOTAL CAPACITY OF THE PROPOSED CENTRE IS 146 PLACES

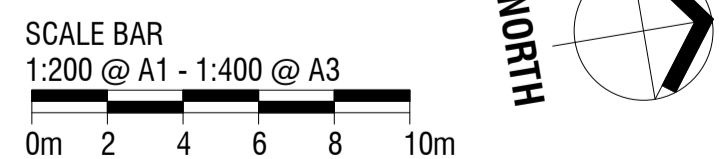
OVERALL GFA	
GROUND	46.04m ²
LEVEL 1	312.73m ²
LEVEL 2	741.59m ²
TOTAL	1,100.36m²

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



GENERAL NOTES:
 THE ARCHITECTURAL DOCUMENTATION IS TO BE READ AS A SET. PLANS AND SCHEDULES ARE TO BE USED 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.

DEVELOPMENT APPLICATION



LIQUID DESIGN
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 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
M	07/09/20	INCREASE FOOTPATH (BKE PATH) TO 3000 WIDE

Contractor:
 Client:
 Project:

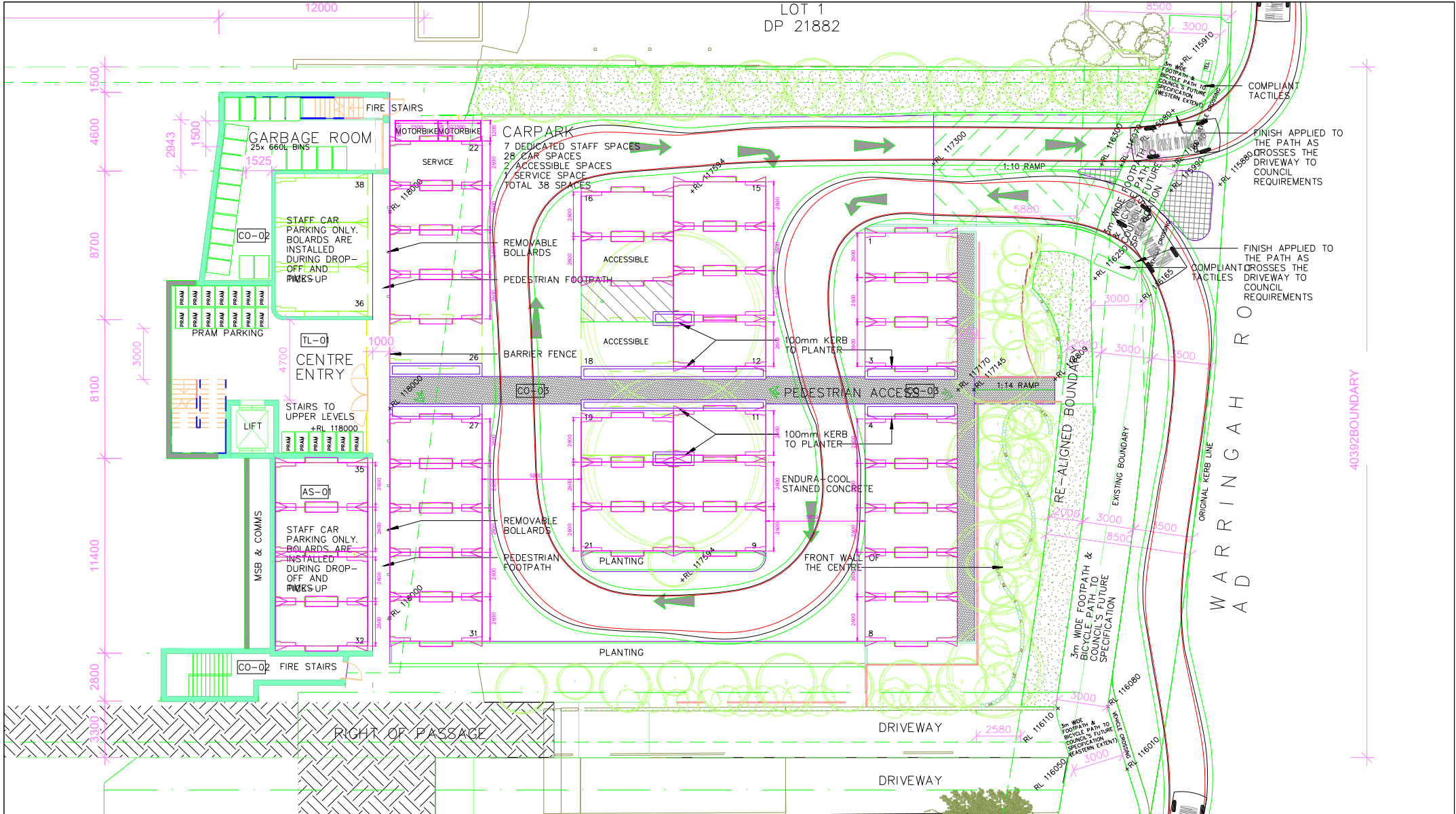
WARRINGAH RD DEVELOPMENT PTY LTD
 C/O LIQUID DESIGN
 5.17 55 MILLER STREET
 PYRMONT NSW 2009

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

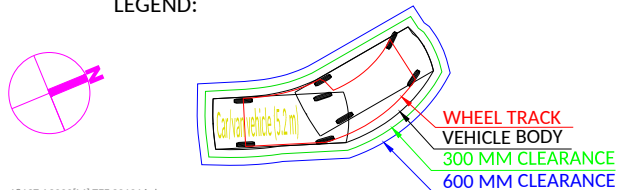
Title:
 PROPOSED GROUND FLOOR

Drawn By: DM	Checked: CB	Project No: 3318
Date: 23 MARCH 2018	Sheet No: A2000	
Scale: 1 : 200	Issue: DEVELOPMENT APPLICATION	Revision: M

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.



LEGEND:



Dwg No 18137/01 | Rev. A | 21/10/2020

Client:
WARRINGAH RD DEVELOPMENT PTY LTD

723-727 Warringah Road, Forestville NSW 2087

Proposed car park layout
Design checks as per AS/NZS 2890 series

SCALE 1:300@A4