

NOTICE OF LOCAL PLANNING PANEL MEETING PUBLIC AGENDA

By Electronic Determination

A Local Planning Panel Meeting will be held by way of electronic determination.

Brett Newman
CHIEF EXECUTIVE OFFICER

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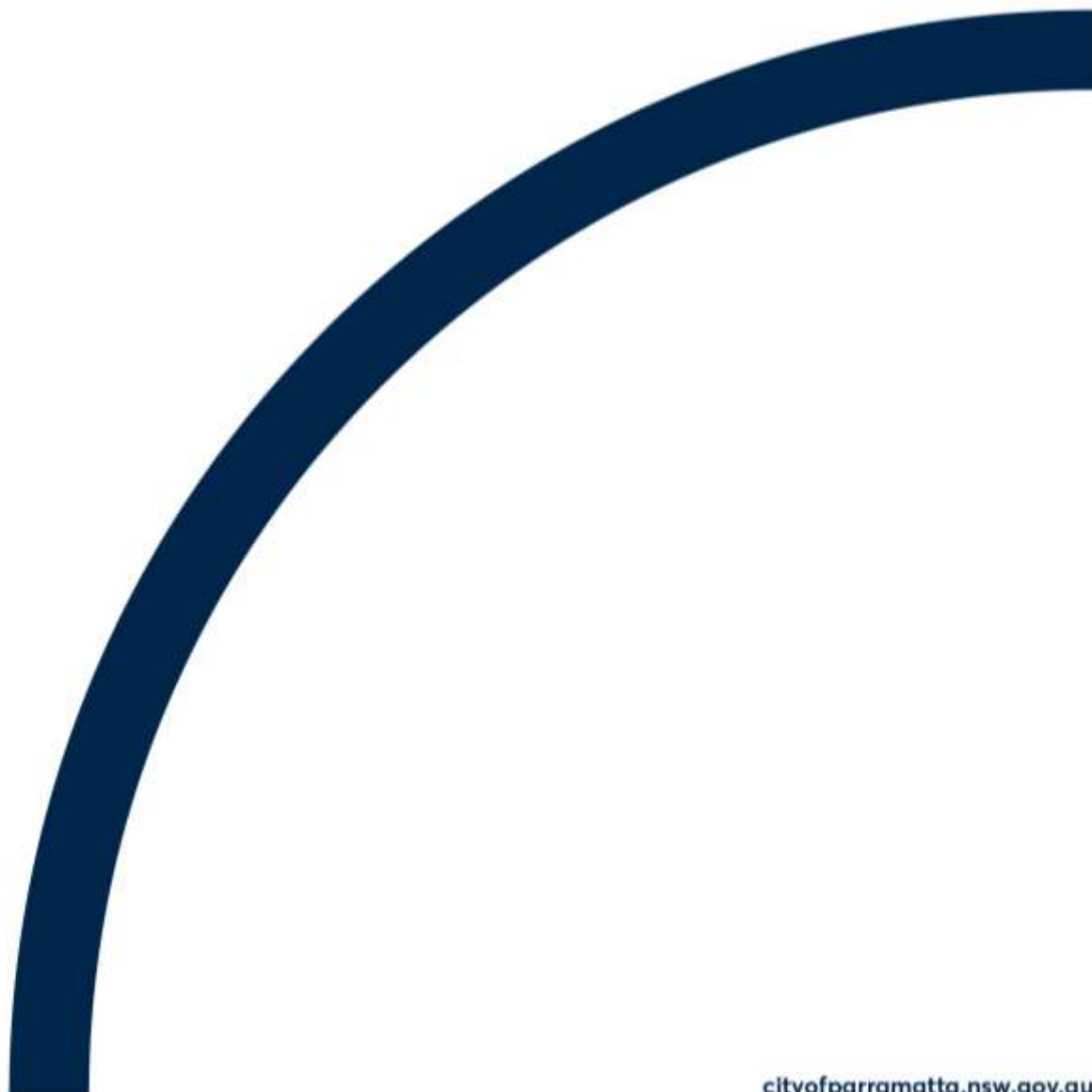


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2	WEBCASTING ANNOUNCEMENT <i>This public meeting will be recorded. The recording will be archived and available on Council's website. All care is taken to maintain your privacy; however if you are in attendance in the public gallery, you should be aware that your presence may be recorded.</i>	
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DEVELOPMENT APPLICATIONS

11 JANUARY 2022

5.1 ELECTRONIC DETERMINATION:
45 Mobbs Lane, CARLINGFORD.....6

DEVELOPMENT APPLICATION

ITEM NUMBER	5.1
SUBJECT	ELECTRONIC DETERMINATION: 45 Mobbs Lane, CARLINGFORD
DESCRIPTION	Reconsideration: Child Care Centre
REFERENCE	DA/725/2020 - D08376225
APPLICANT/S	DesignCorp
OWNERS	Child Care Property Holdings Pty Ltd
REPORT OF	Group Manager Development and Traffic Services
RECOMMENDED	APPROVAL

DATE OF REPORT 2 DECEMBER 2021

REASON FOR REFERRAL TO LPP

This item is being referred to the Parramatta Local Planning Panel (PLPP) as more than ten (10) submissions were received during the formal notification period. The proposal has received thirty-three (33) unique submissions. Two (2) submissions were also received post the October LPP meeting in which the application was deferred.

EXECUTIVE SUMMARY

The Parramatta Local Planning Panel considered this development application for determination at the October LPP meeting and found that:

“.....the amended design has improved the streetscape appearance and reduced bulk and scale but remains concerned about traffic issues and will defer the application for the following additional information:

- (a) The applicant to provide clarification within 21 days on the functionality and operation of the basement carpark specifically to understand vehicle movement when entering and exiting the carpark if all carparking spaces were full, assuming that the operation of the childcare centre would require all drop offs and picks up to occur in the basement;*
- (b) The Council Officers to provide details of the operation of the “no parking” area in front of the site in terms of its length and times;*
- (c) The applicant to provide a report within 21 days on vehicular movements at peak childcare times to understand the likely number of vehicles entering and leaving during that period to understand any likely conflict.”*

Amended plans and documentation were received from the applicant, which included:

- a) Reduction in the number of car spaces within the basement and inclusion of a dedicated turning bay;
- b) Reduction in the number of children from 56 to 54 to maintain compliance with the carparking requirements; and
- c) Acceptance of a no-parking zone within the frontage of the subject site between the hours of 7am to 7pm, Monday to Friday.

Council's Traffic and Transport Engineer reviewed the Panel's recommendation on a No-Stopping Zone in front of No. 45 Mobbs Lane and raises no concerns with respect to this zone being established between 7am and 7pm, Monday to Friday.

The proposed development is generally consistent with the requirements of the State Environmental Planning Policy (Educational Establishments and Child Care Facilities, Parramatta Local Environmental Plan 2011 and Parramatta Development Control Plan 2011.

Whilst the amendments were not required to be notified in accordance with Appendix 1 of Council's Community Engagement Strategy, Consolidated Notification Requirements, two objections were received after the October meeting. These objections have been considered in this addendum report.

After consideration of the development against Section 4.15 of the Environmental Planning and Assessment Act 1979, and the relevant statutory and policy provisions, the proposal is suitable for the site and is in the public interest.

RECOMMENDATION

- (a) **That** the Parramatta Local Planning Panel (PLPP), exercising the functions of Council, pursuant to Section 4.16(1)(b) of the Environmental Planning and Assessment Act 1979, **approve** Development Application No. DA/725/2020 on land at Lot 14 in DP 30791, 45 Mobbs Lane, Carlingford NSW 2118, subject to the conditions of consent.
- (b) **Further, that** objectors be advised of the Panel's decision.





REASONS FOR APPROVAL

1. The development is permissible in the R2 zone and satisfies the requirements of all of the applicable planning controls.
2. The development will be compatible with the emerging and planned future character of the area.
3. For the reasons given above, approval of the application is in the public interest.

Jonathan Cleary
Team Leader Development Assessment

Sarah Irani
Development Support Officer Personal Assistant

ATTACHMENTS:

- | | | |
|---|--------------------------------------|----------|
| 1  | Addendum report and draft conditions | 51 Pages |
| 2  | Locality Map used during assessment | 1 Page |
| 3  | Plans used during assessment | 34 Pages |
| 4  | Documents used in Assessment | 65 Pages |

REFERENCE MATERIAL



City of Parramatta

File No: DA/725/2020

ADDENDUM REPORT – Environmental Planning & Assessment Act 1979

SUMMARY

DA No:	DA/725/2020
Property:	Lot 14 in DP 30791, 45 Mobbs Lane, CARLINGFORD NSW 2118 (Epping Ward)
Original Proposal:	Demolition of existing structures, earthworks, removal of seven (7) trees and construction of a child care facility for 58 children (17 x 0-2 year olds, 15 x 2-3 year olds & 26 x 3-6 year olds) with basement level car parking level for fifteen (15) vehicles and associated landscape works
Amended Proposal	Demolition of existing structures, earthworks, removal of seven (7) trees and construction of a child care facility for 56 children (17 x 0-2 year olds, 15 x 2-3 year olds & 24 x 3-6 year olds) with basement level car parking level for fourteen (14) vehicles and associated landscape works
Date of receipt:	7 December 2020
Applicant:	Designcorp Architects
Owner:	Child Care Property Holdings Pty Ltd
Property owned by a Council employee or Councillor:	The site is not known to be owned by a Council employee or Councillor
Political donations/gifts disclosed:	None disclosed on the application form
Submissions received:	Thirty-three (33) submissions
Conciliation Conference Held:	No – due to COVID19 restrictions
Original Recommendation on 19 Oct	Refusal
Amended Recommendation:	Approval subject to conditions
Assessment Officer:	Jonathan Cleary

Legislative requirements

Zoning	R2 Low Density Residential under Parramatta Local Environmental Plan 2011
Other relevant legislation/state environmental planning policies (SEPP)/policies:	Environmental Planning and Assessment Act 1979, Environmental Planning and Assessment Regulation 2000, State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017, State Environmental Planning Policy No.55 - Remediation of Land, State Environmental Planning Policy (Infrastructure) 2007, State Environmental Planning Policy (Vegetation in Non-Rural areas) 2017, Education and Care Services National Regulations, Sydney Regional Environmental Plan (Sydney Harbour Catchment) 2005

Planning Controls & Policy	Parramatta Section 94A Contributions Plan 2011 (Outside CBD - Amendment 5), Child Care Planning Guidelines, Children (Education and Care Services) Supplementary Care Provisions Regulations 2012, Parramatta Development Control Plan 2011, Handling of Unclear, Insufficient and amended Development Applications (Policy No: 299)
Bushfire Prone Land	No
Heritage item/vicinity of item	No
Heritage Conservation Area	No
Integrated development	No
Crown Development	No
Designated Development	No
Delegation	Parramatta Local Planning Panel (PLPP)

1. Relevant Site History

Date	Comment
21 May 2018	DA/332/2018 was lodged for: <i>Demolition works, earthworks, removal of four (4) trees and construction of a child care facility for 74 children (24 x 0-2 year olds, 30 x 2-3 year olds & 20 x 3-5 year olds) with basement level car parking for eighteen (18) vehicles with vehicular access from Mobbs Lane, external works and associated landscaping</i>
8 August 2018	Applicant's Solicitor filed a Class 1 Appeal to the NSW Land and Environment Court (LEC).
18 September 2018	The Parramatta Local Planning Panel (PLPP) as the consent authority refused development consent to DA/332/2018 for the following reasons: <u>Insufficient indoor space requirements</u> 1. In accordance with Section 4.15(1)(a)(i) of the Environmental Planning and Assessment Act, the proposal fails to provide sufficient unencumbered indoor space as per <i>Clause 4.1 – Indoor Space Requirements</i> of the Childcare Planning Guideline 2017, <i>Regulation 107</i> of the Education and Care Services National Regulations and <i>Clause 25(2)(a)(i)</i> of State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017. <u>Insufficient outdoor space requirements</u> 2. In accordance with Section 4.15(1)(a)(i) of the Environmental Planning and Assessment Act, the proposal fails to provide sufficient unencumbered outdoor space as per <i>Clause 4.9 – Outdoor Space Requirements</i> of the Childcare Planning Guideline 2017, <i>Regulation 108</i> of the Education and Care Services National Regulations and <i>Clause 25(2)(a)(ii)</i> of State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017.

Inconsistency with the R2 Zone objectives of Parramatta Local Environmental Plan 2011

3. The proposal is inconsistent with the stated objectives (dot point 3) of the R2 Zone of PLEP 2011 as the significant cut and protrusion of the basement level above the natural ground level results in unreasonable amenity impacts to adjoining properties, is of a bulk and scale that adversely impacts on the streetscape and does not achieve satisfactory urban design outcomes.

Unacceptable streetscape

4. The development application is unsatisfactory because the proposal is inconsistent with the aims of Parramatta Local Environmental Plan 2011, in particular 1.2(2)(h) as the proposal fails to enhance the amenity and characteristics of the established residential area.
5. Part 2.4.6 'Development on Sloping Land' as that the height of the basement car park above natural ground level results in elevated ground floor levels resulting in a development that is excessive in bulk and scale and having adverse amenity impacts on adjoining properties.

Unsatisfactory parking and access under the Parramatta Development Control Plan 2011

6. Part 3.6.2 'Parking and Vehicular access' as the proposal results in an overall shortfall of one (1) vehicle space.

Insufficient information

7. Clause 4.6 'Exceptions to Development Standards' of PLEP 2011 in the absence a written request seeking justification of Clause 4.3 Height of Buildings development standard.
8. Clause 4.6 'Exceptions to Development Standards' of PLEP 2011 in the absence a written request seeking justification of the Clause 4.4 Floor Space Ratio development standard.
9. Clause 6.2 'Earthworks' of PLEP 2011 in the absence of geotechnical assessment report for the site insufficient information has been provided to ascertain whether the proposal satisfies this clause.
10. The proposal has not provided sufficient information regarding the *Child Care Planning Guideline August 2017* with respect to site selection, building orientation, envelope and design, visual and acoustic privacy, indoor/outdoor space requirements, storage, laundry/toilet and hygiene facilities, ventilation and natural light, nappy change facilities and emergency and evacuation procedures.
11. The proposal results in the removal of one (1) tree with the tree protection root zone in the rear adjoining property of the site. No

	<p>landowners' consent of the adjoining property owners has been provided resulting in a negative impact on the preservation of the amenity of the area.</p> <p>12. The development is considered to adversely impact on the built environment (Section 4.15(1)(b) Environmental Planning and Assessment Act 1979).</p> <p>13. The proposal fails to satisfy the relevant considerations under Section 4.15(1)(c) Environmental Planning and Assessment Act 1979 as the constraints together with the design issues renders the site unsuitable for the development.</p> <p>14. The proposal fails to satisfy the relevant considerations under Section 4.15(1)(e) Environmental Planning and Assessment Act 1979 in that the adverse impacts generated by the development due to non-compliance with the applicable planning controls is not beneficial within the development site or to the established residential community and as such, it is not considered to be in the wider public interest.</p>
4 October 2019	Land and Environment Court of New South Wales, Commissioner of the Court Peter Walsh, dismissed the Class 1 appeal <i>Childcare Property Holdings Pty Ltd as trustee for the Childcare Property Holdings Trust v City of Parramatta Council</i> {2019} NSWLEC 1473.
26 August 2020	Council held a pre-lodgement meeting (PL/92/2020). The applicant group were advised that the proposal is not supported on planning grounds, urban design and social outcomes.
7 December 2020	DA/725/2020 was lodged for: <i>Demolition of existing structures, earthworks, removal of seven (7) trees and construction of a child care facility for 58 children (17 x 0-2 year olds, 15 x 2-3 year olds & 26 x 3-6 year olds) with basement level car parking level for fifteen (15) vehicles and associated landscape works</i>
19 October 2021	<p>The application was presented to the Parramatta Local Planning Panel with a recommendation for refusal.</p> <p>The PLPP resolved the following:</p> <ul style="list-style-type: none"> (a) <i>The applicant to provide clarification within 21 days on the functionality and operation of the basement carpark specifically to understand vehicle movement when entering and exiting the carpark if all carparking spaces were full, assuming that the operation of the childcare centre would require all drop offs and picks up to occur in the basement;</i> (b) <i>The Council Officers to provide details of the operation of the "no parking" area in front of the site in terms of its length and times;</i> (c) <i>The applicant to provide a report within 21 days on vehicular movements at peak childcare times to understand the likely number of vehicles entering and leaving during that period to understand any likely conflict.</i>
29 October 2021	Applicant submitted amended plans with the following changes:

- a) Reduction in the number of car spaces within the basement and inclusion of a dedicated turning bay;
- b) Reduction in the number of children from 56 to 54 to maintain compliance with the carparking requirements; and
- c) Acceptance of a no-parking zone within the frontage of the subject site between the hours of 7am to 7pm, Monday to Friday.

2. Summary of Amendments

The amendments made to the original proposal are summarised and **bolded** below:

Feature	Original Application	Amended Proposal	
Number of children	58 children	56 children	
0-2 years	17	17	
2-3 years	15	15	
3-6 years	26	24	
Car Spaces	7 staff 8 visitor Total: 15 spaces	6 staff 8 visitor Total: 14 spaces	Complies
Building Height	8.6 metres	unchanged	Complies
Floor Space Ratio	0.49:1	unchanged	Complies
Gross Floor Area	457.7 m²	unchanged	Complies
Bicycle Spaces	3 spaces	unchanged	Complies
Internal Play Space	196.2 m²	unchanged	Complies
Playroom 1	51.51 m²		
Playroom 2	53.23 m²		
Playroom 3	56.43 m²		
Playroom 4	35.03 m²		
External Play Space	412.68 m²	unchanged	Complies
Ground Floor	315.91 m²		
First Floor	96.77 m²		
Building Envelope and Design	unchanged		

3. Summary of Compliance

On 29 October 2021, Council received final amended plans to address the reasons for deferral. Compliance with the relevant EPIs and DCPs is provided below:

3.1 State Environmental Planning Policy No. 55 – Remediation of Land

The amended plans do not alter compliance with SEPP 55 as considered by PLPP in the previous meeting and is considered acceptable.

3.2 State Environmental Planning Policy (Vegetation in non-rural areas) 2017

The amended plans do not alter compliance with SEPP (Vegetation) as considered by the PLPP in the previous meeting and is considered acceptable subject to conditions of consent for appropriate replanting to offset the removal of vegetation from the site and the protection of the remaining trees on the adjoining property.

3.3 State Environmental Planning Policy (Infrastructure) 2007

The amended plans do not alter compliance with SEPP (Infrastructure) as considered by PLPP in the previous meeting and is considered acceptable.

3.4 Sydney Regional Environmental Plan (Sydney Harbour Catchment) 2005 (Deemed SEPP)

The amended plans do not alter compliance with SREP (Sydney Harbour Catchment) as considered by PLPP in the previous meeting and is considered acceptable subject to conditions of consent for the installation of appropriate sediment and erosion control measures and stormwater management to protect water quality.

3.5 Draft State Environmental Planning Policy (Environment) 2017

The purpose of SEPP (Environment) 2017 is to promote the protection and improvement of key environmental assets for their intrinsic value and social and economic benefits they provide.

The State's water catchments, waterways, urban bushland and world heritage areas provide diverse and significant benefits that support the physical health, economic security and cultural identity of NSW's community. Catchments, waterways and urban bushland support a range of important ecosystems and ecosystem services, including drinking water and clean air, and are intrinsically valuable.

Conditions of consent are recommended requiring the installation of erosion and sediment control measures to minimise runoff into the Sydney Harbour Catchment.

3.6 State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017

The amended plans do not generally alter compliance with SEPP (Child Care) as considered by the PLPP at the previous meeting on 19 October 2021. The following issues were non-compliances as considered by the PLPP and have been reconsidered below:

Control	Comment	Comply
<i>Part 3 Matters for Consideration</i>		
<p>3.1 Site selection and location</p> <p><i>C2 Site selection</i></p> <p><i>Objective: To ensure that the site selected for a proposed child care facility is suitable for the use.</i></p>	<p>Compatible uses Contextually, existing developments in the surrounding area of the subject site are primarily single-storey detached dwellings and multi-unit housing developments. The proposed built form presents as a modern dwelling house within the streetscape and is not incompatible with existing and expected development in the locality.</p> <p>Site Characteristics The development proposal's current scale and building form provides a recessed first floor on the western (downslope) side. This intends to provide relief and interest to the building when viewed from the downhill.</p> <p>Given the proposed use of the building as a child care centre, internal stepping of the floor levels or internal play spaces is impractical</p>	<p>Yes</p> <p>Yes</p>
<p>3.2 Local character, streetscape and the public domain interface</p> <p><i>C5 Compatible character and streetscape</i></p>	<p>Design The design of the child care centre and its built form is generally consistent with the low density residential zone. Being consistent with the built form in the area does not necessarily mean that the building must present as a dwelling house. The built form should be reflective of a dwelling house design, with a compatible roof form, a maximum of 2 storeys, and landscaping appropriate for a residential allotment.</p> <p>In this instance, the application has maximised the landscaping provided within the front setback by locating the OSD system under proposed hardstand areas, and limiting unnecessary additional hardstand within the front setback.</p> <p>The child care centre is generally consistent with the colours of the existing streetscape being a combination of face-brick and light-coloured render.</p>	<p>Yes</p>
<p>3.3 Building orientation, envelope and design</p> <p><i>C12 Scale</i></p>	<p>The child care centre is consistent in terms of building height with existing developments along Mobbs Lane.</p> <p>The basement vehicle entrance is in the most appropriate location on the site (being the lowest point on the site).</p> <p>The form of the development generally meets the expected form of a large, modern dwelling on the site.</p>	<p>Yes</p>
<p>3.3 Building orientation, envelope and design</p> <p><i>C15 Built Form</i></p>	<p>The development provides a two-and-three storey built form which generally consistent with the expect form of development in a typical low-density residential zone on a sloping site.</p> <p>There are no heritage items nearby.</p>	<p>Yes</p>

The amended plans do not generally alter compliance with the *Education and Care National Regulations* as considered by the PLPP at the previous meeting on 19 October 2021.

<p>Regulation 123 Educator to child ratios – centre based services</p> <p>The minimum number of educators is required in the following ratios:</p> <p>(a) for children from birth to 24 months of age—1 educator to 4 children;</p> <p>(b) for children over 24 months and less than 36 months of age—1 educator to 5 children;</p> <p>(c) for children aged 36 months of age or over (not including children over preschool age)—1 educator to 11 children;</p> <p>(d) for children over preschool age, 1 educator to 15 children.</p> <ul style="list-style-type: none"> • 0-2 years – 5 educators • 2-3 years – 3 educators • 3+ years – 3 educators <p>Total of 11 educators are required.</p>	<p>The application indicates that the centre will be run by 11 educators and 1 on-site managing director.</p> <p>Regulation 122 of <i>National Regulations</i> states "An educator cannot be included in calculating the educator to child ratio of a centre-based service unless the educator is working directly with children at the service".</p>	<p>Complies.</p>
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5.8 Parramatta Local Environmental Plan 2011 (PLEP 2011)

The amended plans do not generally alter compliance with the Parramatta Local Environmental Plan 2011 as considered by the PLPP at the previous meeting on 19 October 2021.

The following issues were non-compliances as considered by the PLPP and have been reconsidered below:

Control	Comments	Compliance
<p>Clause 1.2 Aims of Plan</p>	<p>The child care centre responds adequately to the topographical constraints and seeks to minimise the impacts to the adjoining neighbours through the use of appropriately scaled acoustic barriers and . The proposal fails to enhance the amenity and characteristics of the established residential area.</p> <p>The proposal is therefore not consistent with Clause 1.2(2)(h) which is included as a reason of refusal.</p>	<p>Yes</p>
<p>Clause 2.3 Zone objectives and Land Use Table</p>	<p>The site is zoned R2 Low Density Residential under Parramatta Local Environmental Plan 2011 (PLEP 2011). Under PLEP 2011, the proposed development is defined as a "centre-based child care facility".</p> <p>Centre-based child care facility is a permissible form of development on land zoned R2 Low Density Residential under PLEP 2011 subject to consent being granted by a consent authority.</p> <p>The proposal meets the objectives of the R2 Low Density Residential Zone.</p>	<p>Yes</p> <p>Yes</p>

6. Provisions of any proposed instrument that is or has been the subject of public consultation under this Act and that has been notified to the consent authority (Section 4.15(1)(a)(ii))

The amended plans do not generally alter compliance with the Draft Parramatta Local Environmental Plan 2011 as considered by the PLPP at the previous meeting on 19 October 2021.

6. Provisions of Development Control Plans (Section 4.15(1)(a)(iii))

7.1 Parramatta Development Control Plan 2011 (PDCP 2011)

The amended plans do not generally alter compliance with the Draft Parramatta Local Environmental Plan 2011 as considered by the PLPP at the previous meeting on 19 October 2021 with the exception of the redesign of the basement carpark and resultant reduction in the number of children.

The following issues were non-compliances as considered by the PLPP and have been reconsidered below:

Development Control	Comment	Comply
<i>Part 2 Site planning</i>		
2.12.6 Development on Sloping Land	<p>The site has an approximate 7.9% (or 1.6m) cross-fall within the rear yard from the western boundary to the eastern boundary. The site has an approximate 11.4% (or 2.3m) cross-fall along the length of the southern front boundary (from the south-western corner to the south-eastern corner of the site).</p> <p>The position of the basement driveway is in the most appropriate location to minimise excavation, being the lowest part of the site. Although this results in an elevated ground floor level, the impacts are considered acceptable and in keeping with the expected form of a new building on this site with these constraints.</p>	No
3.1.3 Preliminary Building Envelope Tables (deep soil zone)	<p>The proposal provides approximately 244.4m² (26.2% of the site) deep soil areas and is deficient by 13.8% (128.4m²) of deep soil areas under the DCP.</p> <p>The proposal provides adequate deep soil for a site given the proposed basement parking. The deep soil zones are in wide, contiguous areas rather than piecemeal across the site.</p>	No but acceptable
3.1.3 Preliminary Building Envelope Tables (landscaped area)	<p>The proposal provides approximately 244.4m² (26.2% of the site) landscape area and is deficient by 13.8% (128.4m²) of landscaped areas under the DCP.</p> <p>As above, the proposal provides contiguous landscaped areas rather than piecemeal areas allowing for the establishment of mature vegetation and rainwater infiltration.</p>	No But acceptable.
3.2.1 Building Form and Massing	The bulk and scale of the proposed development is of a bulk and scale consistent with the expect redevelopment of sites within the residential zone.	Yes
3.2.2 Building Façade and Articulation	The building facade is generally consistent with a modern two-storey dwelling with a basement. Although the majority	Yes

	of the dwellings along Mobbs Lane are exposed-brick facades, the proposed partial-rendered finish with alternate materials (wood and metal sheeting) provides visual interest in the streetscape.	
3.4.4 Safety and Security	The proposal provides a clear sight lines between the public domain to the main pedestrian entrance. Passive surveillance of the public domain is via the hallway windows on the ground floor and the administration spaces on the first floor.	Yes
3.6.2 Parking and Vehicular Access 1 space for every 4 children in attendance	Fourteen (14) off-street car parking spaces are provided within the basement. This was at the request of the PLPP at its meeting on 19 October 2021 to include a dedicated turning bay. The applicants proposed a reduction in the number of children in order to provide parking at a ratio of 1 space per 4 children. Three (3) bicycle spaces are required and three (3) bicycle parking spaces are proposed within the ground floor porch adjacent to the entry.	Yes

8. REFERRALS

8.1 External

No external referrals were required.

8.2 Internal

Traffic and Transport Engineer	Council's Traffic and Transport Engineer reviewed the Panel's recommendation on a No-Stopping Zone in front of No. 45 Mobbs Lane and raises no concerns with respect to this zone being established between 7am and 7pm, Monday to Friday.
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9. Other Matters

9.1 Development Contributions

Parramatta Council Section 94A Plan requires that development contributions be paid based on the development cost of works. As the cost of works for the proposal exceeds \$200,000 a Section 94A development contribution 1% is required to be paid. Accordingly, the Section 7.12 contribution would be calculated on this value.

9.2 Bonds

In accordance with Council's Schedule of Fees and Charges, the developer is obliged to pay Security Bonds to ensure the protection of civil infrastructure located in the public domain adjacent to the site.

10. Any planning agreement that has been entered into under section 7.4, or any draft planning agreement that a developer has offered to enter into under section 7.4 (Section 4.15(1)(a)(iia))

The proposal does not include any Voluntary Planning Agreements (VPAs) and section 7.4 does not apply to the application.

11. Provisions of Regulations (Section 4.15(1)(a)(iv))

All relevant provisions of the Regulations have been considered in the assessment of this proposal.

12. Impacts of the Development (Section 4.15(1)(b))

All relevant issues have been considered in the assessment of this proposal.

13. Suitability of the Site (Section 4.15(1)(c))

The relevant matters pertaining to the suitability of the site for the proposed development have been considered in the assessment of the proposal. The site is considered suitable for the proposed development.

14. Public submissions (Section 4.15(1)(d))

The amended plans prepared in response to the PLPP's recommendations at its meeting on 19 October 2021 were not notified for the following reasons:

- No external changes to the building;
- Decrease in the total number of children;

Nevertheless, Council received two (2) submissions in response to the PLPP recommendations. These submissions and Council's response are summarised below:

Issue	Comment
Traffic Generation and Resultant Impacts	<p>Councils Traffic and Transport Engineer has reviewed the original proposal for 58 children along with the submitted traffic report and concluded the carpark design and layout is appropriate.</p> <p>Based on the RMS Guide for Traffic Generating Development, the centre is expected to generate an additional 46 vehicle trips per hour in the morning and evening peak hours. The reviewed traffic report indicates this will not have a detrimental impact to the serviceability of the nearby intersections.</p> <p>The inclusion of the turning bay has improved the manoeuvring in the carpark to allow for the appropriate turning and passing of vehicles in the basement.</p> <p>The POM indicates that all drop off will be undertaken in the basement, ensuring this is followed is ultimately a matter for the centre operator to manage and address with parents.</p>
Waste Collection	<p>The application proposes commercial waste operator. The bins are proposed for collection on a weekly basis in 240L bins placed kerbside for collection.</p> <p>The bins would otherwise be stored in the basement in a designated spot which does not conflict with vehicle access and parking arrangements.</p>

15. Public Interest (Section 4.15(1)(e))

The proposal has been assessed against the relevant planning policies applying to the site having regard to the objectives of the controls. As demonstrated in the assessment of the proposal, the site is considered to be appropriate for the proposed development and is in the public interest.

16. CONCLUSION

The proposal has been assessed in accordance with Sections 4.15(1) of the Environmental Planning and Assessment Act 1979. The proposal is generally consistent with the relevant requirements of State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017, Child Care Planning Guideline, Parramatta Local Environmental Plan 2011 and the Parramatta Development Control Plan 2011.

The proposal is permissible in the R2 Low Density Residential Zone. The proposal is considered to result in a development which is compatible with the context of the emerging character within the locality. Non-compliances are acknowledged within the current proposal; these have been discussed within this report.

A merit assessment of the application has determined that the site is suitable for a child care centre. Further, the proposal is satisfactory and results in reasonable impacts to adjoining and surrounding properties, with regard to building bulk and scale and acoustic and visual privacy.

The application has been assessed under Section 4.15 of the *Environmental Planning and Assessment (EP&A) Act 1979*, taking into consideration all relevant State and local planning controls. On balance, the proposal demonstrates an satisfactory response to the objectives and controls of the applicable planning framework. The proposal is suitable for the site and is in the public interest. As such, the application is recommended for approval subject to conditions.

16. RECOMMENDATION

Approval

- (a) THAT the Parramatta Local Planning Panel (PLPP), exercising the functions of Council, pursuant to Section 4.16(1)(b) of the Environmental Planning and Assessment Act 1979, **approve** Development Application No. DA/725/2020 for demolition of existing structures, earthworks, removal of seven (7) trees and construction of a child care facility for 56 children (17 x 0-2 year olds, 15 x 2-3 year olds & 24 x 3-6 year olds) with basement level car parking level for fifteen (15) vehicles and associated landscape works on land at Lot 14 in DP 30791, 45 Mobbs Lane, CARLINGFORD NSW 2118, subject to the conditions of consent below.

General Matters:

1. The development is to be carried out in accordance with the following plans and documentation listed below, except where amended by other conditions of this consent:

Architectural Plans

Drawing No.	Rev No.	Title	Prepared By	Dated
i1	I	Cover Sheet	Designcorp Architects	21/10/2021
i2	I	Site Analysis	Designcorp Architects	21/10/2021
i3	I	LEP Controls	Designcorp Architects	21/10/2021
i4	I	Roof Site Analysis	Designcorp Architects	21/10/2021
i5	I	Basement	Designcorp Architects	21/10/2021
i6	I	Ground	Designcorp Architects	21/10/2021
i7	I	First Floor	Designcorp Architects	21/10/2021
i8	I	Roof Plan	Designcorp Architects	21/10/2021
i9	I	FSR Calc Layouts	Designcorp Architects	21/10/2021
i10	I	Play Area Calc Layouts	Designcorp Architects	21/10/2021
i11	I	Ground Floor Landscape Design	Designcorp Architects	21/10/2021
i12	I	Evacuation Plan Layouts	Designcorp Architects	21/10/2021
i13	I	Evacuation Plan Layouts	Designcorp Architects	21/10/2021
i14	I	Elevations	Designcorp Architects	21/10/2021
i15	I	Elevations	Designcorp Architects	21/10/2021
i16	I	Sections	Designcorp Architects	21/10/2021
i17	I	Shadows – June	Designcorp Architects	21/10/2021
i18	I	3D Shadows	Designcorp Architects	21/10/2021
i19	I	Landscaped Area Calcs	Designcorp Architects	21/10/2021

i20	I	Materials and Finishes	Designcorp Architects	21/10/2021
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Stormwater Plans – Project No. 200934

Drawing No.	Rev No.	Title	Prepared By	Dated
000	B	Cover Sheet, Notes & Legend	Ace Civil Stormwater Services Pty Ltd	27/07/2021
101	B	Stormwater Concept Plan Basement Level Sheet 1 of 2	Ace Civil Stormwater Services Pty Ltd	27/07/2021
102	B	Stormwater Concept Plan Basement Level Sheet 2 of 2	Ace Civil Stormwater Services Pty Ltd	27/07/2021
103	B	Stormwater Concept Plan	Ace Civil Stormwater Services Pty Ltd	27/07/2021
104	B	OSD & WSUD Details and Calculation Sheets Sheet 1 of 3	Ace Civil Stormwater Services Pty Ltd	27/07/2021
105	B	OSD & WSUD Details and Calculation Sheets Sheet 2 of 3	Ace Civil Stormwater Services Pty Ltd	27/07/2021
106	B	OSD & WSUD Details and Calculation Sheets Sheet 3 of 3	Ace Civil Stormwater Services Pty Ltd	27/07/2021
107	B	Sediment & Erosion Control Plan and Details	Ace Civil Stormwater Services Pty Ltd	27/07/2021
108	B	Miscellaneous Details Sheet	Ace Civil Stormwater Services Pty Ltd	27/07/2021

Landscape Plans – Ref: LPDA 21 - 114

Drawing No.	Rev No.	Title	Prepared By	Dated
1	D	Hardscape / Site Plan	Conzept Landscape Architects	29.07.21
2	D	Landscape Plan [Ground + Level 1]	Conzept Landscape Architects	29.07.21
3	D	Specifications & Details	Conzept Landscape Architects	29.07.21
4	D	Details	Conzept Landscape Architects	29.07.21
5	D	Details	Conzept Landscape Architects	29.07.21

Supporting Documents

Document(s)	Prepared By	Dated
Operational Plan of Management	Planning Lab	23 July 2021
Traffic and Parking Impacts Report Ref: 20092 Rep 01a	TEF Consulting	22/07/2021
Access Report	Design Right Consulting	26 July 2021
Acoustic Report Ref: SYD2018-1022-R003D	Acouras Consulting	21/07/2021
Arborist Report Ref: 6591 (3758)	RedGum Horticultural Consultants	13 October 2020
Waste Management Plan	Dickens Solutions Pty Ltd	October 2020

Note: In the event of any inconsistency between the architectural plan(s) and the landscape plan(s) and/or stormwater disposal plan(s) (if applicable), the architectural plan(s) shall prevail to the extent of the inconsistency.

Reason: To ensure the work is carried out in accordance with the approved plans.

- All building work must be carried out in accordance with the current provisions of the Building Code of Australia (National Construction Code).

Reason: To comply with the Environmental Planning & Assessment Act 1979, as amended and the Environmental Planning & Assessment Regulation 2000.

3. Prior to commencement of any construction works associated with the approved development (including excavation if applicable), it is mandatory to obtain a Construction Certificate. Plans, specifications and relevant documentation accompanying the Construction Certificate must include any requirements imposed by conditions of this Development Consent.

Reason: To ensure compliance with legislative requirements.

4. The development must be constructed within the confines of the property boundary. No portion of the proposed structure, including footings/slabs, fences, gates and doors during opening and closing operations must encroach upon Council's footpath area or the boundaries of the adjacent properties.

Reason: To ensure no injury is caused to persons and the building is erected in accordance with the approval granted within the boundaries of the site.

5. Trees to be retained are:

Tree No.	Name	Common Name	Location	Tree Protection Zone (m) radius
1	<i>Eucalyptus saligna</i>	Sydney Blue Gum	Rear garden	10.8m
2	<i>Eucalyptus microcorys</i>	Tallowwood	Rear garden	7.2m
6	<i>Eucalyptus microcorys</i>	Tallowwood	2 Freeman Place	4.68m
7	<i>Eucalyptus microcorys</i>	Tallowwood	2 Freeman Place	2.64m

Reason: To protect significant trees which contribute to the landscape character of the area.

6. Approval is granted for the demolition of all buildings and outbuildings currently on the property, subject to compliance with the following:-

- (a) Demolition is to be carried out in accordance with the applicable provisions of Australian Standard AS2601-2001 - Demolition of Structures.

Note: Developers are reminded that WorkCover requires that all plant and equipment used in demolition work must comply with the relevant Australian Standards and manufacturer specifications.

- (b) The developer is to notify owners and occupiers of premises on either side, opposite and at the rear of the development site 5 working days prior to demolition commencing. Such notification is to be a clearly written on A4 size paper giving the date demolition will commence and is to be placed in the letterbox of every premises (including every residential flat or unit, if any). The demolition must not commence prior to the date stated in the notification.

- (c) 5 working days (i.e., Monday to Friday with the exclusion of Public Holidays) notice in writing is to be given to City of Parramatta for inspection of the site

prior to the commencement of works. Such written notice is to include the date when demolition will commence and details of the name, address, business hours, contact telephone number and licence number of the demolisher. Works are not to commence prior to Council's inspection and works must also not commence prior to the commencement date nominated in the written notice.

- (d) On the first day of demolition, work is not to commence until City of Parramatta has inspected the site. Should the building to be demolished be found to be wholly or partly clad with asbestos cement, approval to commence demolition will not be given until Council is satisfied that all measures are in place so as to comply with Work Cover's document "Your Guide to Working with Asbestos", and demolition works must at all times comply with its requirements.
- (e) On demolition sites where buildings to be demolished contain asbestos cement, a standard commercially manufactured sign containing the words "DANGER ASBESTOS REMOVAL IN PROGRESS" measuring not less than 400mm x 300mm is to be erected in a prominent visible position on the site to the satisfaction of Council's officers. The sign is to be erected prior to demolition work commencing and is to remain in place until such time as all asbestos cement has been removed from the site to an approved waste facility. This condition is imposed for the purpose of worker and public safety and to ensure compliance with Clause 469 of the Work Health and Safety Regulation 2017.
- (f) Demolition must not commence until all trees required to be retained are protected in accordance with the conditions detailed under "Prior to Works Commencing" in this Consent.
- (g) All previously connected services are to be appropriately disconnected as part of the demolition works. The applicant is obliged to consult with the various service authorities regarding their requirements for the disconnection of services.
- (h) Demolition works involving the removal and disposal of asbestos cement in excess of 10 square meters, must only be undertaken by contractors who hold a current WorkCover "Demolition Licence" and a current WorkCover "Class 2 (Restricted) Asbestos Licence".
- (i) Demolition is to be completed within 5 days of commencement.
- (j) Demolition works are restricted to Monday to Friday between the hours of 7.00am to 5.00pm. No demolition works are to be undertaken on Saturdays, Sundays or Public Holidays.
- (k) 1.8m high Protective fencing is to be installed to prevent public access to the site.
- (l) Occupation of any part of the footpath or road at or above (carrying out work, storage of building materials and the like) during construction of the development shall require a Road Occupancy Permit from Council. The applicant is to be required to submit an application for a Road Occupancy Permit through Council's Traffic and Transport Services, prior to carrying out the construction/restoration works.
- (m) Oversize vehicles using local roads require Council's approval. The applicant is to be required to submit an application for an Oversize Vehicle

Access Permit through Council's Traffic and Transport Services, prior to driving through local roads within Parramatta LGA.

- (n) All asbestos laden waste, including asbestos cement flat and corrugated sheets must be disposed of at a tipping facility licensed by the Environment Protection Authority (EPA).
- (o) Before demolition works begin, adequate toilet facilities are to be provided.
- (p) After completion, the applicant must notify City of Parramatta within 7 days to assess the site and ensure compliance with AS2601-2001 – Demolition of Structures.
- (q) Within 14 days of completion of demolition, the applicant must submit to Council:
 - (i) An asbestos clearance certificate issued by a suitably qualified person if asbestos was removed from the site; and
 - (ii) A signed statement verifying that demolition work and the recycling of materials was undertaken in accordance with the Waste Management Plan approved with this consent. In reviewing such documentation Council will require the provision of original.
 - (iii) Payment of fees in accordance with Council's current schedule of fees and charges for inspection by Parramatta Council of the demolition site prior to commencement of any demolition works and after the completion of the demolition works.

Reason: To protect the amenity of the area.

- 7. The operation of the premises is to be conducted in a manner which does not pollute waters as defined by the Protection of the Environment Operations Act 1997.

Reason: To ensure that stormwater drains are not polluted.

- 8. Liquid and solid wastes generated on the site shall be collected, transported and disposed of in accordance with the Protection of the Environment Operations (Waste) Regulation 2014 and in accordance with NSW Environment Protection Authority (EPA) Waste Classification Guidelines.

Reason: To prevent pollution of the environment.

- 9. Stockpiles of topsoil, sand, aggregate, soil or other material are not to be located on any drainage line or easement, natural watercourse, footpath or roadway and shall be protected with adequate sediment controls.

Reason: To ensure that building materials are not washed into stormwater drains.

- 10. Any lighting on the site shall be designed so as not to cause nuisance to other residences in the area or to motorists on nearby roads and to ensure no adverse impact on the amenity of the surrounding area by light overspill. All lighting shall comply with the Interim Australian Standard DR AS/NZS 4282:2018 The Control of the Obtrusive Effects of Outdoor Lighting.

Reason: To protect the amenity of the surrounding neighbourhood from the emission of light.

11. Site water discharged must not exceed suspended solid concentrations of 50 parts per million, and must be analysed for pH and any contaminants of concern identified during the preliminary or detailed site investigation, prior to discharge to the stormwater system. The analytical results must comply with relevant Environmental Protection Authority (EPA) and ANZ Guidelines for Fresh and Marine Water Quality.

Other options for the disposal of excavation pump-out water include disposal to sewer with prior approval from Sydney Water, or off-site disposal by a liquid waste transporter for treatment/disposal to an appropriate waste treatment/processing facility.

Reason: To prevent pollution of waterways.

12. Erosion and sediment control measures are to be installed in accordance with the publication 'Urban Stormwater: Soils and Construction "The Blue Book" 2004 (4th edition) prior to the commencement of any demolition, excavation or construction works upon the site. These measures are to be maintained throughout the entire works.

Reason: To ensure soil and water management controls are in place before site works commence.

13. Works are not to result in sedimentation and or run-off from the approved works onto the adjoining properties and or public lands. The person having the benefit of this consent must ensure sediment is not tracked out from the development site.

Reason: To ensure no adverse impacts on neighbouring properties.

14. All waste storage rooms/areas are to be fully screened from public view and are to be located clear of all landscaped areas, driveways, turning areas, truck standing areas and car parking spaces. No materials, waste matter or products are to be stored outside the building or any approved waste storage area at any time.

Reason: To maintain the amenity of the area.

15. The following street trees shall be planted within the road reserve;

Qty	Name	Common Name	Minimum Pot Size	Name of Street Frontage
2	<i>Buckinghamia celsissima</i>	Ivory Curl	45L	Mobbs Lane

Note: All approved street tree plantings shall be planted a minimum of 3m from any driveway and minimum 4m apart.

Reason: To ensure restoration of environmental amenity.

Prior to the issue of a Construction Certificate

(Note: Some conditions contained in other sections of this consent (including prior to occupation/use commencing) may need to be considered when preparing detailed drawings/specifications for the Construction Certificate.)

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16. Plans and documents submitted must include the following with an application for a Construction Certificate:

- (a) Construction details are to be provided by a suitably qualified structural engineer showing substrate depth, drainage, waterproofing for all planting on structures, tree planting on structures, including planting over on-site detention tanks, raised planters and rooftop gardens. All raised planting boxes/beds containing trees must be retained to a minimum height of 800mm.
- (b) Soil volume, soil depth and soil area must meet the prescribed standards in "Apartment Design Guide – tools for improving the design of residential apartment development" (NSW Department of Planning and Environment, 2015).
- (c) Tree planting densities shall not exceed the prescribed soil volume and area required for plant type and any soil mounding must not exceed a maximum 1:8 grade which must be demonstrated on amended plans and certified by a suitably qualified Landscape Architect.
- (d) A specification ('Fit-for-purpose' performance description) for soil type and a maintenance schedule specified by a suitably qualified Soil Scientist, to ensure sufficient nutrient and water availability is achieved.

Reason: To ensure the creation of functional gardens.

17. Prior to the issue of Construction Certificate, the applicant is to submit plans and specifications for locks on the side gates which prevent access from a person entering from the street, for security reasons, and which can be easily opened by staff in the event of an emergency to permit emergency egress. The locks must be child-proof.

Reason: To permit emergency egress by staff and children and to provide security at all other times.

18. The Construction Certificate is not to be issued unless the Certifying Authority is satisfied the required levy payable, under Section 34 of the Building and Construction Industry Long Service Payments Act 1986, has been paid.

Reason: To ensure that the levy is paid.

19. A monetary contribution comprising \$22,616.00 is to be paid to City of Parramatta Council in accordance with Section 7.12 of the Environmental Planning and Assessment Act 1979 and the *Parramatta Section 94A Development Contributions Plan (Amendment No. 5)*. Payment must be by EFTPOS, bank cheque or credit card only.

The contribution levy is subject to indexation on a quarterly basis in accordance with movements in the Consumer Price Index (All Groups Index) for Sydney issued by the Australian Statistician. At the time of payment, the contribution levy may have been the subject of indexation.

Parramatta Section 94A Development Contributions Plan (Amendment No. 5) can be viewed on Council's website at:

<https://www.cityofparramatta.nsw.gov.au/business-development/planning/development-contributions>

Reason: To comply with legislative requirements and to provide for the increased demand for public amenities and services resulting from the development.

20. An Environmental Enforcement Service Charge must be paid to Council prior to the issue of a Construction Certificate. The fee will be in accordance with Council's adopted 'Fees and Charges' at the time of payment.

Note: Council's Customer Service Team can advise of the current fee and can be contacted on 9806 5524.

Reason: To comply with Council's adopted Fees and Charges Document and to ensure compliance with conditions of consent.

21. An Infrastructure and Restoration Administration Fee must be paid to Council prior to the issue of a Construction Certificate.

The fee will be in accordance with Council's adopted 'Fees and Charges' at the time of payment.

Note: Council's Customer Service Team can advise of the current fee and can be contacted on 9806 5524.

Reason: To comply with Council's adopted Fees and Charges Document and to ensure compliance with conditions of consent.

22. In accordance with Section 4.17 of the Environmental Planning and Assessment Act 1979, security bonds are payable to Council for the protection of the adjacent road pavement and public assets during construction works. The bond(s) are to be lodged with Council prior to the issue of any application/approval associated with the allotment, (being a Hoarding application, Construction Certificate) and prior to any demolition works being carried out where a Construction Certificate is not required.

The bond may be paid, by EFTPOS, bank cheque, or be an unconditional bank guarantee.

Should a bank guarantee be lodged it must:

- (a) Have no expiry date;
- (b) Be forwarded directly from the issuing bank with a cover letter that refers to Development Consent DA 716/2019;
- (c) Specifically reference the items and amounts being guaranteed. If a single bank guarantee is submitted for multiple items it must be itemised.

Should it become necessary for Council to uplift the bank guarantee, notice in writing will be forwarded to the applicant fourteen days prior to such action being taken. No bank guarantee will be accepted that has been issued directly by the applicant.

Bonds shall be provided as follows:

Bond Type	Amount
Nature Strip and Roadway: <i>Applies to all developments with a cost greater than \$25K and swimming pools regardless of cost (fee is per street frontage). See current Schedule of Fees and Charges.</i>	\$25,750.00

A dilapidation report is required to be prepared and submitted electronically to the City of Parramatta Council (council@cityofparramatta.nsw.gov.au) prior to any work or demolition commencing and with the payment of the bond/s.

The dilapidation report is required to document/record any existing damage to kerbs, footpaths, roads, nature strips, street trees and furniture within street frontage/s bounding the site up to and including the centre of the road.

Reason: To safe guard the public assets of council and to ensure that these assets are repaired/maintained in a timely manner so as not to cause any disruption or possible accidents to the public.

23. All roof water and surface water is to be connected to an operable drainage system. Details are to be shown on the plans and documentation accompanying the application for a Construction Certificate.

Reason: To ensure satisfactory stormwater disposal.

24. If no retaining walls are marked on the approved plans no approval is granted as part of this approval for the construction of any retaining wall that is greater than 600mm in height or within 900mm of any property boundary.

The provision of retaining walls along common boundary lines shall not impact on neighbouring properties. If impact upon neighbouring properties (including fences) is anticipated, then written approval from the affected neighbour shall be obtained and submitted to the certifying authority prior commencement of the works.

Structural details, certified by a practicing structural engineer, shall accompany the application for a Construction Certificate for assessment and approval by the certifying authority.

Reason: To minimise impact on adjoining properties.

25. A building plan approval must be obtained from Sydney Water Tap in™ to ensure that the approved development will not impact Sydney Water infrastructure.

A copy of the building plan approval receipt from Sydney Water Tap in™ must be submitted to the Principal Certifying Authority upon request prior to works commencing.

Please refer to the website <http://www.sydneywater.com.au/tapin/index.htm>, Sydney Water Tap in™, or telephone 13 20 92.

Reason: To ensure the requirements of Sydney Water have been complied with.

26. Prior to any excavation on or near the subject site the person/s having benefit of this consent are required to contact the NSW Dial Before You Dig Service (NDBYD) on 1100 to receive written confirmation from NDBYD that the proposed excavation will not conflict with any underground utility services. The person/s having the benefit of this consent are required to forward the written confirmation from NDBYD to their Principal Certifying Authority (PCA) prior to any excavation occurring.

Reason: To ensure Council's assets are not damaged.

27. Prior to the issue of the Construction Certificate, the Certifying Authority must be satisfied the proposed basement to the rear will be designed so as to not require any over-excavating to reduce any additional impact on the trees required to be retained. In order to reduce any further impact on the root structure, shore-piling construction is to be used within the radiuses of the nominated trees shown in the table below.

The design of the acoustic fencing to the rear boundaries must demonstrate that the location of posts and base of the fence will avoid severing or damaging any major roots (>30mm dia) within the nominated radiuses of the trees as indicated below. The design of the acoustic fence shall also be without the proposed 0.9m splay, in order to protect the trunks of trees to be retained.

In addition to the above, the overflow path as shown on the stormwater plan 103 by Australian Consulting Engineers will be designed without using any concrete kerb edging, nor using traditional installation methods such as excavation, cultivation or compaction of the soil to form it. The existing soil will be retained in place. The stormwater flow path bund must be formed using imported soil above the natural grade within the nominated radiuses of the trees shown below:

Tree No.	Name	Common Name	Radius from the trunk
1	<i>Eucalyptus saligna</i>	Sydney Blue Gum	10.8m
2	<i>Eucalyptus microcorys</i>	Tallowwood	7.2m

Plans submitted with the Construction Certificate application must reflect the above requirements.

Reason: To ensure adequate protection of existing trees.

28. The final Landscape Plan must be consistent with plans numbered LPDA 21 – 114 drawings 1 to 3 rev D, dated 27.07.2021, prepared by Conzept together with any additional criteria required by the Development Consent to the satisfaction of the Certifying Authority addressing the following requirements:
- (a) Retention of trees to be numbered as per the Arboricultural Impact Assessment Report by Redgum Horticultural.
 - (b) Removal of the concrete kerb within the Tree Protection Zone (TPZ) of the trees to be retained. Refer to the Arborist Report for measurements.

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- (c) Remove all proposed plants within the Structural Root Zone (SRZ) of the trees to be retained and protected. Refer to the Arborist Report for measurements.
 - (d) Add note – 'no excavation, cultivation or compaction of the soil is to occur within the TPZ of trees to be retained and protected'.
 - (e) Delete the Tree Protection Zone detail on drawing 3 and refer to the Arboricultural Impact Assessment Report and Tree Management Plan by Redgum Horticultural for protection details. In addition ensure the note regarding pruning is removed. Approval will need to be sort from Council for any pruning.
 - (f) Provide a detail for a Typical Planting Detail within the Tree Protection Zone to ensure minimal cultivation and excavation occurs.
 - (g) Provide a detail for the tree planting on-slab. Soil depths to be minimum 900mm. Ensure soil volume meets the prescribed standards in 'Apartment Design Guide – tools for improving the design of residential apartment developments' (NSW department of Planning and Environment 2015) to ensure the soil volume supports the mature growth of the proposed trees on the roof terrace.
 - (h) Indicate the location and height of the proposed acoustic fencing on the plan and refer to e acoustic report for further details.
 - (i) Screen planting is to be provided to all boundaries edges, including the level 1 roof terrace. This is to be located in front of the acoustic fencing to provide privacy and amenity. Planting to be minimum 900mm wide.
 - (j) Indicate 2 x street trees on the plan.
 - (k) Update the planting schedule to include the above changes.

Reason: To ensure restoration of environmental amenity.

29. The PCA shall ascertain that any new element in the basement carpark not illustrated on the approved plans such as columns, garage doors, fire safety measures and the like do not compromise appropriate manoeuvring and that compliance is maintained with AS 2890.1, AS 2890.2 and AS 2890.6. Details are to be illustrated on plans submitted with the construction certificate application.

Reason: To ensure appropriate vehicular manoeuvring is provided.

30. Three (3) bicycle spaces/racks are to be provided on-site and used accordingly. The bicycle storage/racks are to comply with AS 2890.3-2015. Details are to be illustrated on plans submitted with the construction certificate.

Reason: To comply with Council's parking requirements.

31. Parking spaces are to be provided in accordance with the approved plans and with AS 2890.1, AS 2890.2 and AS 2890.6. A total of 14 parking spaces is to be provided and be allocated as follows:

- a) Six (6) parking spaces for staff parking;
- b) Eight (8) visitor parking spaces including one (1) space as accessible parking.

Details are to be illustrated on plans submitted with the construction certificate application.

Reason: To comply with Council's parking requirements and Australian Standards.

32. The applicant is to submit a separate application for the proposed installation of 'No Parking' restriction along the site frontage on Mobbs Lane to Council's Traffic and Transport Services section for consideration by the Parramatta Traffic Committee under Delegated Authority and Council's approval. The construction of the approved treatment is to be carried out by the applicant and all costs associated with the supply and construction of the traffic facility and appropriate signage are to be paid for by the applicant at no cost to Council.

Reason: To comply with Roads Act 1993.

33. A heavy duty vehicular crossing shall be constructed in accordance with Council's Standard Drawing numbers DS9 and DS10. Details must accompany an application for a Construction Certificate to the satisfaction of the Certifying Authority.

A Vehicle Crossing application must be submitted to Council together with the appropriate fee as outlined in Council's adopted Fees and Charges prior to any work commencing.

Reason: To ensure appropriate vehicular access is provided.

34. All mechanical exhaust ventilation from the car park is to be ventilated away from the property boundaries of the adjoining dwellings, away from children's play areas, and in accordance with the provisions of AS1668.1 - 2015 – 'The use of ventilation and air conditioning in buildings' – 'Fire and smoke control in multi-compartmented buildings'. Details showing compliance are to accompany an application for a Construction Certificate.

Reason: To preserve community health and ensure compliance with acceptable standards.

35. Where work is likely to disturb or impact upon utility installations, (e.g. power pole, telecommunications infrastructure etc.) written confirmation from the affected utility provider that they raise no objections to the proposed works must accompany an application for a Construction Certificate to the satisfaction of the Certifying Authority.

Reason: To ensure no unauthorised work to public utility installations and to minimise costs to Council.

36. Council property adjoining the construction site must be fully supported at all times during all demolition, excavation and construction works. Details of any required shoring, propping and anchoring devices adjoining Council property, are to be prepared by a qualified structural or geotechnical engineer. These details must accompany an application for a Construction Certificate and be to the satisfaction of the Principal Certifying Authority (PCA). A copy of these details must be forwarded to Council prior to any work being commenced.

Backfilling of excavations adjoining Council property or any void remaining at the completion of the construction between the building and Council property must be fully compacted prior to the completion of works.

Reason: To protect Council's infrastructure.

37. Electricity provision within the site is to be designed so that in the future the electrical connection from this site can be made to an underground connection within the street. Certification from an energy provider addressing their requirements for this provision is to be forwarded to the Certifying Authority with the application for a Construction Certificate.

Reason: To enable future upgrading of electricity services.

38. Where shoring will be located on or will support Council property, engineering details of the shoring are to be prepared by an appropriately qualified and practising structural engineer. These details are to include the proposed shoring devices, the extent of encroachment and the method of removal and de-stressing of the shoring elements. These details shall accompany the application for a Construction Certificate. A copy of this documentation must be provided to Council for record purposes. All recommendations made by the qualified practising structural engineer must be complied with.

Reason: To ensure the protection of existing public infrastructure and adjoining properties.

39. The finished ground level adjacent to buildings shall have a minimum 1% grade to divert surface runoff away from the buildings.

If the required freeboard cannot be achieved, the minimum finish floor level of habitable and non-habitable floors is to be set in accordance with the *National Construction Code Series (2019 or the latest available version)*. In this regard, surface runoff must be diverted away from buildings as detailed in the NCC (2019 or the latest available version).

Reason: To prevention of surface water entry into the building

40. The basement stormwater pump-out system, must be designed and constructed to include the following:
- (a) A holding tank capable of storing the run-off from a 100 year ARI (average reoccurrence interval) - 2 hour duration storm event, allowing for pump failure.
 - (b) A two pump system (on an alternate basis) capable of emptying the holding tank at a rate equal to the lower of:
 - (i) The permissible site discharge (PSD) rate; or
 - (ii) The rate of inflow for the one hour, 5 year ARI storm event.
 - (c) An alarm system comprising of basement pump-out failure warning sign together with a flashing strobe light and siren installed at a clearly visible location at the entrance to the basement in case of pump failure.
 - (d) A 100 mm freeboard to all parking spaces.
 - (e) Submission of full hydraulic details and pump manufacturers specifications.

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- (f) Pump out system to be connected to a stilling pit and gravity line before discharge to the street gutter.

Plans and design calculations along with certification from the designer indicating that the design complies with the above requirements are to be submitted to the satisfaction of the Principal Certifying Authority prior to issue of the Construction Certificate.

Reason: To ensure satisfactory storm water disposal.

41. All Comments and Recommendations specified in the Geotechnical Investigation Report and the Preliminary Site Investigation with Limited Sampling, prepared by eiaustralia, Report No. E23726.E01_Rev 1, dated 30 October 2020 shall be adopted at the final construction design, excavation and construction stages.

Reason: To ensure the recommendations and requirements made in the Geotechnical Investigation Reports are followed through for the development.

42. Accessible car-parking spaces must be provided as part of the total car-parking requirements and to be in accordance with the approved traffic plans and report. These spaces and access to these spaces must comply with AS2890.6 - 'Parking facilities' - 'Off-street parking for people with disabilities and AS1428.1 - 'Design for access and mobility' - General requirements for access - New building work' 2001 and 2009 and AS1428.4 - 'Design for access and mobility' - 'Tactile ground surface indicators for orientation of people with vision impairment' - 'Means to assist the orientation of people with vision impairment - Tactile ground surface indicators' 1992 and 2009.

Details are to accompany an application for a Construction Certificate to the satisfaction of the Certifying Authority.

Reason: To ensure equity of access and appropriate facilities are available for people with disabilities in accordance with Federal legislation.

43. The grades of the driveway, including transitions, must comply with Australian Standard 2890.1 to prevent the underside of the vehicles scraping. Where the geometric change in grade exceeds 18%, the gradients of the driveway and ramps shall be checked using the method at Appendix C in AS2890.1:2004 and adjustments will be made to accommodate suitable transition lengths. Details are to be provided with the application for a Construction Certificate.

Reason: To provide suitable vehicle access without disruption to pedestrian and vehicular traffic.

44. The PCA shall ascertain that any new element in the basement carpark not illustrated on the approved plans such as columns, garage doors, fire safety measures and the like do not compromise appropriate manoeuvring and that compliance is maintained with AS 2890.1, AS 2890.2 and AS 2890.6. Details are to be illustrated on plans submitted with the construction certificate application.

Reason: To ensure appropriate vehicular manoeuvring is provided.

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45. The applicant is required to provide a minimum 100mm freeboard for non-habitable floors and 200mm freeboard for habitable floors from finished ground level adjacent to buildings. The finished ground level adjacent to buildings shall have a minimum 1% grade to divert surface runoff away from the buildings.

If the required freeboard cannot be achieved, the minimum finish floor level of habitable and non-habitable floors is to be set in accordance with the *National Construction Code Series (2019 or the latest available version)*. In this regard, surface runoff must be diverted away from buildings as detailed in the NCC (2019 or the latest available version).

Reason: To prevention of surface water entry into the building

46. Full engineering construction details of the stormwater system, including OSD structures, pipe networks and calculations as per following points, shall be submitted for the approval of the PCA prior to release of the Construction Certificate for any work on the site.
- (a) The stormwater drainage detail design shall be prepared by a Registered Stormwater Design Engineer and shall be generally in accordance with the following Stormwater Plans approved by this consent and with Council's Stormwater Disposal Policy, Council's Design and Development Guidelines, The Upper Parramatta River Catchment Trust On Site Detention Hand book (Third or Fourth Edition), the relevant Australian Standards and the National Construction Code:
- i. Stormwater Concept Plans Cover Sheet, Notes & Legend, Drawing No. 000, Issue B, dated 27/07/2021, prepared by ACE Stormwater Services Pty Ltd.
 - ii. Stormwater Concept Plan, Basement Level Sheet 1 of 2, Drawing No. 101, Issue B, dated 27/07/2021, prepared by ACE Stormwater Services Pty Ltd.
 - iii. Stormwater Concept Plan, Basement Level Sheet 2 of 2, Drawing No. 102, Issue B, dated 27/07/2021, prepared by ACE Stormwater Services Pty Ltd.
 - iv. Stormwater Concept Plan, Drawing No. 103, Issue B, dated 27/07/2021, prepared by ACE Stormwater Services Pty Ltd.
 - v. OSD & WSUD Details and Calculation Sheets, Sheet 1 of 3, Drawing No. 104, Issue B, dated 27/07/2021, prepared by ACE Stormwater Services Pty Ltd.
 - vi. OSD & WSUD Details and Calculation Sheets, Sheet 2 of 3, Drawing No. 105, Issue B, dated 27/07/2021, prepared by ACE Stormwater Services Pty Ltd.

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- vii. OSD & WSUD Details and Calculation Sheets, Sheet 3 of 3, Drawing No. 106, Issue B, dated 27/07/2021, prepared by ACE Stormwater Services Pty Ltd.
 - viii. Sediment & Erosion Control Plan and Details, Drawing No. 107, Issue B, dated 27/07/2021, prepared by ACE Stormwater Services Pty Ltd.
 - ix. Miscellaneous Details Sheet, Drawing No. 108, Issue B, dated 27/07/2021, prepared by ACE Stormwater Services Pty Ltd.
- (b) A Site Storage Requirement of 250 m³/ha and a Permissible Site Discharge of 210 L/s/ha (when using 3rd edition of UPRCT's handbook).
 - (c) Adequate grate(s) to be provided so the OSD tank storage area can be inspected from outside for silt and debris, and to ensure adequate cross ventilation within the tank. All access covers to the OSD / WSUD tanks shall be fitted with childproof locking devices. Details shall be included in the final drainage plans submitted for approval with the Construction Certificate application.
 - (d) The swale along the western boundary line shall only be occupied by landscaping that is compatible with a flow path. In this regard plants and surface preparation shall be selected on their compatibility with a swale environment. No loose bedding material including, uncovered soil, wood chip, bark or mulch or material that will interfere with free flow will be accepted.
 - (e) All out door surfaces including play areas shall direct flows to the designated surface inlet pits. No surface inlet pit nor any other drainage infrastructure shall be located within a play area.
 - (f) Certificate from registered structural engineer certifying the designed structural adequacy of the OSD tank structure.

Reason: To minimise the quantity of storm water run-off from the site, surcharge from the existing drainage system and to manage downstream flooding.

- 47. The stormwater management systems are designed in accordance with the water sensitive urban design principles and shall comply with the Parramatta City Council's Development Control Plan. The quality of the stormwater flow from the developed site shall be improved to achieve following pollutant retention target prior to discharge into the council's drainage/ creek system. The designer shall ensure and certify that the stormwater management system will achieve these following objectives.

Gross Pollutants:	90% reduction in the post development mean annual load of total gross pollutant load (greater than 5mm)
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Total Suspended Solids: 85% reduction in the post development mean annual load of Total Suspended Solids (TSS)
Total Phosphorus: 60% reduction in the post development mean annual load of Total Phosphorus (TP)
Total Nitrogen 45% reduction in the post development mean annual load of Total Nitrogen (TN)

Hydrocarbons, motor oils, oil and grease No visible oils for flows up to 50% of the one-year ARI peak flow specific for service stations, depots, vehicle body repair workshops, vehicle repair stations, vehicle sales or hire premises, car parks associated with retail premises, places of public worship, tourist and visitor accommodation, registered clubs and pubs

A senior design personnel from the product provider shall approve the design of the WSUD chamber and its incorporation into the OSD system. Upon completion of the works a satisfactory inspection shall be carried out and a compliance certificate provided and forwarded to the certifying authority prior to the issue of an Occupation Certificate.

Reason: To ensure that the water quality management.

48. Dust control measures shall be implemented during all periods of earth works, demolition, excavation and construction to minimise the dust nuisance on surrounding properties. In this regard, dust minimisation practices must be carried out in accordance with Council's Guidelines for Controlling Dust from Construction Sites and Section 126 of the Protection of the Environment Operations Act 1997.

Reason: To protect the amenity of the area.

49. Any new information which comes to light during remediation, demolition or construction works which has the potential to alter previous conclusions about site contamination shall be notified to the Council and the principal certifying authority immediately.

Reason: To ensure that the land is suitable for its proposed use and poses no risk to the environment and human health.

50. Prior to the issue of a Construction Certificate, written certification from a suitably qualified person(s) shall be submitted to the Principal Certifying Authority and City of Parramatta Council, stating that appropriate design and construction materials are to be utilised within the development to ensure compliance with the following noise criteria specified for managing the noise impact on child-care centres from rail corridors and/or busy roads:

(a) In any area: 40dB(A) at all times.

Reason: Compliance with relevant noise amenity criteria in Infrastructure SEPP.

51. Separate waste bins are to be provided on site for recyclable waste.

Reason: To provide for the appropriate collection/recycling of waste from the proposal whilst minimising the impact of the development upon adjoining residents.

Prior to Work Commencing

52. Prior to commencement of work, the person having the benefit of the Development Consent and Construction Certificate approval must:

- (a) Appoint a Principal Certifying Authority (PCA) and notify Council in writing of the appointment (irrespective of whether Council or an accredited private certifier) within 7 days of the appointment, and at least 7 days prior to the commencement of works ; and
- (b) Notify Council in writing a minimum of 2 full business days prior to work commencing of the intended date of commencement.

The Principal Certifying Authority must determine and advise the person having the benefit of the Construction Certificate when inspections, certification and compliance certificates are required.

Reason: To comply with legislative requirements.

53. Prior to the commencement of any works on site, the applicant must submit a Construction and Traffic Management Plan to the satisfaction of the Principle Certifying Authority. The following matters must be specifically addressed in the Plan:

- (a) Construction Management Plan for the Site. A plan view of the entire site and frontage roadways indicating:
 - (i) Dedicated construction site entrances and exits, controlled by a certified traffic controller, to safely manage pedestrians and construction related vehicles in the frontage roadways,
 - (ii) Turning areas within the site for construction and spoil removal vehicles, allowing a forward entry and egress for all construction vehicles on the site,
 - (iii) The locations of proposed Work Zones in the egress frontage roadways,
 - (iv) Location of any proposed crane standing areas,
 - (v) A dedicated unloading and loading point within the site for all construction vehicles, plant and deliveries,
 - (vi) Material, plant and spoil bin storage areas within the site, where all materials are to be dropped off and collected,
 - (vii) The provisions of an on-site parking area for employees, tradesperson and construction vehicles as far as possible.
 - (viii) A detailed description and route map of the proposed route for vehicles involved in spoil removal, material delivery and machine floatage and a copy of this route is to be made available to all contractors.

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- (ix) A detailed description of locations that will be used for layover for trucks waiting to access the construction site.
 - (b) Written concurrence from Council's Traffic and Transport Services in relation to installation of a proposed 'Works Zone' restriction in the egress frontage roadways of the development site.

Application fees and kerbside charges for 6 months (minimum) are to be paid in advance in accordance with the Council's Fees and Charges. The 'Works Zone' restriction is to be installed by Council once the applicant notifies Council in writing of the commencement date (subject to approval through Parramatta Traffic Committee processes). Unused fees for kerbside charges are to be refunded once a written request to remove the restriction is received by Council.

- (c) Traffic Control Plan(s) for the site:
 - (i) All traffic control devices installed in the road reserve shall be in accordance with the NSW Transport Roads and Maritime Services publication 'Traffic Control Worksite Manual' and be designed by a person licensed to do so (minimum RMS 'red card' qualification) The main stages of the development requiring specific construction management measures are to be identified and specific traffic control measures identified for each,
 - (ii) Approval shall be obtained from City of Parramatta Council for any temporary road closures or crane use from public property.
- (d) Where applicable, the plan must address the following:
 - (i) Evidence of Roads and Maritime Services concurrence where construction access is provided directly or within 20 m of an Arterial Road,
 - (ii) A schedule of site inductions shall be held on regular occasions and as determined necessary to ensure all new employees are aware of the construction management obligations.
 - (iii) Minimising construction related traffic movements during school peak periods.

The Construction and Traffic Management Plan shall be prepared by a suitably qualified and experienced traffic consultant and be certified by this person as being in accordance with the requirements of the abovementioned documents and the requirements of this condition.

Reason: To ensure that appropriate measures have been considered during all phases of the construction process in a manner that maintains the environmental amenity and ensures the ongoing safety and protection of people.

- 54. The applicant must apply for a road-opening permit where a new pipeline is proposed to be constructed within or across Council owned land. Additional road

opening permits and fees may be necessary where connections to public utilities are required (e.g. telephone, electricity, sewer, water or gas).

In addition, no drainage work can be carried out within the Council owned land without this permit being issued. A copy is required to be kept on site.

Reason: To protect Council's assets throughout the development process.

55. Prior to the commencement of any excavation works on site, the applicant must submit for approval by the Principal Certifying Authority (with an electronic copy forwarded to Council at council@cityofparramatta.nsw.gov.au) a dilapidation report on the visible and structural condition of all neighbouring structures within the 'zone of influence' of the excavation face to a depth of twice that of the excavation.

The report must include a photographic survey of the adjoining properties detailing their physical condition, both internally and externally, including such items as walls, ceilings, roof, structural members and other similar items. The report must be completed by a consulting structural/geotechnical engineer in accordance with the recommendation of the geotechnical report.

In the event that access to adjoining allotments for the completion of a dilapidation survey is denied, the applicant must demonstrate in writing that all reasonable steps have been taken to advise the adjoining allotment owners of the benefit of this survey and details of failure to gain consent for access to the satisfaction of the Principle Certifying Authority.

Note: This documentation is for record keeping purposes only, and can be made available to an applicant or affected property owner should it be requested to resolve any dispute over damage to adjoining properties arising from works. It is in the applicant's and adjoining owner's interest for it to be as detailed as possible.

Reason: Management of records.

56. The trees identified for protection within the consent shall be protected prior to and during the demolition/construction process in accordance with the Arboricultural Impact Assessment and Tree Management Plan 6591 (3758) prepared by Redgum Horticultural dated 13 October 2020 and the conditions of consent.

Reason: To ensure the protection of the trees to be retained on the site and adjacent to the site.

57. Prior to the commencement of any excavation works on site the applicant must submit, for approval by the Principal Certifying Authority (PCA), a geotechnical/civil engineering report which addresses (but is not limited to) the following:

- (a) The type and extent of substrata formations. A minimum of 4 representative bore hole logs which are to provide a full description of all material from the ground surface to a minimum of 1.0m below the finished basement floor level. The report is to include the location and description of any anomalies

encountered in the profile, and the surface and depth of the bore hole logs shall be to Australian Height Datum.

- (b) Having regard to the findings of the bore hole testing, details of the appropriate method of excavation/shoring together with the proximity to adjacent property and structures can be ascertained. As a result potential vibration caused by the method of excavation and how it will impact on nearby footings/foundations must be established together with methods to ameliorate any impact.
- (c) The proposed methods for temporary and permanent support required by the extent of excavation can be established.
- (d) The impact on groundwater levels in relation to the basement structure.
- (e) The drawdown effects if any on adjacent properties (including the road reserve), resulting from the basement excavation will have on groundwater together with the appropriate construction methods to be utilised in controlling groundwater.

Where it is considered there is potential for the excavation to create a "dam" for natural groundwater flows, a groundwater drainage system must be designed to transfer groundwater through or under the proposed development. This design is to ensure there is no change in the range of the natural groundwater level fluctuations. Where an impediment to the natural flow path of groundwater results, artificial drains such as perimeter drains and through drainage may be utilised.

- (f) The recommendations resulting from the investigations are to demonstrate the works can be satisfactorily implemented. An implementation program is to be prepared along with a suitable monitoring program (where required) including control levels for vibration, shoring support, ground level and groundwater level movements during construction.

The implementation program is to nominate suitable hold points for the various stages of the works in order verify the design intent before certification can be issued and before proceeding with subsequent stages. The geotechnical report must be prepared by a suitably qualified consulting geotechnical/hydrogeological engineer with demonstrated experience in such investigations and reporting. It is the responsibility of the engaged geotechnical specialist to undertake the appropriate investigations, reporting and specialist recommendations to ensure a reasonable level of protection to adjacent properties and structures both during and after construction. The report must contain site specific geotechnical recommendations and must specify the necessary hold/inspection points by relevant professionals as appropriate. The design principles for the geotechnical report are as follows:

- (i) No ground settlement or movement is to be induced which is sufficient enough to cause an adverse impact to adjoining property and/or infrastructure.
- (ii) No changes to the ground water level are to occur as a result of the development that is sufficient enough to cause an adverse impact to the surrounding property and infrastructure.

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- (iii) No changes to the ground water level are to occur during the construction of the development that is sufficient enough to cause an adverse impact to the surrounding property and infrastructure.
 - (iv) Vibration is to be minimised or eliminated to ensure no adverse impact on the surrounding property and infrastructure occurs, as a result of the construction of the development.
 - (v) Appropriate support and retention systems are to be recommended and suitable designs prepared to allow the proposed development to comply with these design principles.
 - (vi) An adverse impact can be assumed to be crack damage which would be classified as Category 2 or greater damage according to the classification given in Table CI of AS 2870 - 1996.

Reason: To ensure the ongoing safety and protection of property.

58. Erosion and sediment control measures are to be installed in accordance with the publication 'Urban Stormwater: Soils and Construction "The Blue Book" 2004 (4th edition) prior to the commencement of any demolition, excavation or construction works upon the site. These measures are to be maintained throughout the entire works.

Reason: To ensure soil and water management controls are in place before site works commence.

59. Prior to commencement of works and during construction works, the development site and any road verge immediately in front of the site must be maintained in a safe and tidy manner. In this regard the following must be undertaken:

- (a) all existing buildings are to be secured and maintained to prevent unauthorised access and vandalism
- (b) all site boundaries are to be secured and maintained to prevent unauthorised access to the site;
- (c) all general refuse and/or litter (inclusive of any uncollected mail/advertising material) is to be removed from the site on a fortnightly basis;
- (d) the site is to be maintained clear of weeds; and
- (e) all grassed areas are to be mowed on a monthly basis.

Reason: To ensure public safety and maintenance of the amenity of the surrounding environment.

60. If development involves excavation that extends below the level of the base, of the footings of a building on adjoining land, the person having the benefit of the development consent must, at the persons own expense:

- (a) Protect and support the adjoining premises from possible damage from the excavation
- (b) Where necessary, underpin the adjoining premises to prevent any such damage.

Note: If the person with the benefit of the development consent owns the adjoining land or the owner of the adjoining land has given consent in writing to the condition not applying, this condition does not apply.

Reason: As prescribed under the Environmental Planning and Assessment Regulation 2000.

61. Unless otherwise specifically approved in writing by Council, all works, processes, storage of materials, loading and unloading associated with the development are to occur entirely within the property boundaries. The applicant, owner or builder must apply for specific permits if the following activities are required seeking approval pursuant to Section 138 of the Roads Act 1993:

(a) On-street mobile plant:

E.g. Cranes, concrete pumps, cherry-pickers, etc. - restrictions apply to the hours of operation and the area where the operation will occur, etc. Separate permits are required for each occasion and each piece of equipment. It is the applicant's, owner's and builder's responsibilities to take whatever steps are necessary to ensure the use of any equipment does not violate adjoining property owner's rights.

(b) Storage of building materials and building waste containers (skips) on Council's property.

(c) Permits to utilise Council property for the storage of building materials and building waste containers (skips) are required for each location they are to be stored. Failure to obtain the relevant permits will result in the building materials or building waste containers (skips) being impounded. Storage of building materials and waste containers within Council's open space areas, reserves and parks is prohibited.

(d) Kerbside restrictions - construction zones:

The applicant's attention is drawn to the possible existing kerbside restrictions adjacent to the development. Should the applicant require alteration of existing kerbside restrictions, or the provision of a work zones, the appropriate application must be made to Council and the fee paid. Applicants should note that the alternatives of such restrictions may require referral to Council's Traffic Committee. An earlier application is suggested to avoid delays in construction programs..

The application is to be lodged with Council's Customer Service Centre.

Reason: Proper management of public land.

62. All works associated with the construction and/or extension of a driveway crossover/layback within Council owned land requires an application to be lodged and approved by Council.

All footpath crossings, laybacks and driveways are to be constructed according to Council's Specification for Construction or Reconstruction of Standard Footpath Crossings and in compliance with Standard Drawings DS1 (Kerbs & Laybacks); DS7 (Standard Passenger Car Clearance Profile); DS8 (Standard Vehicular Crossing); DS9 (Heavy Duty Vehicular Crossing) and DS10 (Vehicular Crossing Profiles).

The application for a driveway crossing requires the completion of the relevant application form and accompanied by plans, grades/levels and specifications. A

fee in accordance with Councils adopted 'Fees and Charges' will need to be paid at the time of lodgement.

Note 1: This development consent is for works wholly within the property. Development consent does not imply approval of the footpath or driveway levels, materials or location within the road reserve, regardless of whether the information is shown on the development application plans.

Note 2: Council's Customer Service Team can advise of the current fee and can be contacted on 9806 5524

Reason: To provide suitable vehicular access without disruption to pedestrian and vehicular traffic.

63. The site must be enclosed by a 1.8m high security fence erected wholly within the confines of the site to prevent unauthorised access. The fence must be installed to the satisfaction of the Principal Certifying Authority prior to the commencement of any work on site.

Reason: To ensure public safety.

64. A sign must be erected in a prominent position on any site involving excavation, erection or demolition of a building in accordance with Clause 98 A (2) of the Environmental Planning and Assessment Regulations 2000 detailing:

- (a) Unauthorised entry of the work site is prohibited;
- (b) The name of the principal contractor (or person in charge of the work site), their telephone number enabling 24hour contact; and
- (c) The name, address and telephone number of the Principal Certifying Authority;
- (d) The development consent approved construction hours;
- (e) The sign must be maintained during excavation, demolition and building work, and removed when the work has been completed.
- (f) This condition does not apply where works are being carried out inside an existing building.

Reason: Statutory requirement.

65. Prior to work commencing, adequate toilet facilities are to be provided on the work site.

Reason: To ensure adequate toilet facilities are provided.

66. Public risk insurance in the amount of not less than \$20 million or such other amount as Council may require by notice) must be obtained and furnished to Council before any works authorised by this consent are conducted:

- (a) Above;
- (b) Below; or
- (c) On

Any public land owned or controlled by Council. The public risk insurance must be maintained for the period during which these works are being undertaken.

The public risk insurance must be satisfactory to Council and list Council as an insured and/or interested party.

A copy of the insurance policy obtained must be forwarded to Council before any of the works commence.

Note: Applications for hoarding permits, vehicular crossing etc. will require evidence of insurance upon lodgement of the application.

Reason: To ensure the community is protected from the cost of any claim for damages arising from works authorised by this consent conducted above, below or on any public land owned or controlled by Council.

67. The preparation of an appropriate hazard management strategy by an appropriately licensed asbestos consultant pertaining to the removal of contaminated soil, encapsulation or enclosure of any asbestos material is required. This strategy shall ensure that any such proposed demolition works involving asbestos are carried out in accordance with the requirements of the 'Code of Practice: How to Safely Remove Asbestos' published by WorkCover NSW. The strategy shall be submitted to the Principal Certifying Authority, prior to the commencement of any works. The report shall confirm that the asbestos material has been removed or is appropriately encapsulated and that the site is rendered suitable for the development.

Reason: To ensure risks associated with the demolition have been identified and addressed prior to demolition work commencing.

68. On demolition sites where buildings are known to contain friable or non-friable asbestos material, standard warning signs containing the words 'DANGER ASBESTOS REMOVAL IN PROGRESS' measuring not less than 400mm x 300mm are to be erected in a prominent position on site visible from the street kerb. The sign is to be erected prior to demolition work commencing and is to remain in place until such time as all asbestos material has been removed from the site. Advice on the availability of these signs can be obtained by contacting the NSW Safework Authority hotline or their website www.safework.nsw.gov.au.

Reason: To comply with the requirements of the NSW Safework Authority.

69. An updated Waste Management Plan is to be submitted immediately after the letting of all contracts detailing the:

- (a) expected volumes and types of waste to be generated during the demolition and construction stages of the development;
- (b) destination of each type of waste, including the name, address and contact number for each receiving facility.

The Waste Management Plan is to be submitted to the satisfaction of the Principal Certifying Authority prior to commencement of any works on site.

Reason: To ensure waste is managed and disposed of properly.

70. The design and construction of any food / beverage preparation facilities and waste storage areas associated with this activity shall satisfy the requirements of food safety standards prescribed under the Food Act 2003, as well as Australian Standard AS 4674 - 2004: 'Design, Construction and Fit-out of Food Premises'.

Final design drawings for these areas are to be submitted to the principal certifying authority prior to commencement of work.

Reason: To ensure design of the premises meets relevant public health standards.

During Work

71. All trees planted as required by the approved landscape plan are to be a minimum 45 litre container size. All shrubs planted as part of the approved landscape plan are to have a minimum 200mm container size.

Reason: To ensure appropriate landscaping.

72. All excavation for the basement carpark within 10.8m of *Eucalyptus saligna* (Sydney Blue Gum), located within the western corner of the rear garden (Tree no. T1) as referenced in the Arborist Report by Redgum Horticultural, is to be supervised by an Australian Qualifications Framework (AQF) Level 5 arborist. If during excavation the Arborist identifies remedial work is necessary, it is to be supervised by this Arborist.

Once the work is completed a written report detailing the remedial work undertaken is to be forwarded to the Principal Certifying Authority.

(Note: No excavation is to occur for the formation of the overland flow path within the Tree Protection Zone of this tree.)

Reason: To provide adequate protection of trees.

73. No excavation is to occur within the distance specified below:

Tree No.	Species	Common Name	Location	Distance from trunk
1	<i>Eucalyptus saligna</i>	Sydney Blue Gum	Rear garden	7.9m
2	<i>Eucalyptus microcorys</i>	Tallowwood	Rear garden	7.9m

Reason: To ensure the protection of trees.

74. Trees to be removed are:

Tree No.	Species	Common Name	Location
3	<i>Callistemon viminalis</i>	Weeping Bottlebrush	Front garden
4	<i>Corydine australis</i>	Cabbage Tree	Front garden
5	<i>Archontophoenix cunninghamiana</i>	Bangalow Palm	Rear garden

Reason: To facilitate development.

75. All trees/shrubs planted within the site must be of an adequate root volume and maturity so as not to require staking or mechanical support unless in a wind-prone area. Planting must be carried out in accordance with the approved Landscape Plan and conditions of consent.

Reason: To ensure the trees/shrubs planted within the site are able to reach their required potential.

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76. All approved tree removal must be supervised by an Australian Qualification Framework (AQF) Level 3 Arborist and undertaken in accordance with the Code of Practice for Amenity Tree Industry 1998.
Reason: To ensure tree works are carried out safely.
77. Any and all stormwater pits, pipes, or structures must be wholly within the boundaries of the site. Any stormwater works beyond the boundaries of the site must have the appropriate consent from the relevant landowner.
Reason: To ensure works are carried out within the site
78. A copy of this development consent together with the stamped plans, referenced documents and associated specifications is to be held on-site during the course of any works to be referred to by all contractors to ensure compliance with the approval and the associated conditions of consent.
Reason: To ensure compliance with this consent.
79. Stormwater outlet from the OSD system must be connected to the kerb and gutter within the property frontage of Lanhams Road, Winston Hills.
Reason: To ensure satisfactory storm water disposal.
80. A 200mm wide grated drain, incorporating a heavy duty removable galvanised grate is to be located within the driveway, immediately before the garage door, to collect all surface water flowing down the driveway. An opportunity must be provided to allow emergency overflows to be diverted away from the garage. The drainage line from the grated drain shall be connected to the stormwater drainage system.
Reason: Stormwater control.
81. Works are not to result in sedimentation and or run-off from the approved works onto the adjoining properties and or public lands. The person having the benefit of this consent must ensure sediment is not tracked out from the development site.
Reason: To ensure no adverse impacts on neighbouring properties.
82. Any damage to Council assets that impacts on public safety during construction is to be rectified immediately to the satisfaction of Council with all costs to be borne by the person having the benefit of the Development Consent.
Reason: To protect public safety.
83. Dust control measures shall be implemented during all periods of earth works, demolition, excavation and construction to minimise the dust nuisance on surrounding properties. In this regard, dust minimisation practices must be carried out in accordance with Section 126 of the Protection of the Environment Operations Act 1997.
Reason: To protect the amenity of the area.

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84. Car parking area and internal accessways must be constructed, marked and signposted in accordance with AS2890.1 –2004 'Off Street Car Parking Facilities' prior to an Occupation Certificate being issued.

Reason: To ensure appropriate car parking.

85. The pool, including the shell as well as all pipes, electrical equipment, sewer and gas connections must be removed and disposed off-site in such a way that does not negatively impact neighbouring properties or Council assets. The resulting void must be filled with engineered fill, complete with appropriate substrate layering to facilitate drainage and to the design surface levels. The fill must be well compacted under the supervision of a qualified geotechnical engineer, and cannot contain any demolition waste or other contaminants. The compacted fill must be certified adequate for residential lots by a qualified geotechnical engineer and this certification must be submitted to the certifying authority for approval prior to the issue of an Occupation Certificate.

Reason: To ensure that the pool is decommissioned appropriately.

86. Appropriate signage must be erected at the vehicle egress points to compel all vehicles to stop before proceeding onto the public way.

Reason: To ensure pedestrian safety.

87. No building materials skip bins, concrete pumps, cranes, machinery, temporary traffic control, signs or vehicles associated with the construction, excavation or demolition shall be stored or placed on/in Council's footpath, nature strip, roadway, park or reserve without the prior approval being issued by Council under section 138 of the Roads Act 1993.

Reason: To ensure pedestrian access.

88. All work (excluding demolition which has separate days and hours outlined below) including building, and excavation work; and activities in the vicinity of the site generating noise associated with preparation for the commencement of work (e.g. loading and unloading of goods, transferring of tools, machinery etc.) in connection with the proposed development must only be carried out between the following hours:

- Monday to Friday inclusive: 7.00am and 5.00pm; and
- Saturday: 8.00am to 5.00pm.
- No work is to be carried out on Sunday or Public Holidays.

Demolition works are restricted to:

- Monday to Friday: 7.00am to 5.00pm; and
- No demolition works are to be undertaken on Saturdays, Sundays or Public Holidays.

Note: Council may permit an extension to the approved hours of work in extenuating or unforeseen circumstances subject to an application and approval by City of Parramatta Council (CoPC) in accordance with the 'After Hours Works for Approved Development Applications Policy' (Policy).

A copy of this Policy and associated application form is available on the CoPC website. A fee will apply to any application made in accordance with this Policy.

The matters of consideration of any extension sought would include, but not be limited to the following aspects and should be detailed in any application made:

- Nature of work to be conducted;
- Reason for after-hours completion;
- Residual effect of work (noise, traffic, parking);
- Demographic of area (residential, industrial);
- Compliance history of subject premises;
- Current hours of operation;
- Mitigating or extenuating circumstance; and
- Impact of works not being completed.

Reason: To protect the amenity of the area.

89. The applicant must record details of all complaints received during the construction period in an up to date complaints register. The register must record, but not necessarily be limited to:

- (a) The date and time of the complaint;
- (b) The means by which the complaint was made;
- (c) Any personal details of the complainants that were provided, or if no details were provided, a note to that effect;
- (d) Nature of the complaints;
- (e) Any action(s) taken by the applicant in relation to the complaint, including any follow up contact with the complainant; and
- (f) If no action was taken by the applicant in relation to the complaint, the reason(s) why no action was taken.

The complaints register must be made available to Council and/or the Principal Certifying Authority upon request.

Reason: To allow the Principal Certifying Authority/Council to respond to concerns raised by the public.

90. Noise emissions and vibration must be minimised, work is to be carried out in accordance with the NSW Department of Environment, Climate Change and Water's Interim Noise Construction Guidelines 2009 for noise emissions from demolition, excavation and construction activities.

Vibration levels resulting from demolition and excavation activities must not exceed 5mm/sec peak particle velocity (PPV) when measured at the footing of any nearby building.

Reason: To protect the amenity of the area and limit potential vibration impacts.

91. A survey certificate is to be submitted to the Principal Certifying Authority at footing and/or formwork stage. The certificate must indicate the location of the building in relation to all boundaries, and must confirm the floor level is consistent with that approved under this consent prior to any further work proceeding on the building.

Reason: To ensure the development is being built as per the approved plans.

92. Occupation of any part of the footpath or road at or above (carrying out work, storage of building materials and the like) during construction of the development shall require a Road Occupancy Permit from Council. The applicant is to be required to submit an application for a Road Occupancy Permit through Council's Traffic and Transport Services, prior to carrying out the construction/restoration works.

Reason: To ensure proper management of Council assets.

93. Oversize vehicles using local roads require approval from the National Heavy Vehicle Regulator (NHVR). The applicant is required to submit an application for an Oversize Vehicle Access Permit through NHVR's portal (www.nhvr.gov.au/about-us/nhvr-portal) prior to driving through local roads within the City of Parramatta LGA.

Reason: To ensure maintenance of Council's assets.

94. Where demolition of asbestos containing materials is undertaken, the contractor must submit to the Principal Certifying Authority, copies of all receipts issued by the EPA licensed waste facility for friable or non-friable asbestos waste as evidence of proof of proper disposal within 7 days of the issue of the receipts.

Reason: To ensure appropriate disposal of asbestos materials.

95. All friable and non-friable asbestos-containing waste material on-site shall be handled and disposed off-site at an EPA licensed waste facility by an EPA licensed contractor in accordance with the requirements of the Protection of the Environment Operations (Waste) Regulation 2014 and the Waste Classification Guidelines – Part 1 Classifying Waste (EPA 2014) and any other regulatory instrument as amended.

Reason: To ensure appropriate disposal of asbestos materials.

96. A Waste Data file is to be maintained, recording building/demolition contractor's details and waste disposal receipts/dockets for any demolition or construction wastes from the site. These records must be retained and made available to Council on request.

Reason: To confirm waste minimisation objectives under Parramatta Development Control Plan 2011 are met.

97. Hazardous or intractable wastes arising from the demolition process shall be removed and disposed of in accordance with the requirements of Safework NSW and the EPA, and with the provisions of:

- (a) Work Health and Safety Act 2011;
- (b) NSW Protection Of the Environment Operations Act 1997 (NSW); and
- (c) NSW Department of Environment and Climate Change Environmental Guidelines; NSW EPA Waste Classification Guidelines.

Reason: To ensure that the land is suitable for the proposed development and any contaminating material required to be removed from the property is removed in accordance with the prescribed manner.

-
98. Liquid and solid wastes generated onsite shall be collected, transported and disposed of in accordance with the Protection of the Environment Operations (Waste) Regulation 2014 and in accordance with DECC the Environmental Guidelines Assessment, Classification and Management of Liquid and Non-Liquid Wastes (1999) and NSW EPA Waste Classification Guidelines.

Reason: To prevent pollution of the environment.

99. Site water discharged must not exceed suspended solid concentrations of 50 parts per million, and must be analysed for pH and any contaminants of concern identified during the preliminary or detailed site investigation, prior to discharge to the stormwater system. The analytical results must comply with relevant Environmental Protection Authority and Australian & New Zealand Guidelines for Fresh & Marine Water Quality. Other options for the disposal of excavation pump-out water include disposal to sewer with prior approval from Sydney Water, or off-site disposal by a liquid waste transporter for treatment/disposal to an appropriate waste treatment/processing facility.

Reason: To prevent pollution of waterways.

100. Any site excavation areas must be kept free of accumulated water at all times. Water that accumulates within an excavation must be removed and disposed of in a manner that does not result in: the pollution of waters, nuisance to neighbouring properties, or damage/potential damage to neighbouring land and/or property. A de-watering plan is required to be included and submitted to Council for review prior to issue of a Construction Certificate.

Reason: To protect against subsidence, erosion and other nuisances.

Prior to the issue of an Occupation Certificate

101. Work-As-Executed stormwater plans shall be prepared addressing the following:

- (a) A WAE survey shall be conducted and plans prepared showing the 'as built' of the complete on-site detention system including (but not limited to) discharge point into Council system, storage tank (including all critical elements), all pipes and pits connected to the OSD system, overland flow swale and surface levels that control surface flows to the OSD system and by design bypassing the OSD system.

The survey shall confirm a) that all retaining walls including foundations are wholly within the site boundary, b) that the swales have been constructed as per the approved plans, c) that the relevant boundary fences have been raised to allow overland flow to drain unobstructed through to the swale.

- (b) The Work-As-Executed plans are prepared on the copies of the approved drainage plans issued with the Construction Certificate with the variations marked in red ink.
- (c) The Work-As-Executed plans have been prepared by a registered surveyor certifying the accuracy of dimensions, levels, storage volumes, etc.
- (d) The as built On-Site Detention (OSD) storage volumes are to be presented in a tabular form (depth versus volume table)
- (e) OSD Works-As-Executed dimensions form (refer to UPRCT Handbook).

-
- (f) Certificate of Hydraulic Compliance from a qualified drainage / hydraulic engineer (refer to UPRCT Handbook). The certificate must only be provided after conducting a satisfactory final inspection. The final inspection shall include the application of all the ancillary components of the system including but not limited to: step-irons, orifice plate, trash screen with appropriate wall attachment, hinged lockable grates, confined space sign, functioning return lap valve and relief drains within DCP sump etc.
 - (g) Certificate of Structural compliance of the OSD tank shall reference the structural elements including floor slab/foundations, walls and cover slab from a qualified structural engineer

The above is to be submitted to the Principal Certifying Authority prior to the issue of an occupation certificate and a copy is to accompany the Occupation Certificate when lodged with Council.

Reason: To ensure works comply with approved plans and conditions of consent.

102. Prior to the issue of an Occupation Certificate a Positive Covenant and Restriction on the Use of Land under Section 88E of the Conveyancing Act 1919 must be created, burdening the owner with the requirement to maintain the on-site stormwater detention and the WSUD facilities on the lot.

An additional Terms shall be included in the Positive Covenant, for the basement pump system. The terms of the 88E Instruments are to be generally in accordance with Council's "standard terms" available in Council's website, under Development Forms.

Where a Title exists, the Positive Covenant and Restriction on the Use of Land is to be created through via an application to the Land Titles Office using forms 13PC and 13RPA. Accompanying this form is the requirement for a plan to scale showing the relative location of the On-Site Detention facility, including its relationship to the building footprint.

Registered title documents showing the covenants and restrictions must be submitted to and approved by the Principal Certifying Authority prior to Occupation or use of on-site.

Electronic colour photographs in jpg format of the on-site detention facility shall accompany the application for the Positive Covenant and the Restriction on the Use of the Land. These photos shall include such elements as the orifice plate, trash screen, step irons, weir, sump and bench on the floor of the DCP, return pipe and flap valve, wide angle view of the storage area or multiple photos, grates closed from above, grates open showing the edges to the opening and under frame packing with mortar or concrete, all pipe entries to the DCP and confined space warning signs at each entry point. The photos must be well labelled and

must differentiate between multiple tanks. Additional photos may be requested if required.

Reason: To ensure maintenance of on-site detention facilities.

103. Prior to the issue of any Occupation Certificate, an application is required to be obtained from Council for any new, reconstructed or extended sections of driveway crossings between the property boundary and road alignment.

All footpath crossings, laybacks and driveways are to be constructed according to Council's Specification for Construction or Reconstruction of Standard Footpath Crossings and in compliance with Standard Drawings DS1 (Kerbs & Laybacks); DS7 (Standard Passenger Car Clearance Profile); DS8 (Standard Vehicular Crossing); DS9 (Heavy Duty Vehicular Crossing) and DS10 (Vehicular Crossing Profiles).

The application for a driveway crossing requires the completion of the relevant application form and be accompanied by detailed plans showing, grades/levels and specifications that demonstrate compliance with Council's standards, without conflict with all internal finished surface levels. The detailed plan must be submitted to Council's Civil Assets Team for approval prior to commencement of the driveway crossing works. A fee in accordance with Councils adopted 'Fees and Charges' will need to be paid at the time of lodgement.

Note 1: This development consent is for works wholly within the property. Development consent does not imply approval of the footpath or driveway levels, materials or location within the road reserve, regardless of whether the information is shown on the development application plans.

Note 2: Council's Customer Service Team can advise of the current fee and can be contacted on 9806 5524.

Reason: Pedestrian and Vehicle safety.

104. Prior to the issue of an Occupation Certificate, a Registered Surveyor must certify that all works have been undertaken wholly within the boundaries of the site and submitted to the Certifying Authority.

Reason: To ensure development is constructed wholly within the boundary of the site

105. All redundant lay-backs and vehicular crossings must be reinstated to conventional kerb and gutter, foot-paving or grassed verge in accordance with Council's Standard Plan No. DS1. The reinstatement must be completed prior to the issue of an Occupation Certificate. All costs must be borne by the applicant.

Reason: To provide satisfactory drainage.

106. All landscape works must be completed prior to the issue of an Occupation Certificate. A qualified Landscape Architect/Designer must provide written

certification to Council that the completed works are in accordance with the approved landscape plan.

Reason: To ensure restoration of environmental amenity.

107. Occupation or use of the building or part is not permitted until an Occupation Certificate has been issued in accordance with Section 6.9 of the Environmental Planning and Assessment Act 1979.

Reason: To comply with legislative requirements of the Environmental Planning and Assessment Act 1979.

108. In accordance with Clause 162B of the Environmental Planning and Assessment Regulation 2000, the Principal Certifying Authority responsible for the critical stage inspections must make a record of each inspection as soon as practicable after it has been carried out. The record must include:

- (a) The development application and Construction Certificate number as registered;
- (b) The address of the property at which the inspection was carried out;
- (c) The type of inspection;
- (d) The date on which it was carried out;
- (e) The name and accreditation number of the certifying authority by whom the inspection was carried out; and
- (f) Whether or not the inspection was satisfactory in the opinion of the certifying authority who carried it out.

Reason: To comply with statutory requirements.

109. A written application to Council's Civil Assets Team for the release of a bond must quote the following:

- (a) Council's Development Application number; and
- (b) Site address.

The bond is refundable only where Council is satisfied the public way has been adequately reinstated, and any necessary remediation/rectification works have been completed.

An Occupation Certificate is not to be issued until correspondence has been issued by Council detailing the bond has been released.

Note: Council's Civil Assets Team will take up to 21 days from receipt of the request to provide the written advice.

Reason: To safe guard the public assets of council and to ensure that these assets are repaired/maintained in a timely manner.

110. Prior to an Occupation Certificate being issued, Council must be notified that the premises is to be used for the preparation or manufacture of food for sale so that the premises can be registered on Council's food premises licensing database.

Reason: Compliance with the requirements of the Food Act.

111. Certification to be provided to the principal certifying authority (PCA), prior to occupation, that the fit-out of the food premises has been completed in accordance with plans complying with food safety standards prescribed under the Food Act 2003, and the requirements of Australian Standard AS 4674 - 2004.

It is incumbent on the PCA to determine the competency of the person providing this certification, based on that person's qualifications, experience and currency of practice.

Reason: To ensure construction and fit-out of the premises meets relevant public health standards.

112. Prior to occupation, the cot room is to be adequately ventilated by either a ceiling fan or mechanical ventilation drawing fresh air (not recirculated air). **Reason:** To ensure adequate amenity.

The Use of the Site

113. No goods are to be stored/displayed outside the walls of the building.

Reason: To ensure visual amenity.

114. The owner/manager of the site/business is responsible for the removal of all graffiti from the building/structures/signage and/or fencing within 48 hours of its application.

Reason: To ensure the removal of graffiti.

115. If a roller shutter door is to be provided at the driveway entry and exit from Mobbs Lane, it is to be opened at all times during the centre's operating hours from 7am to 7pm Monday to Friday.

Reason: To comply with Council requirements.

116. The days and hours of operation are restricted to:

Day	Time
Monday	7am – 7pm
Tuesday	7am – 7pm
Wednesday	7am – 7pm
Thursday	7am – 7pm
Friday	7am – 7pm
Saturday	Closed
Sunday	Closed
Public Holidays	Closed

Reason: To minimise the impact on the amenity of the area.

117. The Plan of Management for the operation of the childcare centre must require all visitors to turn off their engine if they are waiting in the basement car park for a parking space to be made available, and to park in spaces only (ie no double parking). Furthermore, all staff parking spaces are to be assigned to a specific staff member such that only staff with an allocated parking space enters the basement car park.

Reason: To comply with Council's Development Control Plan and ensure pedestrian safety.

118. The applicant must provide a copy of the Plan of Management to parents/carers at the time their child is enrolled at the child care centre.

119. All landscape works shall be maintained for the duration of the use of the site as a child care centre, in accordance with the approved landscape plans and these conditions, including:

- (a) Revitalisation of turf/grassed areas;
- (b) Regular mulching;
- (c) Removal/trimming of plant material as required and frequent replacement of any failed plants with plants of equivalent or greater maturity;
- (d) An irrigation and fertilisation program;
- (e) Treatment of pests and diseases;
- (f) Regular weeding; and
- (g) Regular mowing.

Reason: To ensure environmental amenity and appropriate management of plants located on the subject site.

120. The child care centre is to operate in accordance with the Plan of Management, as approved by this development consent.

Reason: To ensure the amenity of adjoining residents.

121. The number of children within the child care centre is not to exceed 56 children at any time as follows:

- (a) 0-2 years – 17 children maximum;
- (b) 2-3 years – 15 children maximum;
- (c) 3-6 years – 24 children maximum.

Reason: To comply with relevant legislative requirements.

122. Roller shutters are not to be placed over any external door or window of the premises. Any security grill is to be located on the inside of the glass shop front and must be an open grille able to be seen through.

Reason: To provide an appropriate streetscape appearance.

123. Any external plant/air-conditioning system or other noise generated by the premises (excluding outdoor play, which is addressed in other conditions of this consent) must not exceed a noise level of 5dBA above the background noise level when measured at the boundaries of the property.

Reason: To minimise noise impact of mechanical equipment.

124. The operation of the premises is not to give rise to emissions of air impurities in contravention of the Protection of the Environment Operations Act 1997. Air emissions from the premises must not cause a nuisance from odours, nor be hazardous to human health or the environment.

Reason: To prevent loss of amenity to the area.

125. The use of the premises must not give rise to:

- (a) transmission of unacceptable vibration to any place of different occupancy,
- (b) a sound pressure level measured at any point on the boundary of any affected residential premises that exceeds the background noise level by more than 5 dB(A). The source noise level shall be assessed as an LAeq,15

min and adjusted in accordance with Environment Protection Authority (EPA) guidelines for tonality, frequency weighting, impulsive characteristics, fluctuations, and temporal content as described in the NSW Environmental Planning & Assessment Act 1979: Noise Policy for Industry 2017 and the Protection of the Environment Operations Act 1997.

Reason: To prevent loss of amenity to the area.

126. The proposed use of the premises and the operation of all plant and equipment shall not give rise to an 'offensive noise' as defined in the Protection of the Environment Operations Act 1997.

Reason: To protect the amenity of the area.

127. The windows of the cot room are to remain closed when in use.

Reason: To protect Acoustic Amenity

128. A log of all noise complaints is to be maintained by the management of the child care centre, with the following details recorded:

- The date of the complaint
- The name of the complainant
- Address of the complainant
- Phone contact details for the complainant
- The nature of the complaint (a description of the complaint)
- The action taken to respond to the complaint
- The date the action was taken

Reason: To protect Acoustic Amenity

The noise compliant log must be produced to Council upon request.

129. Adequate holding facilities shall be constructed for the storage of new and waste oils and other bulk liquids in accordance with AS 1940–2017 'The storage and handling of flammable and combustible liquids' before commencement of use.

Reason: To ensure that waste liquids are correctly contained.

130. All Dangerous Goods shall be stored in accordance with:

- (a) AS 1940-2017: The Storage and Handling of Flammable and Combustible Liquids;
- (b) Work Health and Safety Act 2011;
- (c) Model code of Practice: Managing risks of Hazardous Chemicals in the workplace.

Reason: To ensure that the dangerous goods are correctly contained.

131. There are to be no external speakers at the premises.

Reason: To prevent loss of amenity to the area.

132. The applicant is to require that all suppliers and service providers to the child care centre must attend the centre within the centre operating hours of 7am to 7pm Monday to Friday.

Reason: To provide acoustic amenity

-
133. All putrescible waste shall be removed from the site with sufficient frequency to avoid nuisance from pests and odours.

Reason: To ensure provision of adequate waste disposal arrangements.

134. All waste storage areas are to be maintained in a clean and tidy condition at all times.

Reason: To ensure the ongoing management of waste storage areas.

135. Between collection periods, all waste/recyclable materials generated on site must be kept in enclosed bins with securely fitting lids so the contents are not able to leak or overflow. Bins must be stored in the designated waste/recycling storage room(s) or area(s) between collection periods.

Reason: To ensure waste is adequately stored within the premises.



DA/725/2020

45 Mobbs Lane, Carlingford

Demolition of existing structures and construction of a centre based child care centre for 56 children with basement car parking and associated landscaping works.



SHEET SCHEDULE	
SHEET	TITLE
1	COVER SHEET
2	SITE ANALYSIS
3	LEP CONTROLS
4	ROOF SITE ANALYSIS
5	BASEMENT
6	GROUND
7	FIRST
8	ROOF PLAN
9	FSR CALC LAYOUTS
10	PLAY AREA CALC LAYOUTS
11	GROUND FL LANDSCAPE DESIGN
12	EVACUATION PLAN LAYOUTS
13	EVACUATION PLAN LAYOUTS
14	ELEVATIONS
15	ELEVATIONS
16	SECTIONS
17	SHADOWS - JUN
18	3D SHADOWS
19	LANDSCAPED AREA CALS
20	MATERIALS & FINISHES
21	STREETSCAPE ANALYSIS

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drawing: COVER SHEET
project: PROPOSED CHILD CARE CENTRE @ 45 MOBBS LANE CARLINGFORD
client: SKYCORP CONSTRUCTION GROUP
drawn: E.K.
checked: J.E.
scale: as shown
date: OCT
ref: 2020-192
sheet size: A3
Council
COP

issue k:
issue f: PLANNING PANEL MINUTES 21/10/2021
issue n: DA REF 22/07/2021
issue p: DA REF 26/10/2021
issue q: DA 26/10/2021
issue r: DA coordination 16/03/2020
issue d: Pre - DA 27/07/2020
issue c: Schematic design 23/07/2020
issue b: Schematic 04 20/06/2020
issue a: Schematic 00 06/06/2020

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SITE CONTEXT ANALYSIS

1:3000



LANDMARKS

- Ⓐ Mobbs Lane Reserve
- Ⓑ Fred Spurway Reserve
- Ⓒ Carlingford Kindergarten
- Ⓓ Papilio Early Learning Epping
- Bus Stop

Proposed development

Sites being developed

ZONING

- RE1 Public Recreation
- SP2 Infrastructure
- B1 Neighbourhood Centre
- R1 General Residential
- R2 Low Density Residential
- E2 Environmental Conservation
- Heritage
- Max Height of Building



Issue 1: Planning Panel Minutes	21/03/2021
Issue 2: DA Ref	22/07/2021
Issue 3: DA Ref Comments	26/07/2021
Issue 4: DA Ref Comments	26/07/2021
Issue 5: DA Ref Comments	26/07/2021
Issue 6: DA Ref Comments	26/07/2021
Issue 7: DA Ref Comments	26/07/2021
Issue 8: DA Ref Comments	26/07/2021
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Issue 10: DA Ref Comments	26/07/2021
Issue 11: DA Ref Comments	26/07/2021
Issue 12: DA Ref Comments	26/07/2021
Issue 13: DA Ref Comments	26/07/2021
Issue 14: DA Ref Comments	26/07/2021
Issue 15: DA Ref Comments	26/07/2021
Issue 16: DA Ref Comments	26/07/2021
Issue 17: DA Ref Comments	26/07/2021
Issue 18: DA Ref Comments	26/07/2021
Issue 19: DA Ref Comments	26/07/2021
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Issue 25: DA Ref Comments	26/07/2021
Issue 26: DA Ref Comments	26/07/2021
Issue 27: DA Ref Comments	26/07/2021
Issue 28: DA Ref Comments	26/07/2021
Issue 29: DA Ref Comments	26/07/2021
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Issue 31: DA Ref Comments	26/07/2021
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Issue 44: DA Ref Comments	26/07/2021
Issue 45: DA Ref Comments	26/07/2021
Issue 46: DA Ref Comments	26/07/2021
Issue 47: DA Ref Comments	26/07/2021
Issue 48: DA Ref Comments	26/07/2021
Issue 49: DA Ref Comments	26/07/2021
Issue 50: DA Ref Comments	26/07/2021

drawing: SITE ANALYSIS	sheet size: A3	Council	COP
project: PROPOSED CHILD CARE CENTRE @ 45 MOBBS LANE CARLINGFORD	scale: as shown	ref: 2020-192	
client: SKYCORP CONSTRUCTION GROUP	date: OCT		
drawn: E.K.			
checked: J.E.			

i2

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LAND ZONING - R2



BUILDING HEIGHT - 9M



FSR - 0.5:1



HERITAGE - N/A



Issue A:	21/10/2021
Issue B:	22/07/2021
Issue C:	23/07/2021
Issue D:	24/07/2021
Issue E:	25/07/2021
Issue F:	26/07/2021
Issue G:	27/07/2021
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Issue P:	05/08/2021
Issue Q:	06/08/2021
Issue R:	07/08/2021
Issue S:	08/08/2021
Issue T:	09/08/2021
Issue U:	10/08/2021
Issue V:	11/08/2021
Issue W:	12/08/2021
Issue X:	13/08/2021
Issue Y:	14/08/2021
Issue Z:	15/08/2021

drawing: LEP CONTROLS	client: SKYCORP CONSTRUCTION GROUP	scale: as shown	sheet size: A3	Council
project: PROPOSED CHILD CARE CENTRE @ 45 MOBBS LANE CARLINGFORD	drawn: E.K.	data: OCT	ref: 2020-192	COP
checked: J.E.				

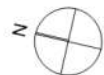
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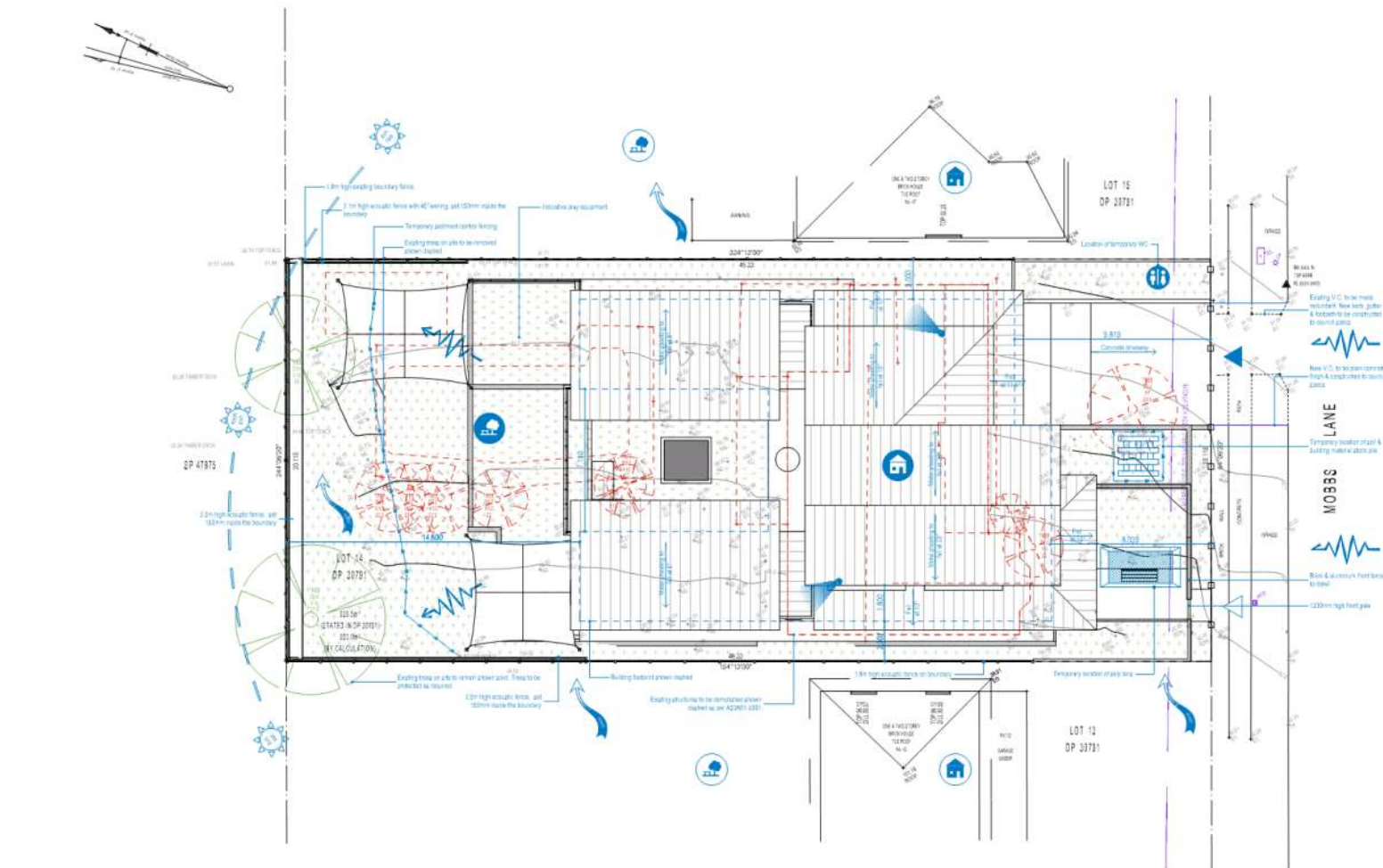
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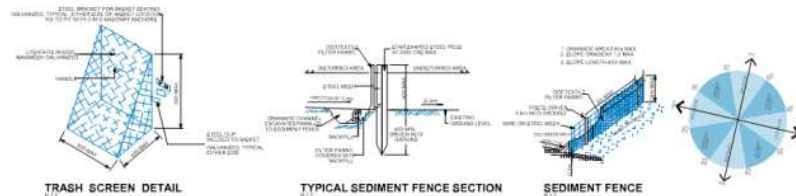
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ROOF/SITE ANALYSIS PLAN

1:200



issue #:			
issue f:	PLANNING PANEL MINUTES	27/07/2021	
issue h:	DA RFI	28/07/2021	
issue n:	DA RFI comments	28/08/2021	
issue e:	DA	26/10/2020	
issue e:	DA coordination	16/09/2020	
issue c:	Pie - DA	27/07/2020	
issue c:	Schematic design	23/07/2020	
issue b:	Schematic 64	23/06/2020	
issue a:	Schematic 60	05/06/2020	

drawing **ROOF SITE ANALYSIS**

drawing: ROOF SITE ANALYSIS

client: **@ 45 MOBBS LANE CARLINGFORD**
SKYCORP CONSTRUCTION GROUP

drawn: E.K.	scale: as shown	sheet size: A3	Council
checked: J.E.	date: OCT	ref: 2020-192	COP

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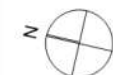
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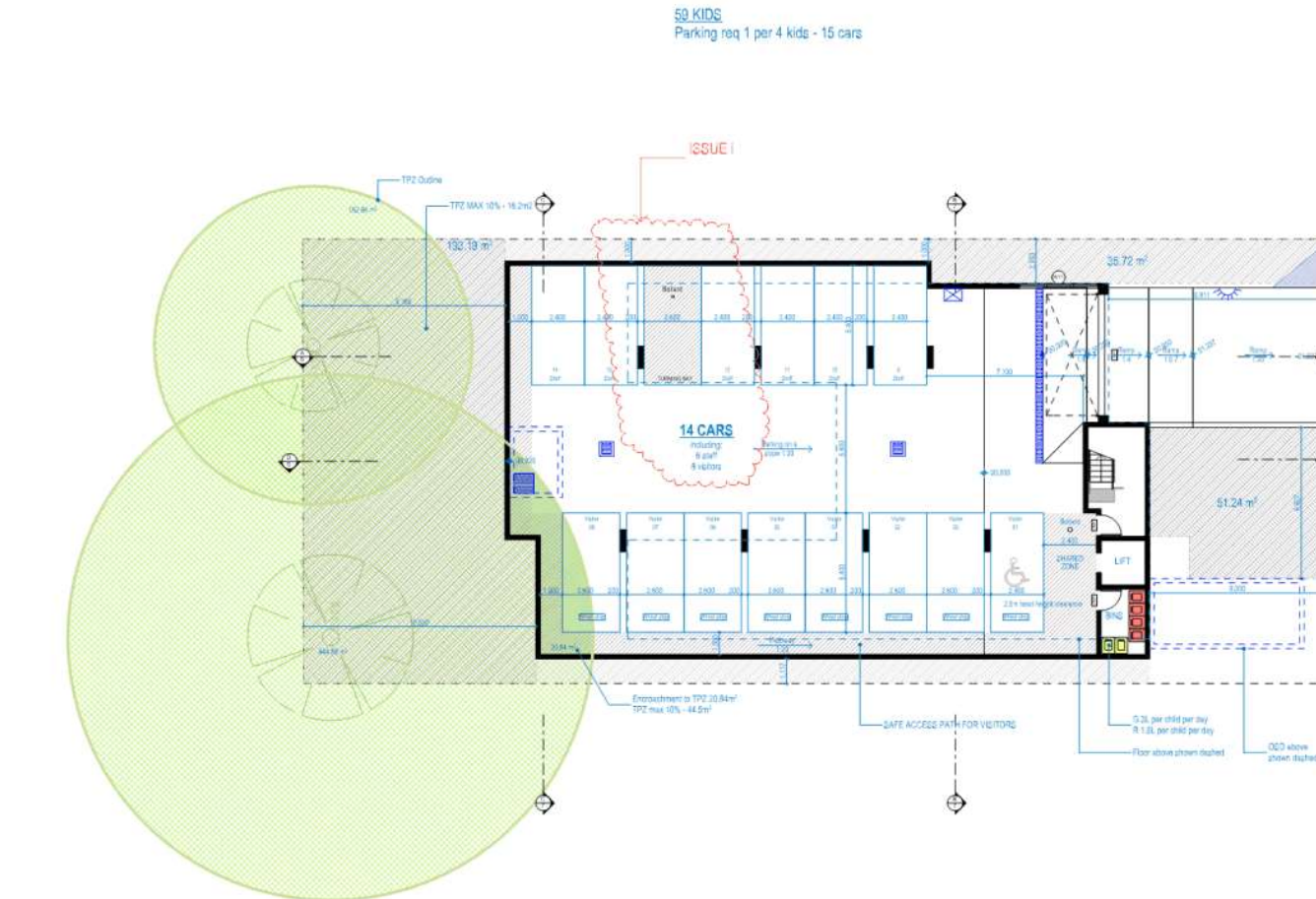


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BASEMENT
1:200

COMPLIANCE TABLE		
CONTROL	REQUIRED	PROPOSED
Site Area (m ²) R2	N/A	892
Building height	max 9m	8.6
Floor Space Ratio (F/S 1)	468.00	461.83
Transition area	min 4m	5
Outdoor play area	392	433.5
Indoor play area	192	196.2
Front Setback	Average	7.9
Side Setback	2m	2
Rear Setback	13.899	14.69
Landscaping - min 40% of site (2m min dim)	372.8	359.17
Landscaping - min 40% of site (2m min dim, < 1m soil depth)	372.8	423.84
Deep Soil - min 30 % of site (4m min dim)	279.60	244.43
Deep Soil - min 30 % of site (2m min dim)	279.60	289.15
Staff requirement	8.8	11
Parking 1 per 4 children	14	14

	Number of children	Age group (years)	Indoor Play area min 3.25m ² per child		Outdoor Play area min 7m ² per child		Staff		Storage req m ³		Storage provided m ³	
			Required	Provided	Required	Provided	Required	Provided	Indoor	Outdoor	Indoor	Outdoor
Playroom 01	15	2-3	48.75	51.51	105				3	3	4.5	7.63
Playroom 02	16	3-6	52	53.25	112				1.8	2	4.8	3.24
Playroom 03	17	0-2	55.25	56.43	119				3.4	4	5.1	5.56
Playroom 04	10	3-6	25	35.03	55				0.8	2	1.6	6
Total	58		182	196.2	392	412.68	8.8	11	11.2	16.8	14.79	17.61

SITE DATA	
SITE AREA	932.00
CHILD CARE CENTRE	
Ground Floor Area	270.8
First Floor Area	191.03
Total	461.83
FSA	1 = 0.496



Issue #	Issue Description	Issue Date
Issue 1	PLANNING PANEL MINUTES	21/10/2021
Issue 2	DA RFI	22/07/2021
Issue 3	DA RFI comments	22/07/2021
Issue 4	DA	26/10/2020
Issue 5	DA coordination	16/09/2020
Issue 6	DA	27/07/2020
Issue 7	DA	23/07/2020
Issue 8	Schematic design	20/06/2020
Issue 9	Schematic design	06/06/2020

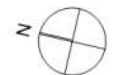
drawing: BASEMENT	client: SKYCORP CONSTRUCTION GROUP	scale: as shown	date: OCT	ref: 2020-192	COP
project: PROPOSED CHILD CARE CENTRE @ 45 MOBBES LANE CARLINGFORD	drawn: E.K.	checked: J.E.			

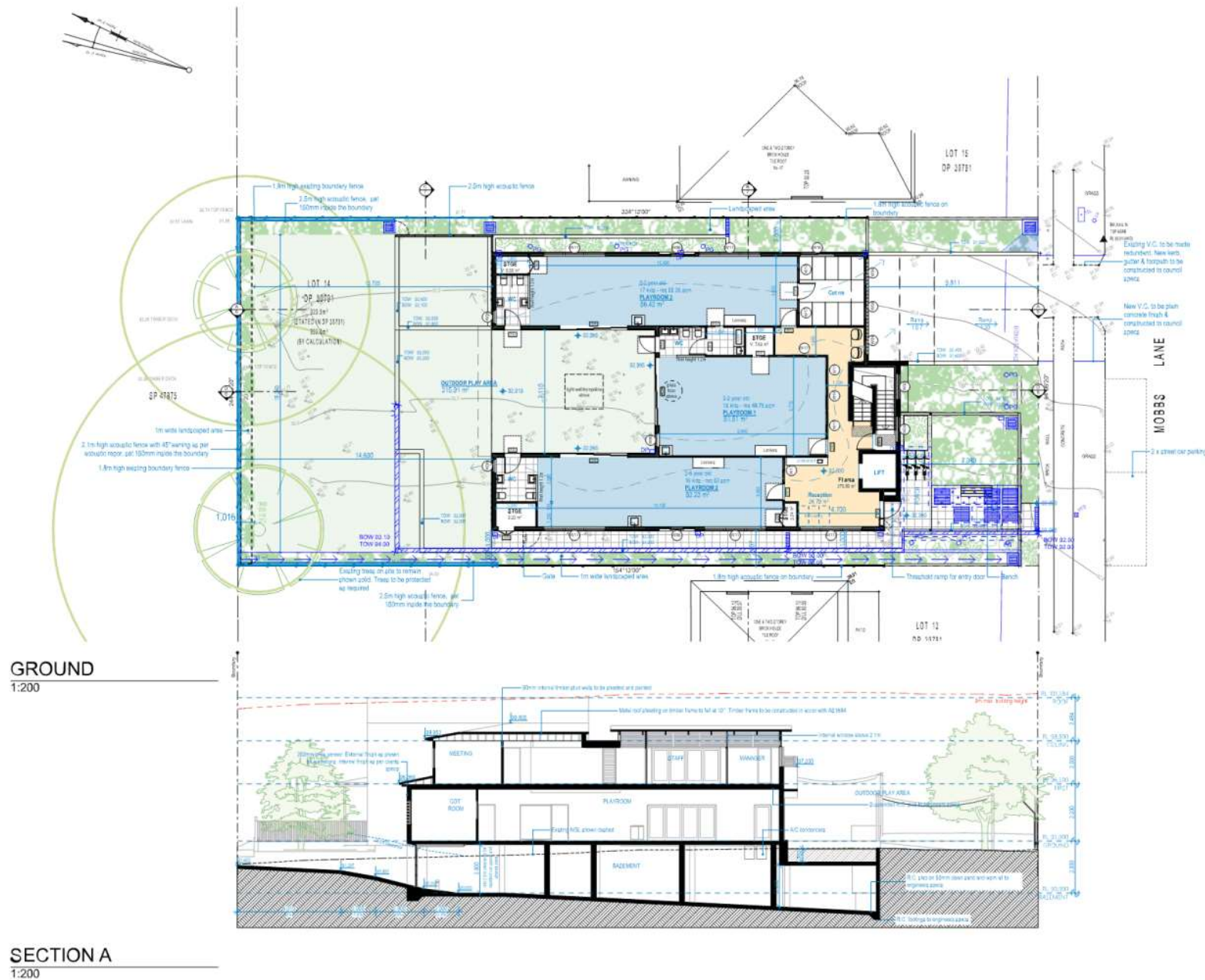
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Issue A:	21/10/2021
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Issue F:	27/07/2022
Issue G:	23/07/2022
Issue H:	20/09/2022
Issue I:	02/09/2022

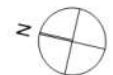
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project:	PROPOSED CHILD CARE CENTRE @ 45 MOBBS LANE CARLINGFORD
client:	SKYCORP CONSTRUCTION GROUP
drawn:	E.K.
checked:	J.E.
scale:	as shown
date:	OCT
ref:	2020-102
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FIRST
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3D Height Plane



Issue	Issue	Issue	Issue
Issue 1: PLANNING PANEL MINUTES	Issue 2: DA REF	Issue 3: DA REF	Issue 4: DA REF
Issue 5: DA REF	Issue 6: DA REF	Issue 7: DA REF	Issue 8: DA REF
Issue 9: DA REF	Issue 10: DA REF	Issue 11: DA REF	Issue 12: DA REF
Issue 13: DA REF	Issue 14: DA REF	Issue 15: DA REF	Issue 16: DA REF
Issue 17: DA REF	Issue 18: DA REF	Issue 19: DA REF	Issue 20: DA REF
Issue 21: DA REF	Issue 22: DA REF	Issue 23: DA REF	Issue 24: DA REF
Issue 25: DA REF	Issue 26: DA REF	Issue 27: DA REF	Issue 28: DA REF
Issue 29: DA REF	Issue 30: DA REF	Issue 31: DA REF	Issue 32: DA REF
Issue 33: DA REF	Issue 34: DA REF	Issue 35: DA REF	Issue 36: DA REF
Issue 37: DA REF	Issue 38: DA REF	Issue 39: DA REF	Issue 40: DA REF
Issue 41: DA REF	Issue 42: DA REF	Issue 43: DA REF	Issue 44: DA REF
Issue 45: DA REF	Issue 46: DA REF	Issue 47: DA REF	Issue 48: DA REF
Issue 49: DA REF	Issue 50: DA REF	Issue 51: DA REF	Issue 52: DA REF
Issue 53: DA REF	Issue 54: DA REF	Issue 55: DA REF	Issue 56: DA REF
Issue 57: DA REF	Issue 58: DA REF	Issue 59: DA REF	Issue 60: DA REF

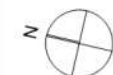
drawing: FIRST	client: SKYCORP CONSTRUCTION GROUP	scale: as shown	sheet size: A3	Council
project: PROPOSED CHILD CARE CENTRE @ 45 MOBBS LANE CARLINGFORD	drawn: E.K.	date: OCT	ref: 2020-192	COP
checked: J.E.				

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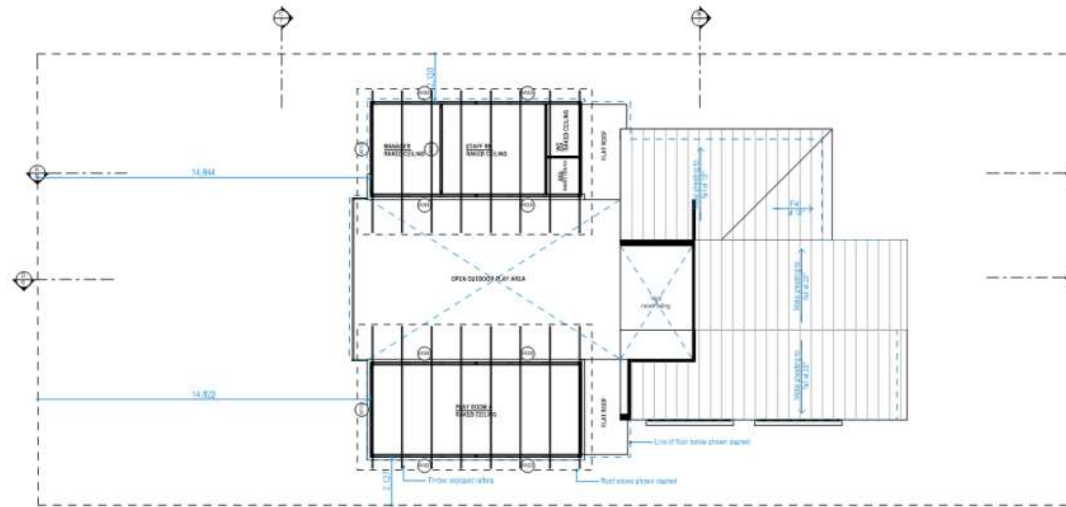
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ROOF 1:200



WINDOW SCHEDULE						
ID	TYPE	SILL	WIDTH	HEIGHT	PLAN	ELEVATION
W01	FIXED WINDOW	900	1,800	1,200	[Symbol]	[Symbol]
W02	FIXED WINDOW	0	1,500	2,400	[Symbol]	[Symbol]
W03	FIXED WINDOW	900	1,500	2,400	[Symbol]	[Symbol]
W04	DOUBLE SLIDING WINDOW	900	1,500	1,500	[Symbol]	[Symbol]
W05	LOUVRE WINDOW	0	800	2,100	[Symbol]	[Symbol]
W06	LOUVRE WINDOW	200	800	1,800	[Symbol]	[Symbol]
W07	FIXED WINDOW	0	2,800	1,200	[Symbol]	[Symbol]
W08	LOUVRE WINDOW	0	4,600	800	[Symbol]	[Symbol]
W09	FIXED WINDOW	0	4,600	400	[Symbol]	[Symbol]
W10	FIXED WINDOW	0	2,800	400	[Symbol]	[Symbol]
W11	FIXED WINDOW	1,800	2,600	800	[Symbol]	[Symbol]
W12	FIXED WINDOW	1,200	1,500	800	[Symbol]	[Symbol]
W13	SLIDING WINDOW	900	1,500	1,200	[Symbol]	[Symbol]
W14	SLIDING WINDOW	900	900	1,200	[Symbol]	[Symbol]
W15	SLIDING WINDOW	200	800	1,800	[Symbol]	[Symbol]
W16	SLIDING WINDOW	1,800	2,000	800	[Symbol]	[Symbol]
W17	SLIDING WINDOW	1,200	1,500	1,200	[Symbol]	[Symbol]

DOOR SCHEDULE						
ID	TYPE	HEIGHT	WIDTH	PLAN	ELEVATION	Q
D01	SLING DOOR	2,070	900	[Symbol]	[Symbol]	17
D02	POCKET DOOR	2,070	900	[Symbol]	[Symbol]	1
D03	SLING DOOR	2,100	1,000	[Symbol]	[Symbol]	4
D04	SLIDING DOOR	2,100	4,000	[Symbol]	[Symbol]	5
D05	SLING DOOR WITH SIDELIGHT	2,400	1,550	[Symbol]	[Symbol]	1
D06	RFOLD DOOR	2,070	2,700	[Symbol]	[Symbol]	1
D07	GARAGE DOOR	2,250	5,500	[Symbol]	[Symbol]	1
D08	DOUBLE DOOR	2,070	900	[Symbol]	[Symbol]	5



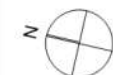
drawing: **ROOF PLAN**
 project: **PROPOSED CHILD CARE CENTRE @ 45 MOBBES LANE CARLINGFORD**
 client: **SKYCORP CONSTRUCTION GROUP**
 drawn: **E.K.** scale: as shown sheet size: **A3**
 checked: **J.E.** date: **OCT** ref: **2020-192** Council **COP**

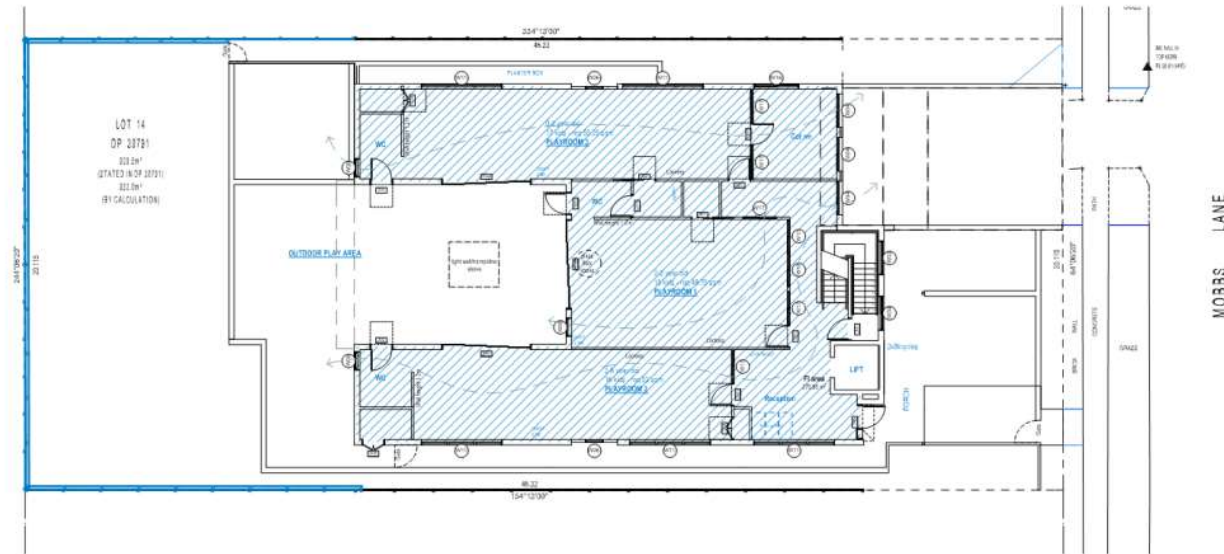
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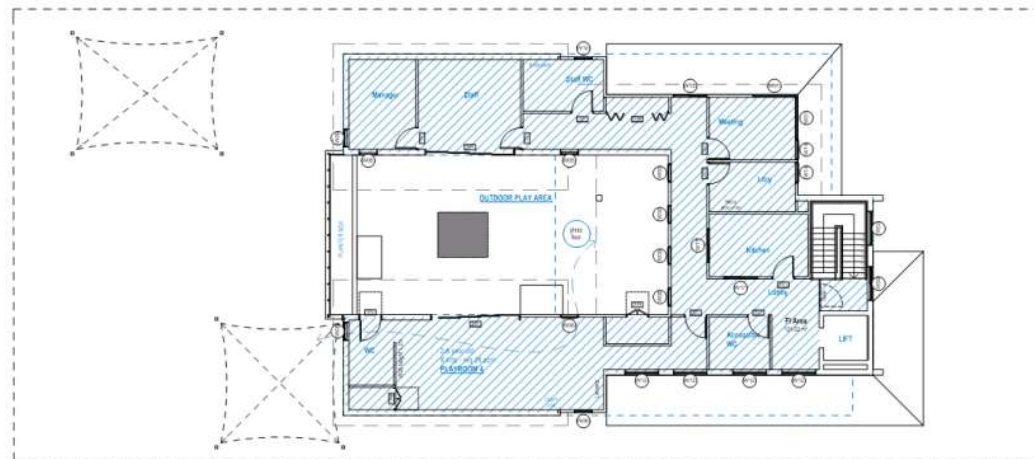
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GROUND FSR CALC PLAN
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FIRST FSR CALC PLAN
1:200

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Issue 1: PLANNING PANEL MINUTES	Issue 2: DA REPORT	Issue 3: DA REPORT COMMENTS	Issue 4: DA COORDINATION	Issue 5: DA REPORT	Issue 6: SCHEMATIC DESIGN	Issue 7: SCHEMATIC 64	Issue 8: SCHEMATIC 64	Issue 9: SCHEMATIC 64	Issue 10: SCHEMATIC 64
31/10/2021	22/07/2021	28/08/2021	28/10/2021	28/07/2021	28/07/2021	30/09/2021	30/09/2021	30/09/2021	05/10/2021

drawing: **FSR CALC LAYOUTS**

project: **PROPOSED CHILD CARE CENTRE @ 45 MOBBES LAKE CARLINGFORD**

client: **SKYCORP CONSTRUCTION GROUP**

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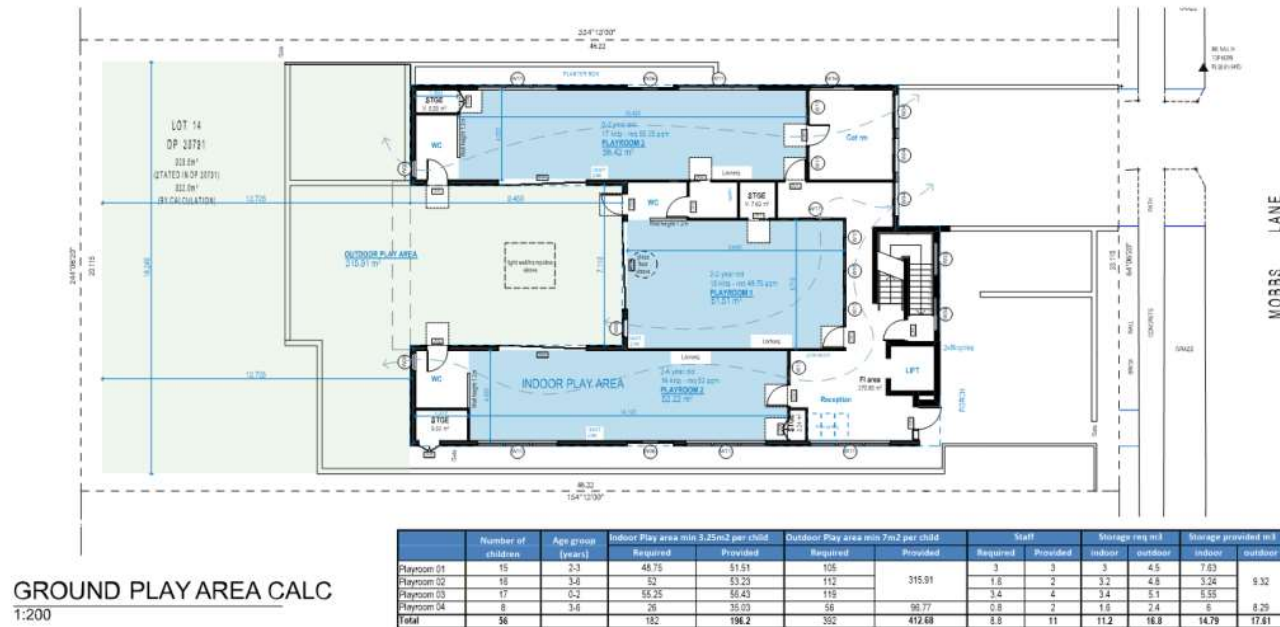
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Issue Z:	28/09/2021

drawing:	PLAY AREA CALC LAYOUTS
project:	PROPOSED CHILD CARE CENTRE @ 45 MOBBES LANE CARLINGFORD
client:	SKYCORP CONSTRUCTION GROUP
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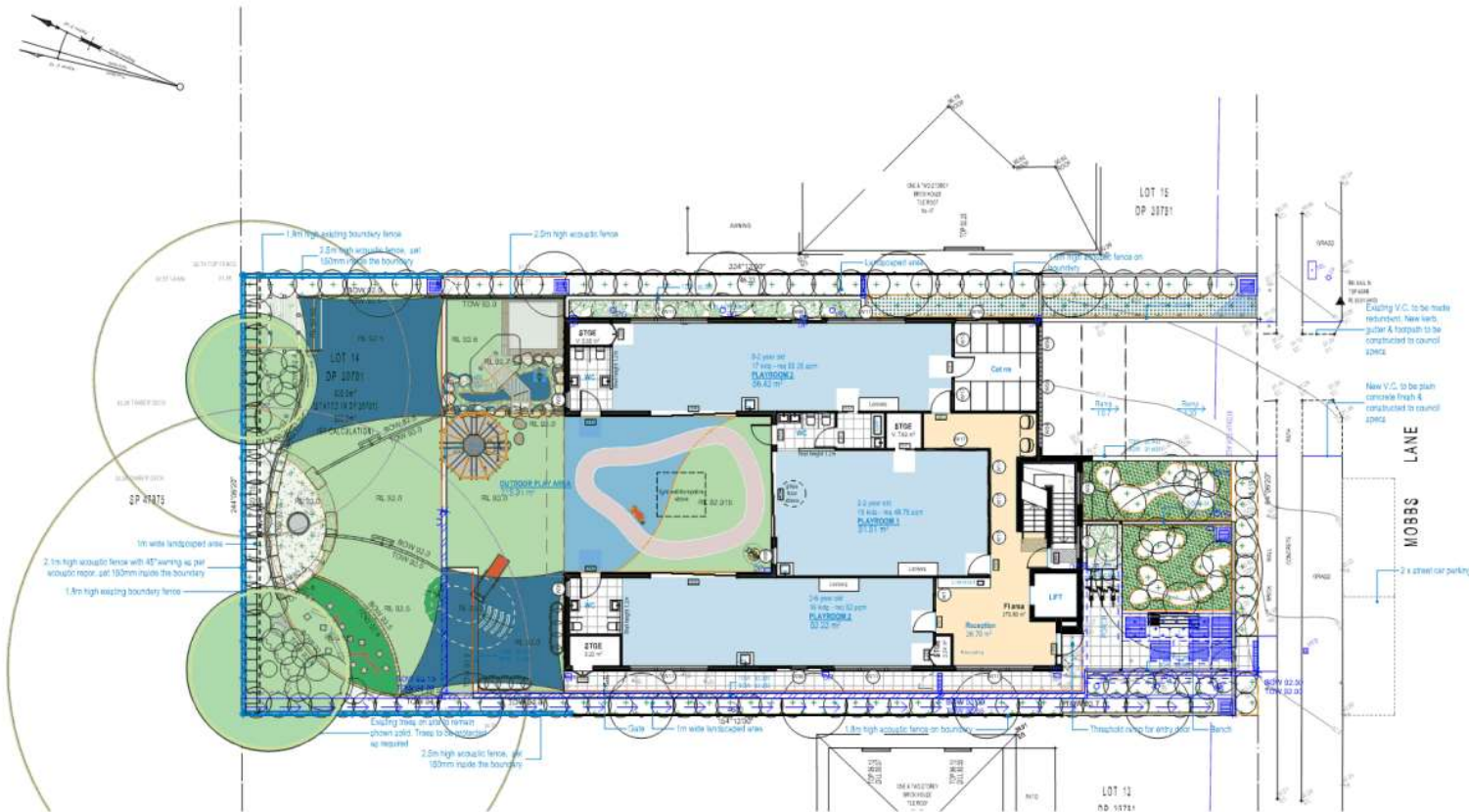
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GROUND FL LANDSCAPE DESIGN

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Issue	Planning Panel Minutes
Issue 1: DA RFI	27/10/2021
Issue 2: DA RFI	22/07/2021
Issue 3: DA RFI	22/07/2021
Issue 4: DA RFI	26/10/2020
Issue 5: DA RFI	16/03/2020
Issue 6: DA RFI	27/07/2020
Issue 7: DA RFI	23/07/2020
Issue 8: DA RFI	20/06/2020
Issue 9: DA RFI	02/06/2020

drawing: GROUND FL LANDSCAPE DESIGN	client: SKYCORP CONSTRUCTION GROUP
project: PROPOSED CHILD CARE CENTRE @ 45 MOBBS LANE CARLINGFORD	drawn: E.K.
scale: as shown	checked: J.E.
sheet size: A3	date: OCT
Council ref: 2020-102	COP

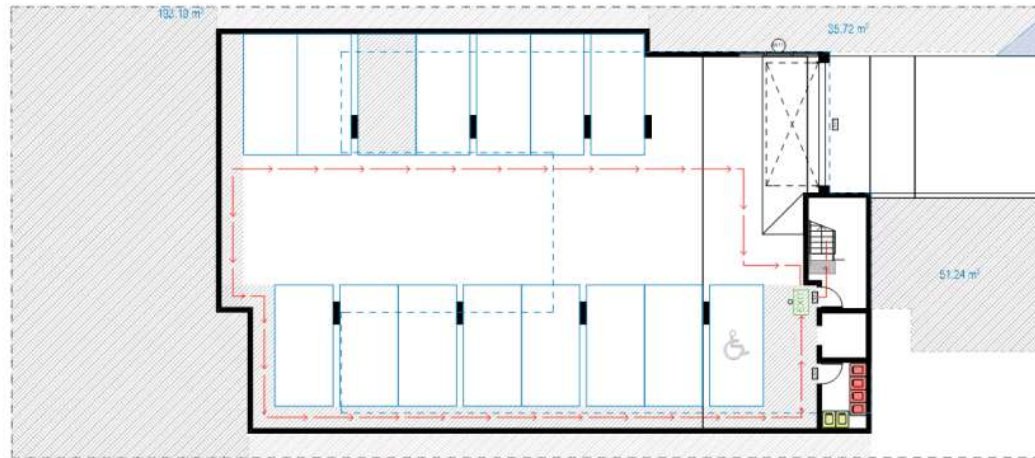
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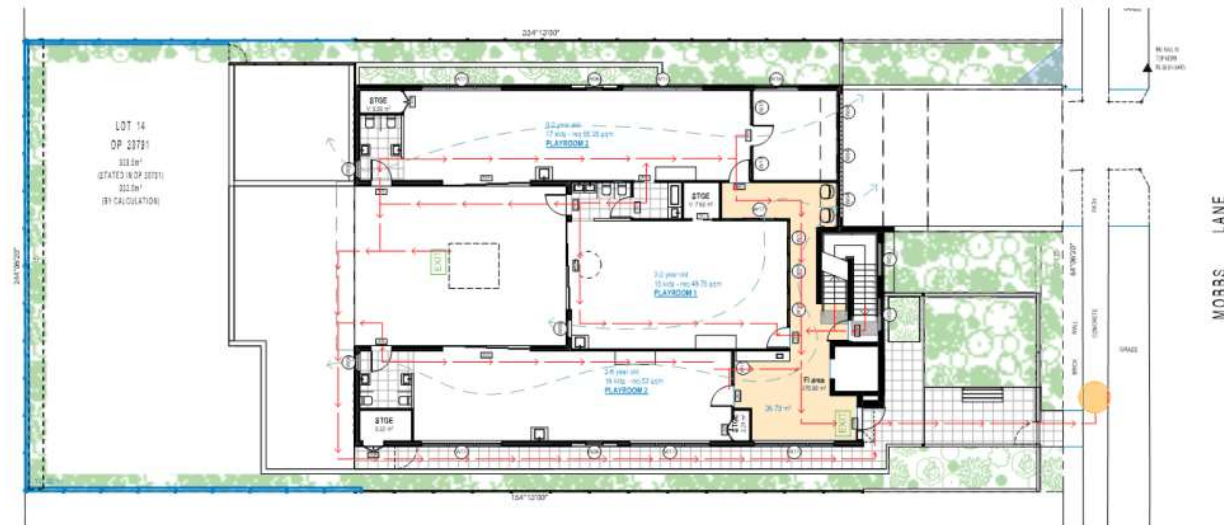
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BASEMENT - EVACUATION PLAN

1:200



GROUND - EVACUATION PLAN

1:200

DIRECTION OF EGRESS  ASSEMBLY POINT

ASSEMBLY POINT

EXIT SIGN

EXIT



issue k:	issue j:	PLANNING PANEL MINUTES	27/10/2021
issue h: DA Ref	issue g: DA Ref		27/07/2021
issue h: DA Ref	issue g: DA Ref comments		28/05/2021
issue f: DA	issue e: DA		16/09/2020
issue f: DA	issue d: DA coordination		16/09/2020
issue c: Pre - DA	issue b: Pre - DA		27/07/2020
issue c: Schematic design	issue a: Schematic design		28/07/2020
issue b: Schematic 84	issue a: Schematic 84		30/04/2020

drawing		EVACUATION PLAN LAYOUTS	
project:		PROPOSED CHILD CARE CENTRE @ 45 MORRIS LANE CARLINGFORD	
client:		SKYCORP CONSTRUCTION GROUP	
drawn:	E.K.	scale:	as shown
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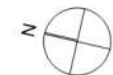
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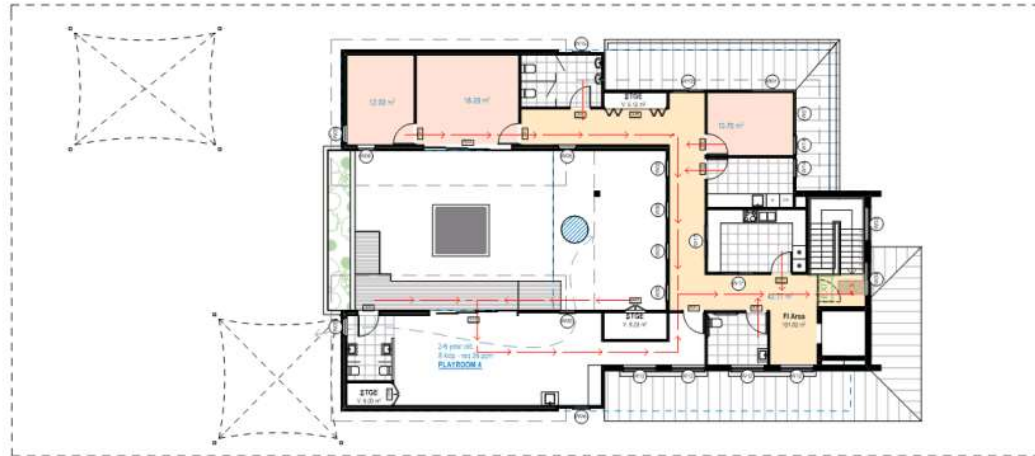
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FIRST - EVACUATION PLAN

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Issue V:	21/03/2021
Issue W:	21/03/2021
Issue X:	21/03/2021
Issue Y:	21/03/2021
Issue Z:	21/03/2021

drawing: EVACUATION PLAN LAYOUTS

project: PROPOSED CHILD CARE CENTRE @ 45 MOBB'S LANE CARLINGFORD

client: SKYCORP CONSTRUCTION GROUP

drawn: E.K. scale: as shown sheet size: A3

checked: J.E. date: OCT ref: 2020-192

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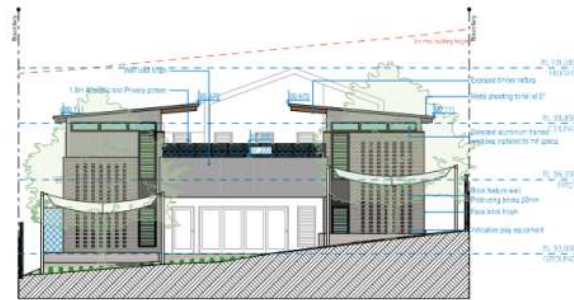
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SOUTH ELEVATION
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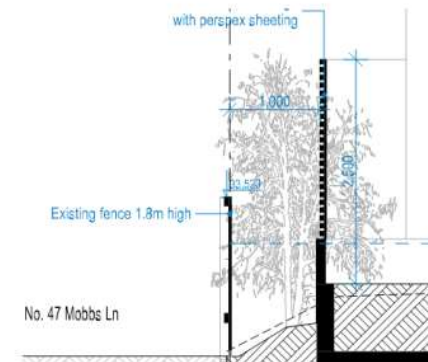
NORTH ELEVATION
1:200



EAST ELEVATION
1:200



WEST ELEVATION
1:200



SECTION C - TYPICAL FENCE DETAIL
1:50

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Issue 50:	27/03/2021

drawing:	ELEVATIONS
project:	PROPOSED CHILD CARE CENTRE @ 45 MOBBS LANE CARLINGFORD
client:	SKYCORP CONSTRUCTION GROUP
drawn:	E.K.
checked:	J.E.
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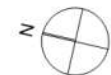
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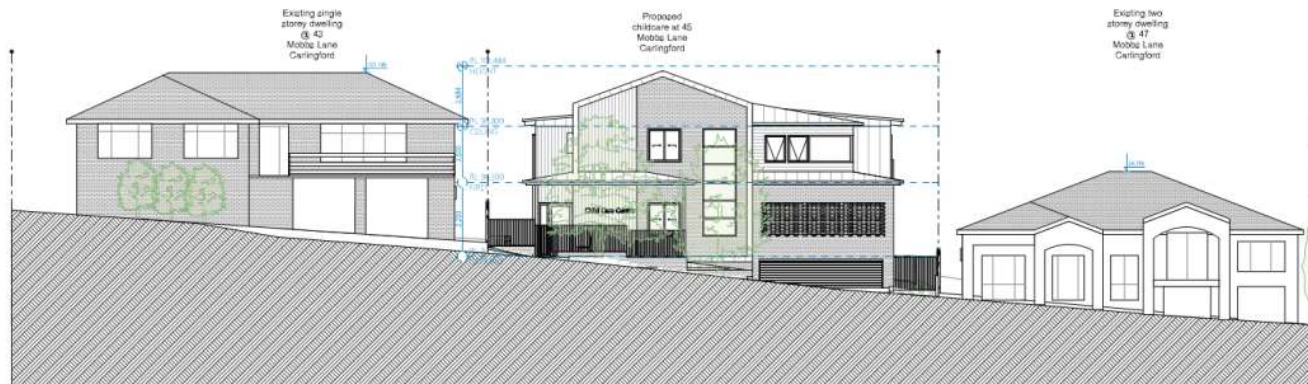
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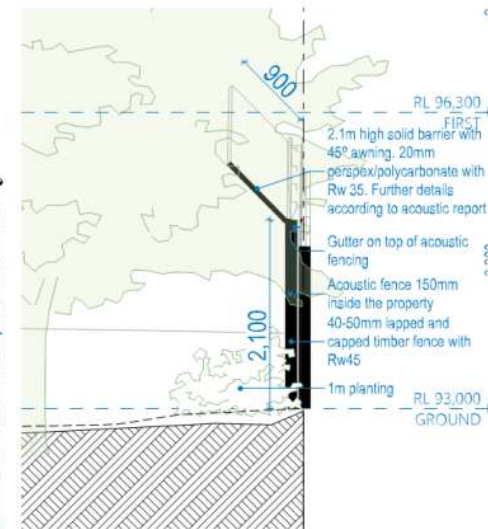




SOUTH STREETSCAPE
1:200



SOUTH FENCE DETAIL
1:100



SECTION D - ACOUSTIC DETAIL
1:50

issue k:		
issue f:	PLANNING PANEL MINUTES	2/1/92/2/1
issue i:	DA RFI	2/2/72/2/1
issue h:	DA RFI	2/2/72/2/1
issue g:	DA RFI comments	2/8/92/2/1
issue f:	DA	2/6/92/2/0
issue e:	DA coordination	16/09/2/0
issue d:	Pre - DA	2/10/72/2/0
issue c:	SCIENTIFIC 64/2/0	2/8/92/2/0
issue b:	SCIENTIFIC 84	2/8/92/2/0
issue a:	SCIENTIFIC 60	02/06/2/0

drawing: ELEVATIONS

project: PROPOSED CHILD CARE CENTRE

at 45 MORRIS LANE CARLINGSFORD

client: SKYCORP CONSTRUCTION GROUP

drawn: E.K. scale: as shown sheet size: A3 Council

checked: J.E. date: OCT ref: 2023-192 COP

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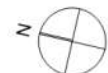


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noninvasive architect - joe@noninvasive 8737

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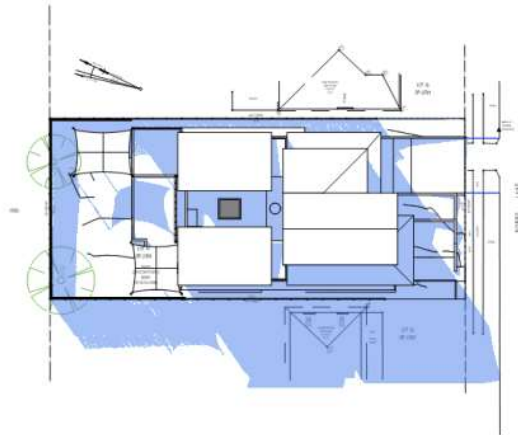




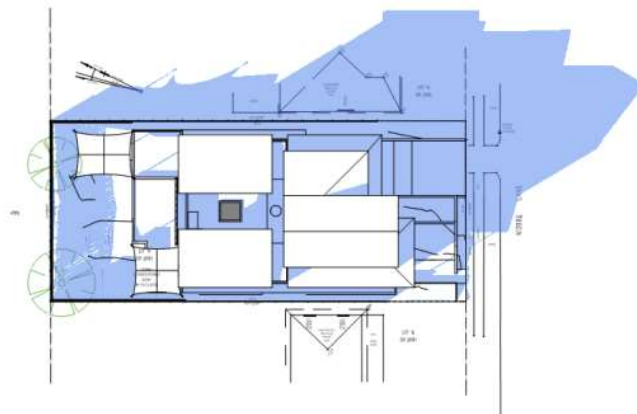
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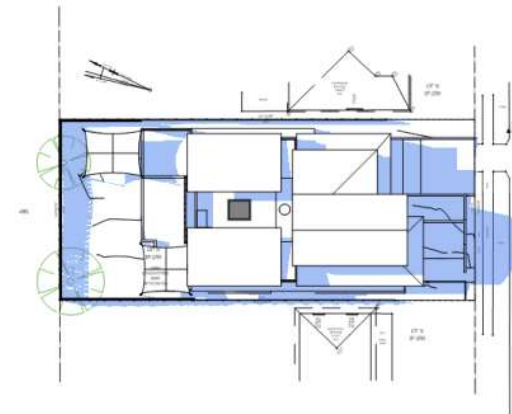




Jun-21-9am
1:500



Jun-21-3pm
1:500



Jun-21-12pm
1:500



Issue 1:	21/10/2021
Issue 2:	21/10/2021
Issue 3:	22/07/2021
Issue 4:	22/07/2021
Issue 5:	26/10/2020
Issue 6:	26/10/2020
Issue 7:	16/09/2020
Issue 8:	23/07/2020
Issue 9:	23/07/2020
Issue 10:	20/06/2020
Issue 11:	06/06/2020

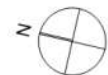
drawing:	SHADOWS - JUN
project:	PROPOSED CHILD CARE CENTRE @ 45 MOBBS LANE CARLINGFORD
client:	SKYCORP CONSTRUCTION GROUP
drawn:	E.K.
checked:	J.E.
scale:	as shown
date:	OCT
ref:	2020-192
sheet size:	A3
Council	COP

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3D VIEWS FROM THE SUN - SHADOW ANALYSIS - JUN 21

SOLAR ACCESS ANALYSIS

* EVERY SURFACE SEEN IN THIS VIEW RECEIVES SUN ON THE
NOMINATED HOUR

9AM



10AM



11AM



12PM



1PM



2PM



3PM



Issue K:	21/10/2021
Issue J:	22/07/2021
Issue I:	22/07/2021
Issue H:	26/10/2020
Issue G:	26/10/2020
Issue F:	16/03/2020
Issue E:	23/07/2020
Issue D:	23/07/2020
Issue C:	20/06/2020
Issue B:	06/06/2020
Issue A:	

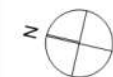
drawing: 3D SHADOWS	client: SKYCORP CONSTRUCTION GROUP	scale: as shown	date: OCT	ref: 2020-192	COP
project: PROPOSED CHILD CARE CENTRE @ 45 MOBBS LANE CARLINGFORD	drawn: E.K.	checked: J.E.			

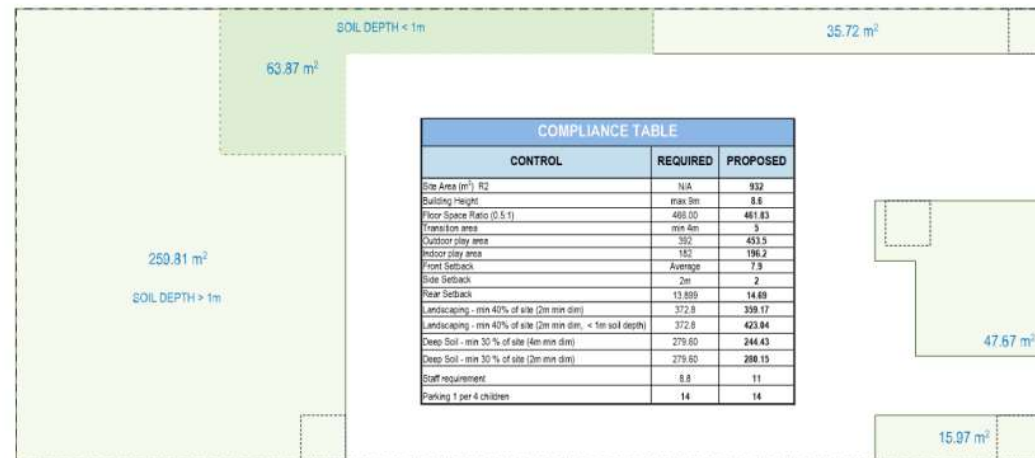
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LANDSCAPED AREA CALCS

1:200

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drawing: LANDSCAPED AREA CALCS
project: PROPOSED CHILD CARE CENTRE
@ 45 MOBBS LANE CARLINGFORD
client: SKYCORP CONSTRUCTION GROUP
drawn: E.K. scale: as shown
checked: J.E. data: OCT

i19
sheet size: A3
ref: 2020-192
Council
COP

Issue k:
Issue l: PLANNING PANEL MINUTES
Issue m: DA REF
Issue n: DA REF comments
Issue o: DA
Issue p: DA coordination
Issue q: DA
Issue r: DA
Issue s: DA
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MATERIALS & FINISHES SCHEDULE @ 45 MOBBS LANE CARLINGFORD



EXTERNAL BRICK WALLS 01

FACE BRICK - RGH VOLCANIC



EXTERNAL BRICK WALLS 02

FACE BRICK - RGH MINERAL



EXTERNAL CLADDING 01

COLOR BOND MATE STANDING SEAM



EXTERNAL CLADDING 02

TUSSED LOOK - JAMES HARDIE OR SIMILAR



DOORS & WINDOWS

ALUMINIUM - POLY BONDING MONO MINIT



ROOF MATERIAL

COLOR BOND STANDING SEAM MATE



DRIVEWAY

CHARCOAL CONCRETE

FRONT RENCE & REAR
AWNING

TUSSED LOOK ALUMINIUM FINISH



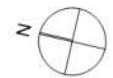
Issue #	Issue Description	Issue Date
Issue 1	PLANNING PANEL MINUTES	21/03/2021
Issue 2	DA REF	22/03/2021
Issue 3	DA REF	22/03/2021
Issue 4	DA REF	22/03/2021
Issue 5	DA REF	22/03/2021
Issue 6	DA REF	22/03/2021
Issue 7	DA REF	22/03/2021
Issue 8	DA REF	22/03/2021
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Issue 10	DA REF	22/03/2021
Issue 11	DA REF	22/03/2021
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Issue 23	DA REF	22/03/2021
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Issue 26	DA REF	22/03/2021
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Issue 57	DA REF	22/03/2021
Issue 58	DA REF	22/03/2021
Issue 59	DA REF	22/03/2021
Issue 60	DA REF	22/03/2021

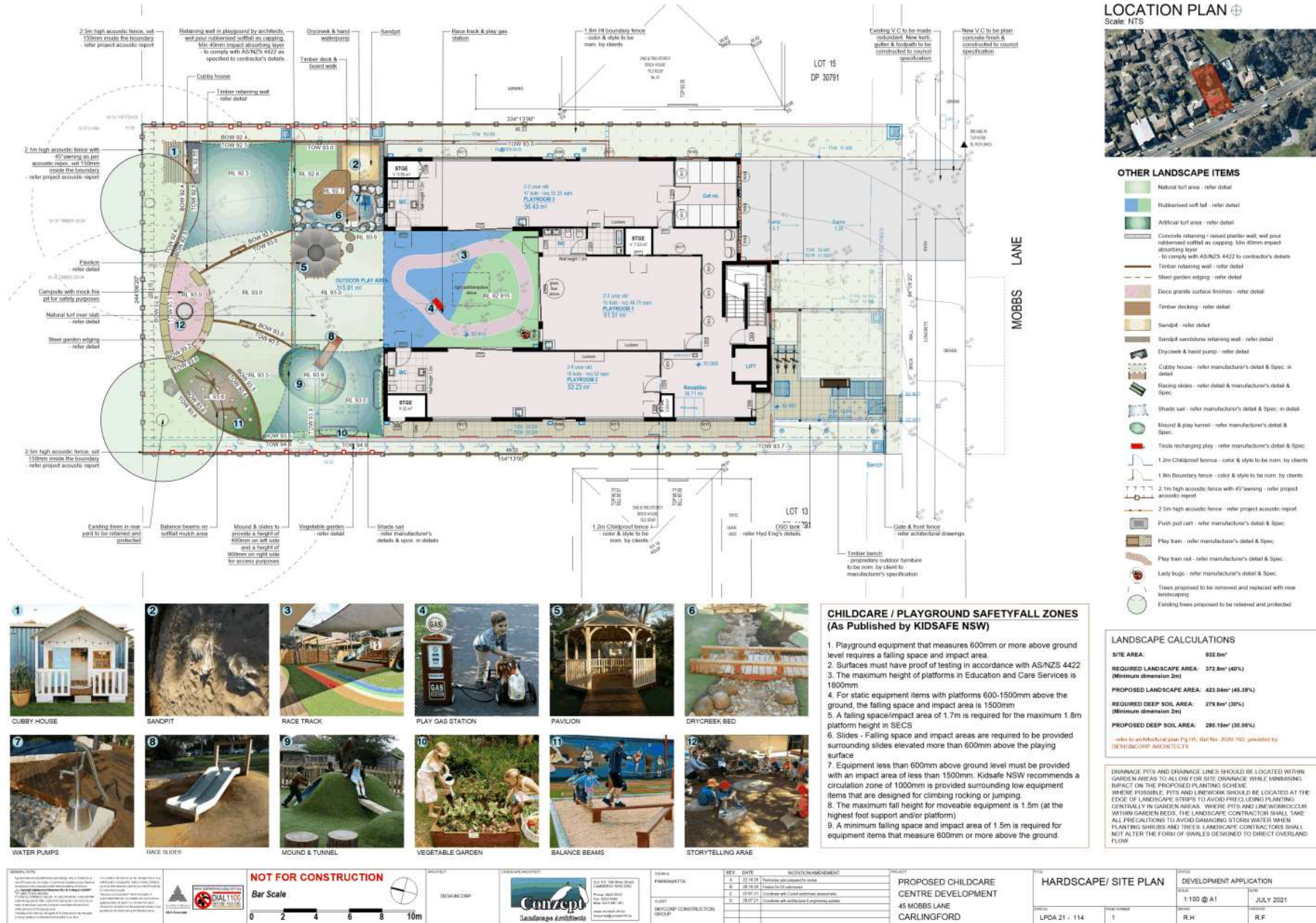
Issue #	Issue Description	Issue Date
Issue 1	PLANNING PANEL MINUTES	21/03/2021
Issue 2	DA REF	22/03/2021
Issue 3	DA REF	22/03/2021
Issue 4	DA REF	22/03/2021
Issue 5	DA REF	22/03/2021
Issue 6	DA REF	22/03/2021
Issue 7	DA REF	22/03/2021
Issue 8	DA REF	22/03/2021
Issue 9	DA REF	22/03/2021
Issue 10	DA REF	22/03/2021
Issue 11	DA REF	22/03/2021
Issue 12	DA REF	22/03/2021
Issue 13	DA REF	22/03/2021
Issue 14	DA REF	22/03/2021
Issue 15	DA REF	22/03/2021
Issue 16	DA REF	22/03/2021
Issue 17	DA REF	22/03/2021
Issue 18	DA REF	22/03/2021
Issue 19	DA REF	22/03/2021
Issue 20	DA REF	22/03/2021
Issue 21	DA REF	22/03/2021
Issue 22	DA REF	22/03/2021
Issue 23	DA REF	22/03/2021
Issue 24	DA REF	22/03/2021
Issue 25	DA REF	22/03/2021
Issue 26	DA REF	22/03/2021
Issue 27	DA REF	22/03/2021
Issue 28	DA REF	22/03/2021
Issue 29	DA REF	22/03/2021
Issue 30	DA REF	22/03/2021
Issue 31	DA REF	22/03/2021
Issue 32	DA REF	22/03/2021
Issue 33	DA REF	22/03/2021
Issue 34	DA REF	22/03/2021
Issue 35	DA REF	22/03/2021
Issue 36	DA REF	22/03/2021
Issue 37	DA REF	22/03/2021
Issue 38	DA REF	22/03/2021
Issue 39	DA REF	22/03/2021
Issue 40	DA REF	22/03/2021
Issue 41	DA REF	22/03/2021
Issue 42	DA REF	22/03/2021
Issue 43	DA REF	22/03/2021
Issue 44	DA REF	22/03/2021
Issue 45	DA REF	22/03/2021
Issue 46	DA REF	22/03/2021
Issue 47	DA REF	22/03/2021
Issue 48	DA REF	22/03/2021
Issue 49	DA REF	22/03/2021
Issue 50	DA REF	22/03/2021
Issue 51	DA REF	22/03/2021
Issue 52	DA REF	22/03/2021
Issue 53	DA REF	22/03/2021
Issue 54	DA REF	22/03/2021
Issue 55	DA REF	22/03/2021
Issue 56	DA REF	22/03/2021
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Issue 58	DA REF	22/03/2021
Issue 59	DA REF	22/03/2021
Issue 60	DA REF	22/03/2021

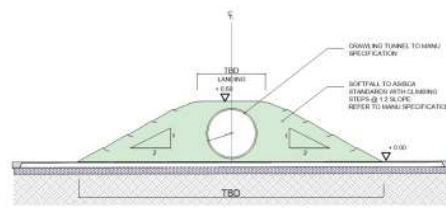
i20
15 dunlop street
north parramatta nsw 2151
ph: +61 2 9630 0011
fax: +61 2 9630 0022
mob: 0431 111 777
admin@designcorp.com.au
www.designcorp.com.au



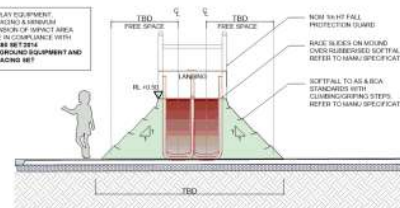
designcorp
ARCHITECTS
notified architect - jw-61-2000-0011
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All drawings must be checked onsite prior to the commencement of any work. Any discrepancies are to be brought to the attention of DESIGNCORP ARCHITECTS.



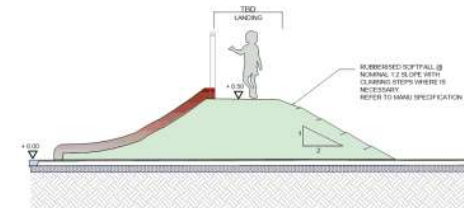




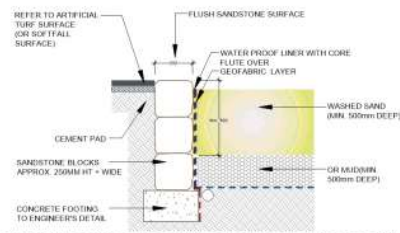
CRAWLING TUNNEL - FRONT ELEVATION
SCALE: 1:20



SLIDE ON MOUND - FRONT ELEVATION
SCALE: 1:20

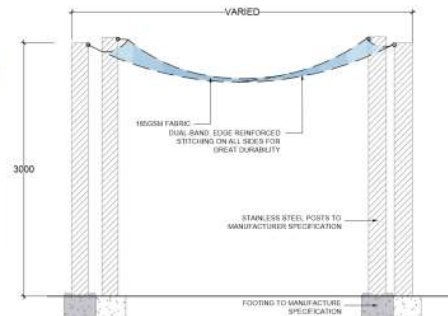


SLIDE ON MOUND - SECTION/ ELEVATION
SCALE: 1:20

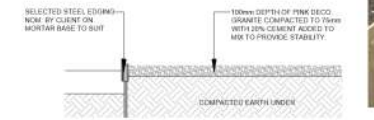


TYPICAL SANDPIT & SANDSTONE EDGING DETAIL
SCALE: 1:20

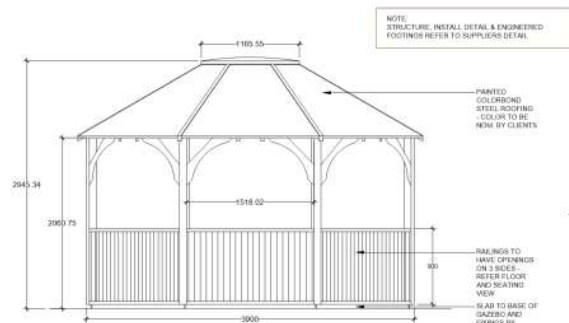
FENCESCREEN SPECIFICATIONS	
PROPERTIES	RESULTS
1. Screen Strength	2500 N/m²
2. Screen Weight	250 kg per 10m²
3. Screen Height	2.0m
4. Screen Width	2.0m
5. Screen Depth	100mm
6. Screen Material	100% Recycled Plastic
7. Screen Color	Blue
8. Screen Texture	Smooth
9. Screen Finish	Matte
10. Screen Installation	Refer to Installation Manual



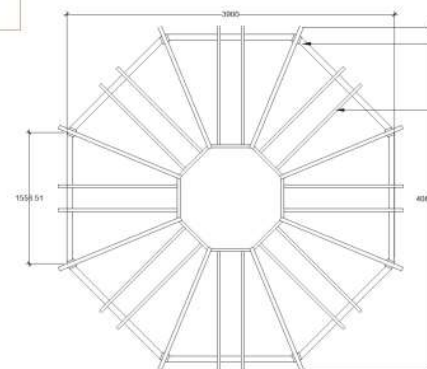
TRELLIS FIXED ON TIMBER FENCE
SCALE: 1:20



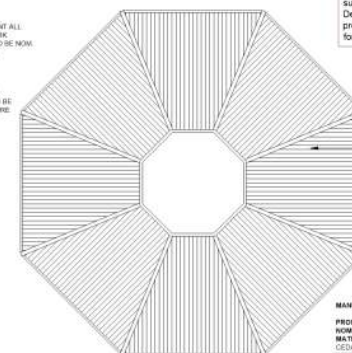
TYPICAL COMPACTED DECO GRANITE DETAIL
SCALE: 1:10



FRONT ELEVATION
SCALE: 1:50
OCTAGONAL GAZEBO TYPICAL DETAIL
scale as shown



BEAM & RAFTERS VIEW
SCALE: 1:50



ROOF VIEW
SCALE: 1:50

Outdoor octagonal gazebo supplied by Gazebo Galore. Details adapted from drawings provided by Gazebo Galore for this product.

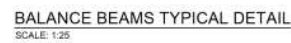
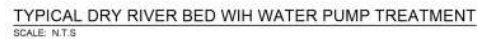
SKYLIGHT AND ROOF MATERIALS AND INSTALLATION BY GAZEBO GALORE.

MANUFACTURER: GAZEBO GALORE
PRODUCT NAME: OCTAGONAL GAZEBO
NOMINAL SIZE: 2.1m OR 2.4m POSTS
MATERIAL: CEDAR OR COLOURBOND ROOF
FINISH: STAINED OR PAINTED FINISH
PH: 1800000123

WEBSITE: <https://gazebogalore.com.au/octagonal-gazebo>



<p>NOT FOR CONSTRUCTION</p>	<p>DESIGN GROUP</p>	<p>CONCEPT</p>	<p>DESIGNER</p>	<p>DATE</p>	<p>REVISION/REMARKS</p>	<p>PROJECT</p>	<p>DETAILS</p>	<p>DEVELOPMENT APPLICATION</p>
<p>1:100 @ A1</p>	<p>4</p>	<p>R.H.</p>	<p>JULY 2021</p>	<p>1:100 @ A1</p>	<p>4</p>	<p>R.H.</p>	<p>JULY 2021</p>	<p>R.F.</p>



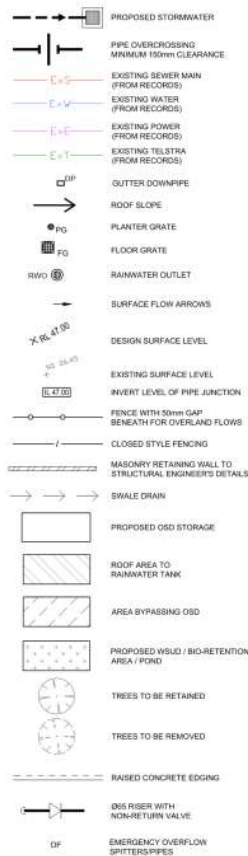
ELEVATION

Page 85

45 MOBBBS LANE, CARLINGFORD

PROPOSED CHILD CARE CENTRE

STORMWATER CONCEPT PLANS

LEGEND**DRAWING INDEX**

Drawing No.	DESCRIPTION
000	COVER SHEET, LEGEND & NOTES
101	STORMWATER CONCEPT PLAN BASEMENT LEVEL SHEET 1 OF 2
102	STORMWATER CONCEPT PLAN BASEMENT LEVEL SHEET 2 OF 2
103	STORMWATER CONCEPT PLAN
104	OSD & WSUD DETAILS AND CALCULATION SHEETS SHEET 1 OF 3
105	OSD & WSUD DETAILS AND CALCULATION SHEETS SHEET 2 OF 3
106	OSD & WSUD DETAILS AND CALCULATION SHEETS SHEET 3 OF 3
107	SEDIMENT & EROSION CONTROL PLAN AND DETAILS
108	MISCELLANEOUS DETAIL 3 SHEET

GENERAL NOTES

- ALL LINES ARE TO BE Ø90 uPVC 1.0% GRADE UNLESS NOTED OTHERWISE. CHARGED LINES TO BE SEWERGRADE & SEALED.
- EXISTING SERVICES LOCATIONS SHOWN INDICATIVE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE & LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS.
- ALL PIPES TO HAVE MIN 150mm COVER IF LOCATED WITHIN PROPERTY.
- ALL PITS IN DRIVEWAYS TO BE 450x450 CONCRETE AND ALL PITS IN LANDSCAPED AREAS TO BE 450x450 PLASTIC.
- PITS LESS THAN 600mm DEEP MAY BE BRICK, PRECAST OR CONCRETE.
- ALL BALCONIES AND ROOFS TO BE DRAINED AND TO HAVE SAFETY OVERFLOWS IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS.
- ALL EXTERNAL SLABS TO BE WATERPROOFED.
- ALL GRATES TO HAVE CHILD PROOF LOCKS.
- ALL DRAINAGE WORKS TO AVOID TREE ROOTS.
- ALL DPTs TO HAVE LEAF GUARDS.
- ALL EXISTING LEVELS TO BE CONFIRMED BY BUILDER PRIOR TO CONSTRUCTION.
- ALL WORK WITHIN COUNCIL RESERVE TO BE INSPECTED BY COUNCIL PRIOR TO CONSTRUCTION.
- COUNCIL'S ISSUED FOOTWAY DESIGN LEVELS TO BE INCORPORATED INTO THE FINISHED LEVELS ONCE ISSUED BY COUNCIL.
- ALL WORK SHALL BE IN ACCORDANCE WITH B.C.A. AND A.S. 3500.3.
- REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR LANDSCAPING.
- CARE TO BE TAKEN AROUND EXISTING SEWER, STRUCTURAL ADVICE IS REQUIRED FOR SEWER PROTECTION AGAINST ADDITIONAL LOADING FROM NEW PITS, PIPES, RETAINING WALLS AND OSD BASIN WATER LEVELS.
- ALL WALLS FORMING THE DETENTION BASINS SHALL BE CONSTRUCTED WHOLLY WITHIN THE PROPERTY BOUNDARIES OF THE SITE BEND DEVELOPED.
- OSD WARNING SIGN AND SAFETY FENCING SHALL BE PROVIDED TO ABOVE GROUND OSD STORAGE AREA IN ACCORDANCE WITH COUNCIL REQUIREMENTS.
- ENSURE THAT NON FLOATABLE MULCH IS USED IN DETENTION BASINS. - USE DECORATIVE ROCK MULCH OR EQUIVALENT.
- ALL PIPES IN BALCONIES TO BE Ø65 uPVC. CAST IN CONCRETE SLAB. CONTRACTOR TO PROVIDE A BREAK / OPEN VOID IN RAIL / BALLUSTRADE FOR STORMWATER EMERGENCY OVERFLOW. ALL ENCLOSED AREAS/PLANTER BOXES TO BE FITTED WITH FLOOR WASTES & DRAINED TO OSD DOWNPIPES TO BE CHECKED BY ARCHITECT & PLUMBER PRIOR TO CONSTRUCTION.
- THE OSD BASIN / TANK IS TO BE BUILT TO THE CORRECT LEVELS & SIZE AS PER THIS DESIGN. ANY VARIATIONS ARE TO BE DONE UNDER CONSULTATION FROM OUR OFFICE ONLY. ANY AMENDMENTS WITHOUT OUR APPROVAL WOULD RESULT IN ADDITIONAL FEES FOR REDESIGN AT OS STAGE OR IF A SOLUTION CANNOT BE FOUND, RECONSTRUCTION IS REQUIRED UNDER THE CONTRACTOR'S EXPENSES.

ROOF NOTE:

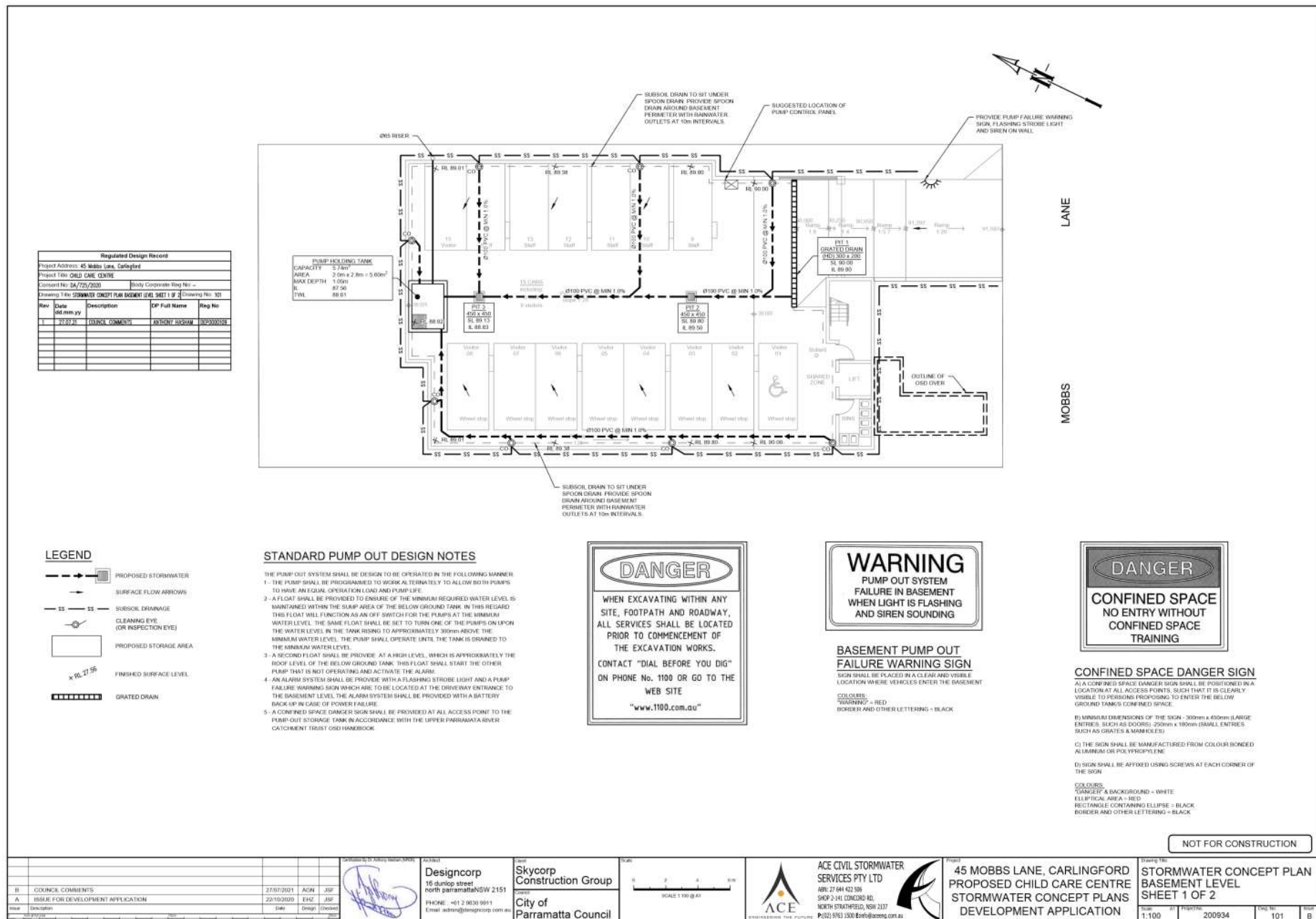
IT IS CONTRACTOR'S RESPONSIBILITY TO ENSURE MINIMUM 30 TO 40mm OF PONDING IS ACHIEVED OVER THE FLOOR WASTES BY GRADING CATCHMENT'S SURFACES AT MINIMUM 1% FALL.

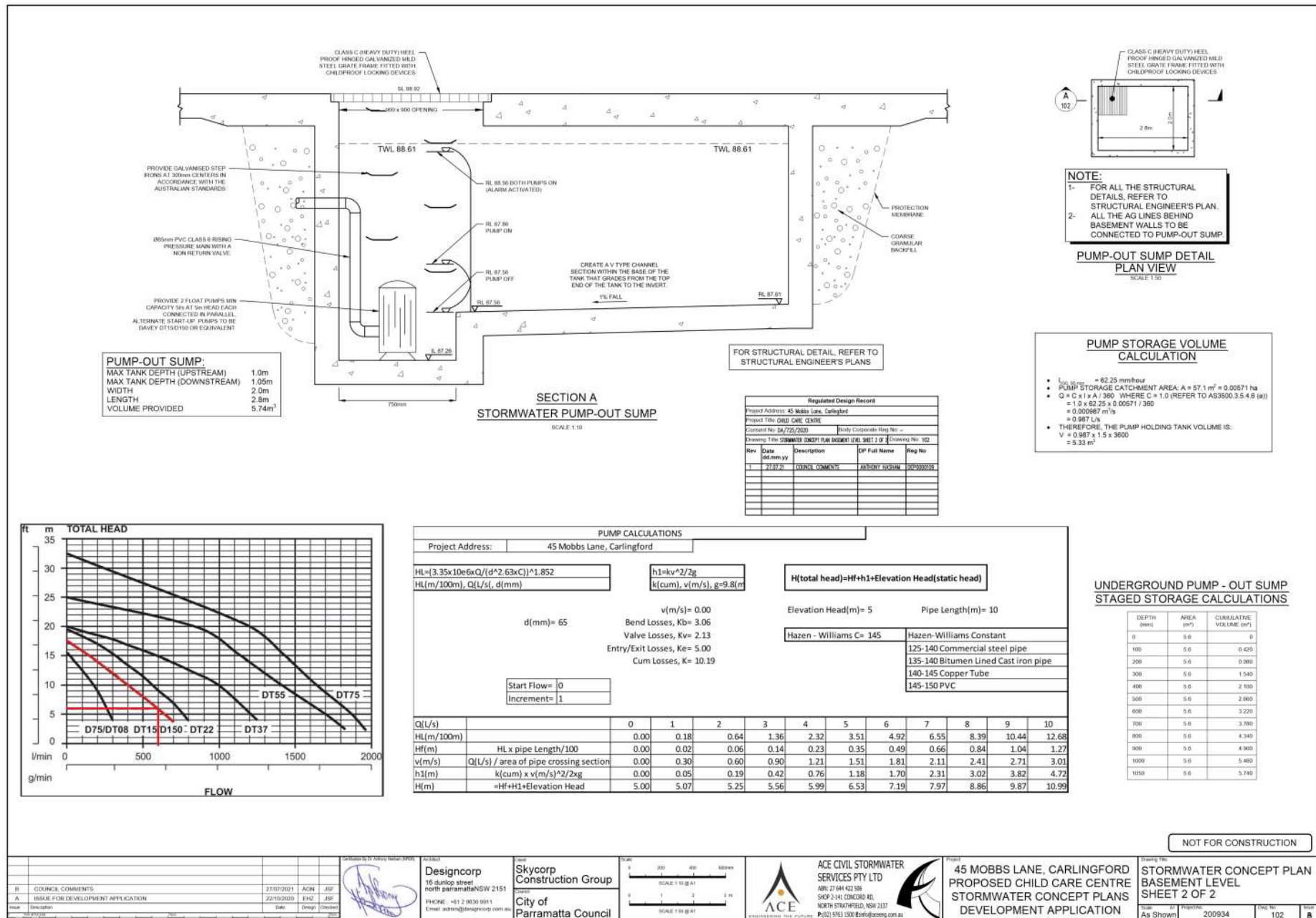
PIPES NOTE:

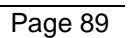
Ø65 PVC @ MIN 1.0%
 Ø90 PVC @ MIN 1.0%
 Ø100 PVC @ MIN 1.0%
 Ø150 PVC @ MIN 1.0%
 Ø225 PVC @ MIN 0.5%
 Ø300 PVC @ MIN 0.4%
 UNLESS NOTED OTHERWISE

NOT FOR CONSTRUCTION

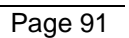
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Rev	Date	Description	OP Full Name	Reg No
1	27/07/21	COUNCIL COMMENTS	ANTHONY HASLAM	257000005
Designincorp 16 dunlop street north paramattas NSW 2151 PHONE: +61 2 9630 9811 Email: admin@designincorp.com.au				
Skycorp Construction Group City of Parramatta Council				
ACE CIVIL STORMWATER SERVICES PTY LTD ABN: 27 641 422 506 SHOP 2-3/1 CONCERN RD, NORTH STRATHFIELD, NSW 2137 P(02) 9743 1200 Email: info@aceciv.com.au				
Project: 45 MOBBBS LANE, CARLINGFORD PROPOSED CHILD CARE CENTRE STORMWATER CONCEPT PLANS DEVELOPMENT APPLICATION				
Drawing Title: COVER SHEET, NOTES & LEGEND				
Scale:	A1: 1:1000	Sheet No:	000	Sheet B

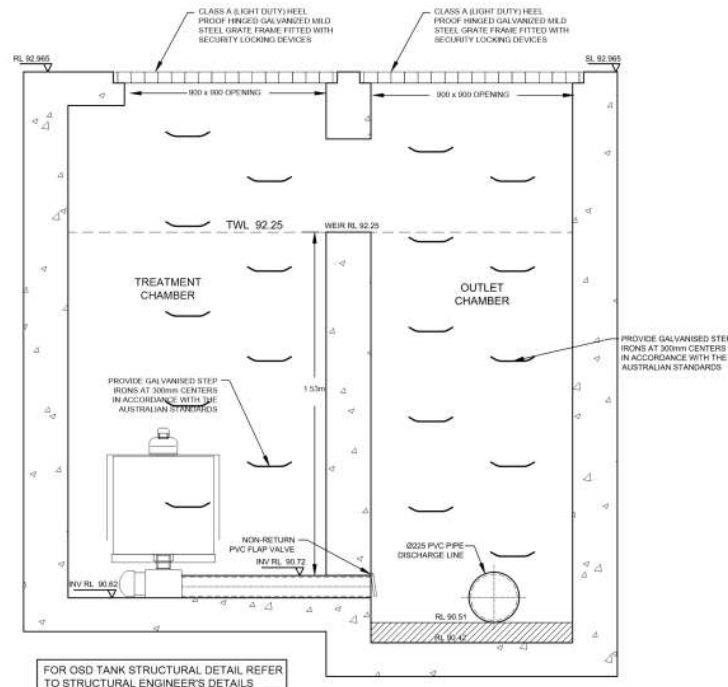






Drawing Title				
OSD & WSUD DETAILS AND CALCULATION SHEETS SHEET 1 OF 3				
Scale	As Shown	Project No.	200934	Drawn By
			1/04	R

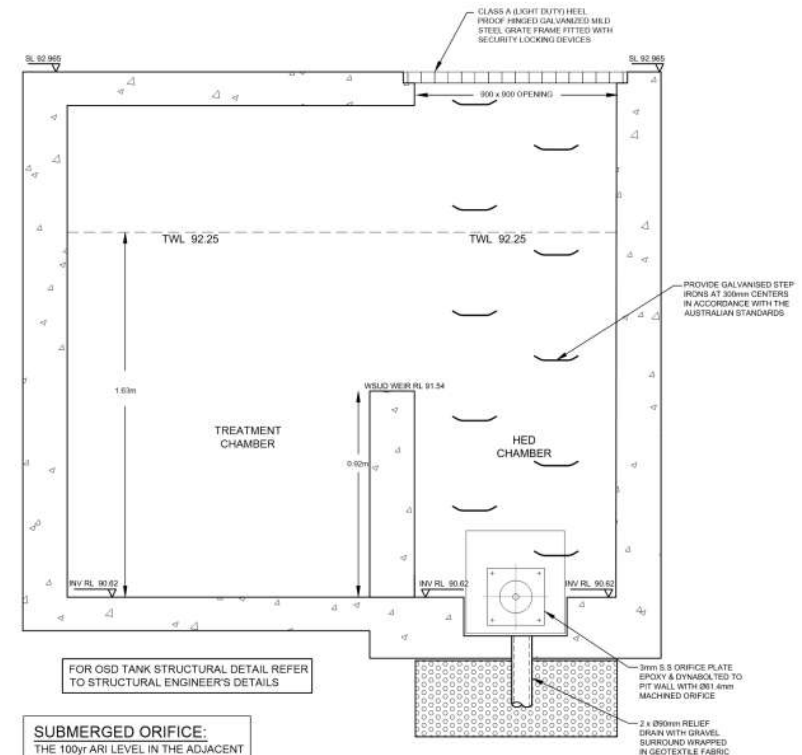




SECTION B
UNDERGROUND OSD/WSUD TANK DETAIL
SCALE 1:10

SUBMERGED ORIFICE:
THE 100yr ARI LEVEL IN THE ADJACENT ROAD IS ASSUMED TO BE AT THE TOP OF THE KERB AT RL 90.50 MAKING THIS ORIFICE NON-SUBMERGED.

Regulated Design Record				
Project Address:	45 Mobbs Lane, Carlingford			
Project Title:	CHILD CARE CENTRE			
Consent No.:	24/725/2020	Body Corporate Reg No.:		
Drawing Title:	OSD & WSUD DETAILS AND CALCULATION SHEETS 1 OF 3	Drawing No.:	306	
Rev	Date	Description	DP Full Name	Reg No
1	27.07.21	COUNCIL COMMENTS	ANTHONY HUSGAM	DP0000108

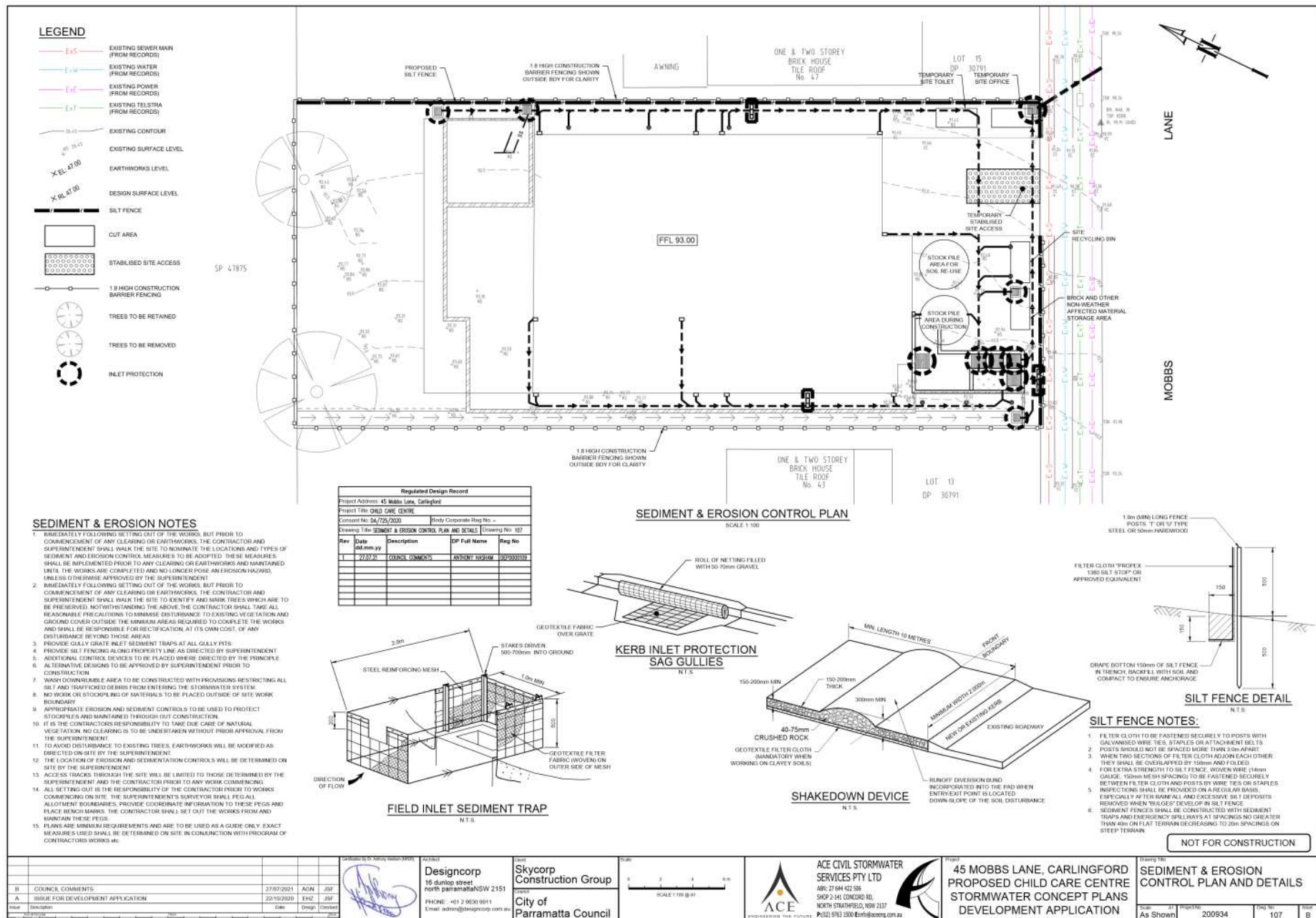


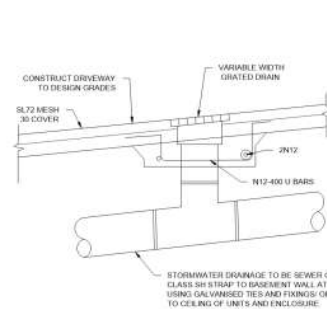
SECTION C
UNDERGROUND OSD/WSUD TANK DETAIL
SCALE 1:10

SUBMERGED ORIFICE:
THE 100yr ARI LEVEL IN THE ADJACENT ROAD IS ASSUMED TO BE AT THE TOP OF THE KERB AT RL 90.50 MAKING THIS ORIFICE NON-SUBMERGED.

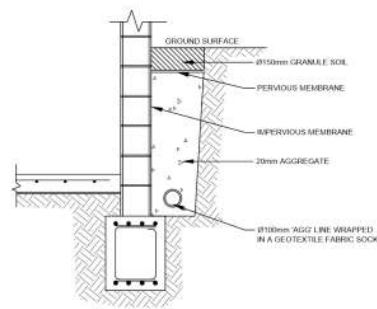
<p>Designed by: Anthony Husgam (DP0000108)</p> <p>Designcorp 16 dunlop street north parramattasw 2151 PHONE: +61 2 9630 9911 Email: andy@designcorp.com.au</p>				<p>Client: Skycorp Construction Group City of Parramatta Council</p>		<p>Scale: 0 200 400 600mm SCALE 1:10 @ A1</p>		<p>ACE CIVIL STORMWATER SERVICES PTY LTD ABN: 27 641 422 506 SHOP 2-3/1 CONCORD RD, NORTH STRATHFIELD, NSW 2137 P(02) 9153 1300 Email: info@acecivil.com.au</p>		<p>Project: 45 MOBBS LANE, CARLINGFORD PROPOSED CHILD CARE CENTRE STORMWATER CONCEPT PLANS DEVELOPMENT APPLICATION</p>		<p>Drawing Title: OSD & WSUD DETAILS AND CALCULATION SHEETS SHEET 3 OF 3</p>		<p>Scale: As Shown</p>		<p>Year: 200934</p>		<p>Page No: 106</p>		<p>Sheet: B</p>	
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NOT FOR CONSTRUCTION

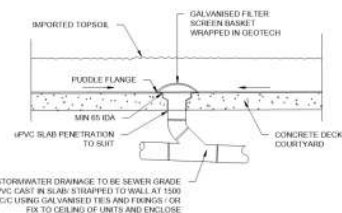




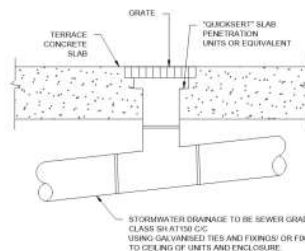
GRADED DRAIN DETAIL
N.T.S.



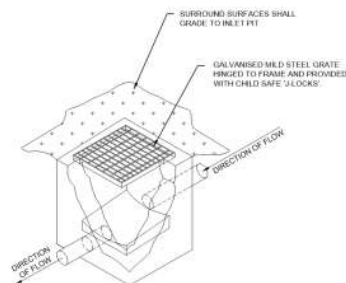
TYPICAL SUBSOIL DRAIN
N.T.S.



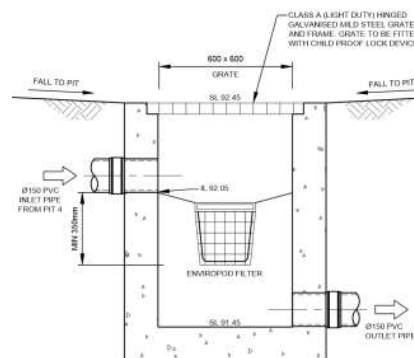
PLANTER GRATE DETAIL
N.T.S.



RAINWATER OUTLET DETAIL
N.T.S.



TYPICAL GRADED INLET PIT DETAIL
N.T.S.



PIT 3 OceanGuard CONFIGURATION SECTION
SCALE 1:10

CALCULATION OF OPEN CHANNEL FLOW CAPACITY

Width (m)	0.65	Velocity (m/s)	1.833
Depth (m)	0.1	Capacity (m³/s)	0.109
Slope (%)	1.80	Capacity (L/s)	107.6
		Multi Capacity (m³/s)	0.109
No parallel conduits	1		
Q Sect Area	0.065		

$$C = 0.9$$

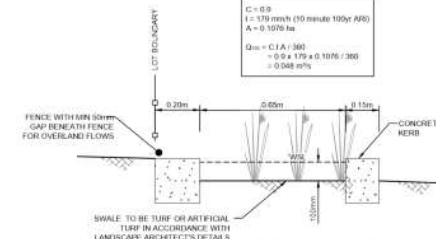
$$V = 1.79 \text{ m/s (10 minute 100c APR)}$$

$$A = 0.1076 \text{ ha}$$

$$Q = C \cdot I \cdot A / 360$$

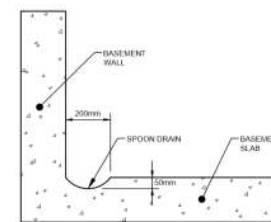
$$= 0.9 \times 1.79 \times 0.1076 / 360$$

$$= 0.048 \text{ m³/s}$$



TYPICAL SWALE DRAIN DETAIL
SCALE 1:10

Regulated Design Record				
Project Address: 45 Mobbs Lane, Carlingford				
Project Title: CHILD CARE CENTRE				
Consent No: 04/725/2020	Body Corporate Reg No: -		Drawing No: 108	
Rev	Date	Description	DP Full Name	Reg No
1	27/07/20	DESIGN COMMENTS	ANTHONY HOGAN	SP000010



SPOON DRAIN SECTION DETAIL
SCALE 1:10

NOT FOR CONSTRUCTION

										<div>Reviewed by Mr Anthony Nathan (SHEP)</div> <div>Designcorp 16 dunlop street north paramattasw 2151 PHONE: +61 2 9630 9811 Email: admin@designcorp.com.au</div>										<div>Skycorp Construction Group</div> <div>City of Parramatta Council</div>										<div>ACE CIVIL STORMWATER SERVICES PTY LTD ABN: 27 644 422 506 SHOP 2-3/1 CONCORD RD, NORTH STRATHFIELD, NSW 2137 P: (02) 9743 1300 E: info@acecivil.com.au</div>										<div>45 MOBB'S LANE, CARLINGFORD PROPOSED CHILD CARE CENTRE STORMWATER CONCEPT PLANS DEVELOPMENT APPLICATION</div>										<div>MISCELLANEOUS DETAILS SHEET</div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													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Skycorp Construction Group Pty Ltd

45 Mobbs Lane, Carlingford

Childcare Centre DA Assessment

Author	Fu Siong Hie, B.Eng, MAAS Principal Consultant
Document Reference:	SYD2018-1022-R003D
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1 Introduction

The following report has been prepared by Acouras Consultancy on behalf of Skycorp Construction Group Pty Ltd to assess the potential for noise impact associated with the 45 Mobbs Lane, Carlingford.

The development will include:

- Basement level carpark.
- Ground level: Three (3) indoor playrooms, open outdoor playarea, undercover outdoor playarea, cot room, reception and amenities.
- First level – One (1) indoor playroom, outdoor playarea on balcony, staff room, meeting, manager office, kitchen, laundry and amenities.

The proposed childcare centre development is located on a site surrounded by existing residential properties. The site location is shown in Figure 1.

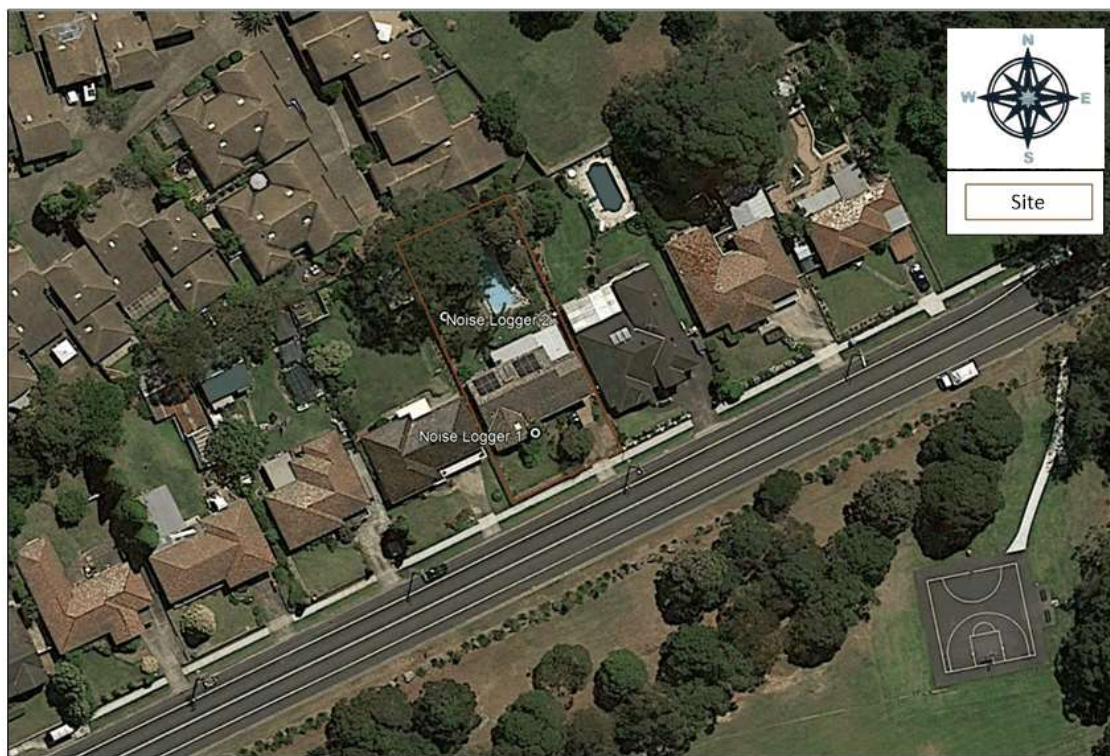


Figure 1 – Site Location, Nearest Residents and Noise Logger Position

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2 Noise Criteria

The following standards and guidelines are applicable to this project:

- Parramatta City DCP (2011) Appendix 10 "Acoustic Privacy - Child Care Centres".
- NSW EPA "Industrial Noise Policy" (INP) and "Road Noise Policy" (RNP).
- Association of Australian Acoustical Consultants (AAAC) "Guideline for Child Care Centre Acoustic Assessment" (September 2010).
- Australian standard AS/NZS 2107-2016: Acoustics – Recommended design sound levels and reverberation times for building interiors.
- Australian standard AS 1055.1-1997: Acoustics – Description and measurement of environmental noise - General procedures.

2.1 Internal Noise Levels

For a childcare centre development, Parramatta DCP recommends that the following L_{Aeq} levels are achieved in the internal spaces.

Table 1— Parramatta DCP Childcare Centre Internal Noise Level

Space	Internal Noise Criteria
Sleeping Rooms	L_{Aeq} 15 minute of 35 dB(A)
Other rooms	L_{Aeq} 15 minute 40dB(A)

Also, AS/NZS 2107–2016 outlines the acceptable internal noise levels within occupied spaces in new and existing buildings. Table 2 presents the recommended internal design noise levels for the various spaces in a childcare centre.

Table 2— Recommended Internal Design Noise Levels (AS/NZS 2107)

Type of occupancy/activity	Design Sound Level ($L_{Aeq,t}$) Range
Office areas	40 to 45
Staff common rooms	40 to 45
Toilets	< 55

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2.2 Outdoor Noise Levels

Association of Australian Acoustical Consultants (AAAC) "Guideline for Child Care Centre Acoustic Assessment" (September 2010) recommends the following criteria for noise intrusion from traffic, rail and industry.

The noise level $L_{eq,1hr}$ from road, rail traffic or industry at any location within the outdoor play or activity area during the hours when the Centre is operating shall not exceed 55 dB(A).

In addition to the above, the Parramatta City DCP (2011) Appendix 10 also recommends that for:

All external areas at the centre that are utilised by children or babies for external recreation and learning activities.

External Noise - Playgrounds and Activity Areas L_{Aeq} 1 Hour 55 dB(A)

2.3 Noise Survey and Project Specific Limits

An unattended noise survey was carried out at the site to measure the background and ambient noise levels. Noise monitoring was conducted between Wednesday 11th to Tuesday 17th April 2018.

Measurements were conducted using the following equipment:

- SVAN 977 Type 1 Real time Analyser/Noise Logger. Serial No. 34135.
- SVAN 977 Type 1 Real time Analyser/Noise Logger. Serial No. 34892.
- SVAN SV30A Type 1 Sound Level Calibrator. Serial No. 31830.

Noise monitoring was conducted in general accordance with Australian standard AS 1055.1-1997: Acoustics-Description and measurement of environmental noise-General procedures. The noise analyser was calibrated immediately before and after measurements were taken with no discernible differences between these two recorded levels. The sound analyser is Type 1 and complies with Australian standard AS1259.2: 1990.

The monitor was positioned at the following locations as shown in Figure 1:

- Location 1 (L1): Front of 45 Mobbs Lane. Noise logger was positioned on the front veranda facing Mobbs Lane to determine existing traffic noise levels.
- Location 2 (L2): Rear of 45 Mobbs Lane. Noise logger was positioned in the rear yard adjacent near the western boundary.

During the monitoring period any adverse weather condition and weekend data have been excluded. The noise logger results are presented in Appendix C.

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**2.3.1 Measured Traffic Noise Levels**

Table 3 presents a summary of the measured ambient noise level and traffic noise impacting the development. There is no correction for façade reflection.

Table 3 – Measured Ambient and Traffic Noise and Levels, dBA

Location	Period	Average L_{eq}	Highest L_{eq} 1hr
L1: Mobbs Lane	Day (07:00-22:00)	58	61
	Night (22:00-07:00)	52	59

2.3.2 Children Activity Noise Limits (DCP)

For childcare centres, Table A10.1 of the Parramatta DCP states that,

Noise Criteria: Intrusiveness: A source noise (sound pressure) level of 75dB(A) at 1m, positioned a minimum of 1m above the ground, must be adopted for noise from children's activities (internal and external). L_{Aeq} 15 minute from the child care centre must not exceed the pre-existing background L_{A90} noise levels plus 5 dB(A), at 1 m from the facade of sensitive receivers.

Applicable to: Noise emissions from activities at the child care centre (including noise from external and internal play/teaching/sleeping areas, car parking and fixed plant).

Table 4 presents a summary of the measured background noise level and the allowable intrusive noise limit for this project in accordance with the DCP.

Table 4—Noise Survey Summary and Project Limits, dBA

Position	Time Period	Existing Noise Levels			DCP Noise Limits, $L_{A90}+5 \text{ dB(A)}=L_{eq}(15\text{min})$
		L_{eq} (period)	L_{90} (period)	RBL	
L1	Day (07:00-18:00)	58	43	40	48
	Evening (18:00-22:00)	57	42	39	47
	Night (22:00-07:00)	52	35	33	N/A
L2	Day (07:00-18:00)	52	43	40	48
	Evening (18:00-22:00)	49	44	41	49
	Night (22:00-07:00)	48	38	35	N/A

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**2.3.3 NSW Industrial Noise Policy**

For the proposed childcare centre, the procedures as set out in the NSW Industrial Noise Policy have been applied to determine the allowable noise limits for the operation of mechanical plant. Table 5 presents a summary of the measured background noise level and the allowable intrusive and amenity noise limit for this project. The amenity criteria are based on a suburban receiver.

During detailed design stage, the design and selection of the mechanical equipment required to service the proposed development will be required to achieve the EPA noise limits as presented in Table 5.

Table 5—Noise Survey Summary and INP Project Limits, dBA

Type of Receiver/ Noise logger Location	Time Period	Existing Noise Levels		NSW Industrial Noise Policy	
		L_{eq} (period)	RBL	Amenity Criteria Recommended Noise Level (acceptable), L_{eq}	Project Specific Limit L_{eq}
Residential/ L1	Day (07:00-18:00)	58	40	55	45
	Evening (18:00-22:00)	57	39	45	43
	Night (22:00-07:00)	52	33	40	38
Residential/ L2	Day (07:00-18:00)	52	40	55	45
	Evening (18:00-22:00)	49	41	45	43
	Night (22:00-07:00)	48	35	40	38

2.3.4 Summary of Children Activity Noise Limits

The following Table 5 presents a comparative summary of the noise limit in accordance with the DCP and the EPA INP for this project. For the purpose of this assessment, the EPA INP noise limits have been applied.

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Table 6—Summary of Children Activity Noise Limits, dBA

Position	Time Period	DCP Noise Limits, $L_{eq}(15min)$	EPA INP Limit $L_{eq}(15min)$
L1	Day (07:00-18:00)	48	45
	Evening (18:00-22:00)	47	43
	Night (22:00-07:00)	N/A	N/A
L2	Day (07:00-18:00)	48	45
	Evening (18:00-22:00)	49	43
	Night (22:00-07:00)	N/A	N/A

2.4 Traffic Noise Generation

The development of the childcare centre has the potential to generate increased traffic noise along Mobbs Lane will be assessed in accordance with the NSW EPA Road Noise Policy (RNP). Table 7 sets out the assessment criteria for residences to be applied to particular types of project, road category and land use.

Table 7— Road Traffic Noise Assessment Criteria

Road Category	Type of project/land use	Assessment Criteria - dBA	
		Day (7am-10pm)	Night (10pm-7am)
Local roads	Existing residences affected by additional traffic on existing local roads generated by land use developments	L_{Aeq} , (1 hour) 55 (external)	L_{Aeq} , (1 hour) 50 (external)

For existing residences and other sensitive land uses affected by additional traffic on existing roads generated by land use developments, any increase in the total traffic noise level should be limited to 2 dB above that of the corresponding 'no build option'.

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3 Assessment and Recommendations

3.1 Façade Glazing Requirements

Acoustic glazing for the various spaces are given in Table 8 is required to reduce noise intrusion into the internal spaces and should result in noise levels within such units in accordance with the DCP and the Australian Standards AS/NZS 2107:2016.

Table 8 – Schedule of Window and Glazing (R_w)

Level	Façade	Space	Glazing Thickness	Minimum R_w (Glazing+Frame)
All	All	All	6.38mm laminated	30

All Windows/doors should be well sealed (air tight) when closed with good acoustic seals around the top and bottom sliders. Mohair seals are not considered to be acoustic seals.

3.2 Building Façade Construction

To provide sufficient acoustic attenuation, the general external construction of the proposed building would need to be constructed as detailed in Table 9.

Table 9 – External Façade Construction (R_w)

Building Element	Proposed Construction	Minimum R_w
External Wall	Brick Veneer of Double brick	45
Roof and ceiling	Corrugated colourbond roof with 75mm insulation (nominal density 10kg/m ³) and suspended 13mm plasterboard ceiling	45

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**3.3 Noise from Children Activities**

The proposed childcare centre intends to operate Monday to Friday between 7.00am to 7.00pm to accommodate a total of 58 children. Staff arriving before 7am are to minimise any excessive noise outside the centre to prevent any potential noise impact or likelihood of sleep disturbance. The facility will be closed on Public Holidays. To control activity noise, there will be restricted outdoor activity before 8:00am or after 5.30pm. The time made available for outdoor activities is approximately an hour in the morning and in the afternoon. For the assessment of the children activity noise, the nearest potentially affected receivers are:

- R1: 43 Mobbs Lane.
- R2: 47 Mobbs Lane.
- R3: 2 Freeman Place (townhouses).

The proposed centre would have a total of 58 children and the following spaces indicate that maximum allowable in each of the external spaces:

- Ground Level:
 - Play Room 1: up to 15 children aged 2-3.
 - Play Room 2: up to 16 children aged 3-6.
 - Play Room 3: up to 17 children aged 0-2.
 - Outdoor Playarea to have a maximum of:
 - 16 children aged 3-6 or aged 2-3 at any one time.
 - 17 children aged 0-2 at any one time.
- Level 1:
 - Play Room 4: up to 10 children aged 3-6.
 - Outdoor Playarea on the balcony to have a maximum of 10 children aged 3-6 at any one time.

The assessment of children activity noise in the external playscape have been predicted based on the following parameters:

- Source noise is averaged of the entire area of the outdoor playarea.
- Source height is taken a 1m from the playarea ground level.
- The elevated equipment located in the undercover and on level 1 are relatively low in height, with only ever one child on the equipment at any one time. The effect of the elevated equipment would be negligible to the overall noise level.
- Calculations have been conducted based on ISO9613 using CadnaA (version 4.5.149).
- Pre-recorded music played in the centre has not been included in these predictions. However, if any pre-recorded music is played in the indoors activity rooms, it is recommended that all doors and windows closed.

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- For this assessment, the assumed sound power for children noise is presented in Table 10 below depending on the age range. The sound power levels given in the table below have been extrapolated for the proposed number of children in each playscape or activity room as outlined above.

Table 10—Typical Sound Power Levels from Children (Source: AAAC)

Description	Sound Power Level
10 Children aged 0-2 years	77-80
10 Children aged 2-3 years	83-87
10 Children aged 3-6 years	84-90

Based on the initial predictions, noise level of children activity at the nearest receivers without any noise mitigation controls would exceed the DCP activity noise limits for children activity. Therefore, the following noise control measures are recommended:

- Ground level barriers are detail in Figure 2 and Figure 3. For the outdoor playarea on level 1 balcony, there is a have a 1.8m high solid screen/balustrade (no gaps).
- The screen/balustrade can be constructed of laminated glass (10.38mm thick laminated) or 20mm thick perspex/polycarbonate with a minimum acoustic performance of Rw35.
- The acoustic barrier (no gaps). on the boundary can be constructed of lapped and capped timber fence (40-50mm thick), masonry or brick with a minimum acoustic performance of Rw45.
- The underside/ceiling of the undercover outdoor playarea on the ground floor is to be lined with sound absorption material (min, NRC 0.5), such as Acoufelt, CSR Martini or similar.

The following Table 11 summaries the cumulative children noise at the nearest receivers. The noise model prediction in given in Figure 2 and Figure 3 using the AAAC noise levels.

Table 11 – Predicted Cumulative Noise from Outdoor Playarea (Ground & Level 1)

Receiver	INP Noise Limits, $L_{eq}(15min)$ (Day)	Applying AAAC Noise Levels		Applying DCP 75dBA @ 1m	
		Predicted Noise Level @ 1m from facade, $L_{eq15min}$ dBA	Complies (Y/N)	Predicted Noise Level @ 1m from facade, $L_{eq15min}$ dBA	Complies (Y/N)
R1	43	42	Y	38	Y
R2	43	40	Y	37	Y
R3	43	46	N	42	Y

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Using the children noise levels given by the AAAC, the predictions we predict the noise level would comply with the children noise limit at 43 Mobbs Lane (R1) and 47 Mobbs Lane (R2). For the townhouse residents at 2 Freeman Place the noise level is predicted to marginally exceed by 3dB, which subjectively would be indiscernible to the average listener. Therefore, to manage any exceedances the operators of the centre should implement the strategies outlined in the following Section 3.4.

By applying Council's DCP children noise level of 75dB at 1m, the predictions indicate the children noise levels would comply at all receivers.

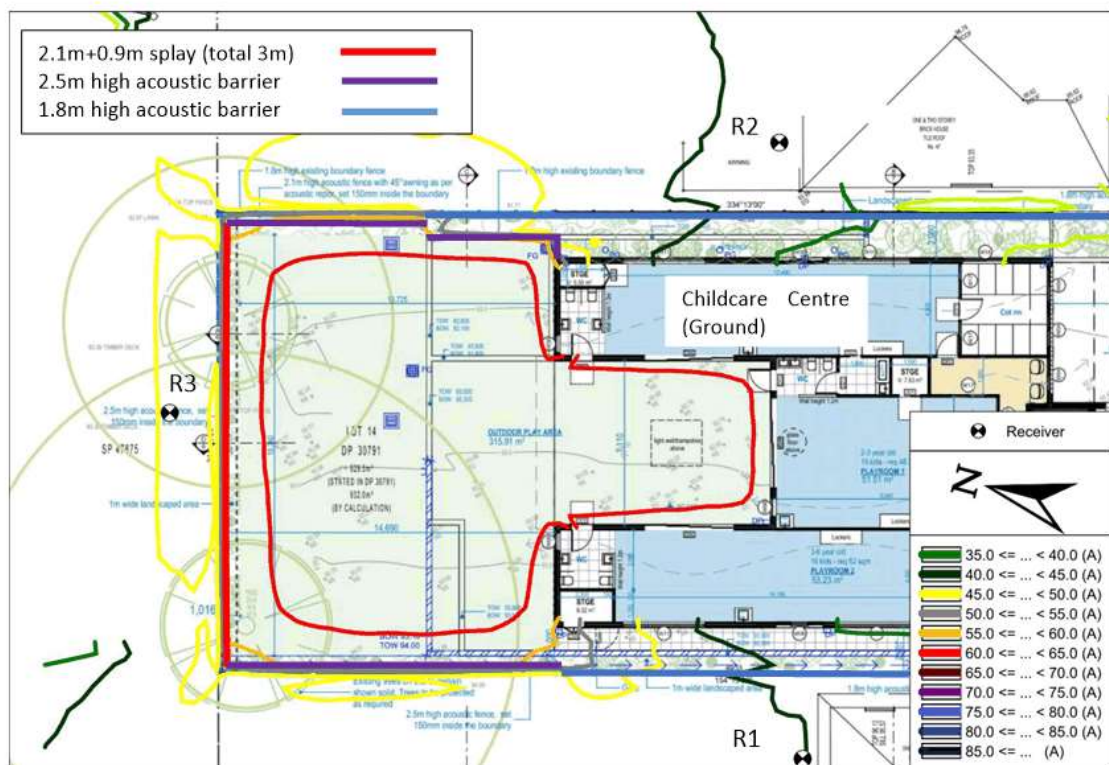


Figure 2 – Ground Level – Noise Model & Acoustic Barrier

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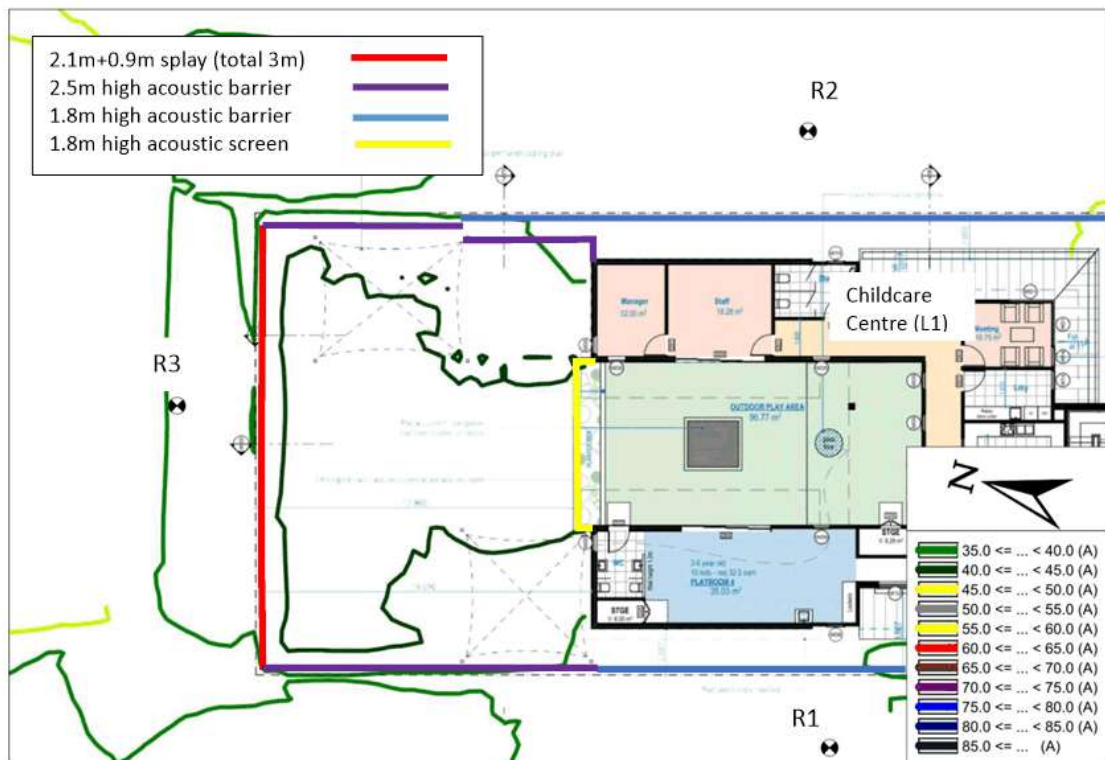
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Figure 3 – Level 1 – Noise Model & Acoustic Barrier

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3.4 Childcare Centre Noise Management

To manage noise from the centre, the following are the recommended managerial practices to be implemented to further limit the impact of children activity noise:

- Restricting the noisier games/activities to the indoor playareas. The outdoor sessions are based on supervised learning activities and designed to be educational.
- Any pre-recorded music is played in the indoors playareas, it is recommended that all doors and windows closed.
- Staff are to be properly trained and instructed in controlling the level of noise emissions from the external play activity areas. For example, staff should:
 - Not shout and to speak to children and to each other at a normal conversation noise level.
 - Remind parents who are talking too loudly while outdoors and request that they be mindful of the neighbours.
 - Pacify crying and over excited children, if necessary taking them indoors where necessary to ensure that the neighbours are not unduly impacted.
- Appropriate signage shall be placed within the premises to remind staff and parents to respect the rights of neighbours to quiet enjoyment.
- The childcare centre operator is to maintain a complaints register to record any noise complaints received by neighbours. Such complaints will be thoroughly investigated and where such complaints are justified, appropriate measures will be put in place to ensure that the offence is not repeated.
- Neighbours should be able to refer complaints directly to management by calling the telephone number posted on the outside of the premises.

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**3.5 Assessment of Traffic Noise Generation**

This section details a review of the expected future traffic noise generated from the childcare centre. Based on the report prepared by TEF Consulting (Report No: 20092 Rep 01), dated 28th March 2018, the proposed childcare centre development will result in an increase in the traffic generation of approximately:

- Morning Peak (6:30am-9:30am) – 30 trips in, 21 trips out.
- Afternoon Peak (3:30pm-6:30pm) – 18 trips in, 26 trips out.

The traffic flow has been calculated over a 1-hour peak period during the morning and this would be considered as a worst case scenario.

By analysing both the predicted vehicle trips generated by the childcare centre, the impact of the vehicle noise (Table 12) in the carpark has been calculated by applying the ISO9613 method for using CadnaA (version 4.5.149) noise modelling software. The calculations include the attenuation effect from the 1.8m high solid fence on the eastern boundary near the driveway.

Table 12 – Typical Noise Level of Vehicles, L_{max} dBA

Type	Sound Pressure Level Range
General passenger vehicle	67-88 @ 0.5m, L _{max} dBA ¹

From our analysis, the predicted vehicle noise level would comply with the EPA noise limits at the rear yard of each of the adjoin residential properties. The predicted noise level are given in Table 13 on the following page are also graphically presented in Figure 4.

Table 13 – Predicted Traffic Noise Levels during Morning Peak Period

Receiver	Predicted Carpark Driveway Noise Level, L _{eq} (1hr) dBA	Project Specific Limit L _{eq}
No. 47 Mobbs Lane	36 - 39	46

¹ Based on ADR83/00 external noise test.

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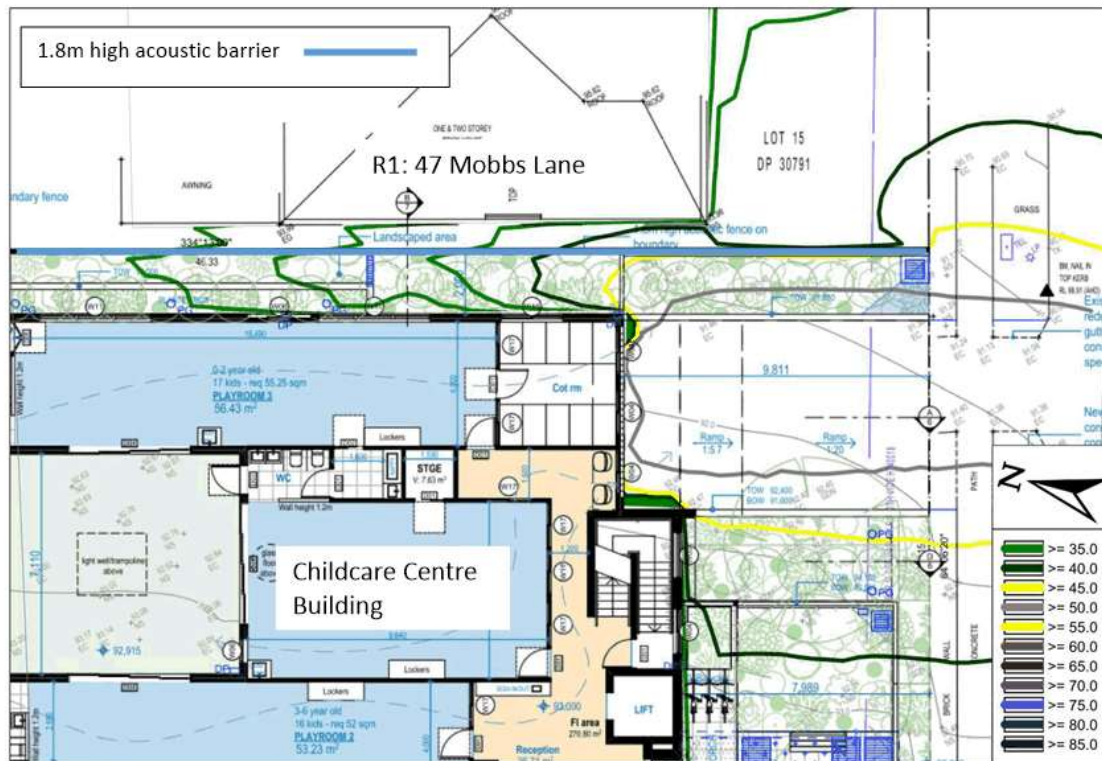


Figure 4 – Driveway Noise Levels – Noise Model (Ground Level)

The TEF traffic report does not indicate the current traffic flow rates on Mobbs Lane. However, Mobbs Lane is a major thoroughfare connecting Marsden Road and Misdon Road, and the current noise levels already exceed the NSW EPA Road Noise Policy (RNP) criteria for local roads. It is therefore unlikely that the additional vehicle trips generated by the centre would increase the existing traffic noise levels by more than 2dB.

3.6 Indoor Playarea Ventilation

All windows and doors for the indoor playareas can be opened at anytime for natural ventilation. However, it is our recommendation that the windows and doors should be closed when music is played (live or recorded).

When windows and doors are closed, an alternate outside air system can supplement the proposed A/C system to provide the required natural ventilation in accordance with Australian Standards. At the DA stage, the design and selection of mechanical equipment has not been finalised, however during the Construction Certification Stage a detail can complete by the mechanical consultant.

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3.7 Mechanical Systems

At the DA stage, the design and selection of mechanical equipment has not been selected or finalised. Typically, based on similar sized residential projects we would expect the following noise control measures to be implemented:

- Carpark exhaust/supply fans located in the basement:
 - Exhaust and supply fans operate with a VSD and CO sensor.
 - Provide acoustic attenuators to the supply and discharge of the fans.
 - The fans are not to operate during the night period of between 10pm and 7am.
- Apartment exhaust fans (toilet, laundry, kitchen):
 - Electrically inter-locked with the light switch or have manual switch for the room served.
 - Internally lined ducts and acoustic flex ducts to be fitted to the fans.
 - The fans are not to operate during the night period of between 10pm and 7am.
- Outdoor A/C condenser:
 - Outdoor condenser(s) are to be located in the basement.
 - Typical commercial condensers have a noise level of approximately SPL 60-65dBA at 1m. It is estimated that these A/C units would be inaudible at the boundary and at the nearest affected receivers during the day or evening.
 - The condenser are not to operate during the night period of between 10pm and 7am.

Following the DA approval of the proposed development, during the Construction Certification Stage a detail assessment of all mechanical plant and equipment will be conducted to ensure compliance with the EPA INP noise criteria.

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4 Conclusion

An acoustic assessment of the proposed development has been carried out in accordance with the requirements of Parramatta City DCP 2011 and EPA noise policies.

An environmental noise survey of the site has been conducted and the noise limiting criteria for mechanical plant/equipment noise emission has been determined based on the DCP requirements in accordance with the Council's DCP noise limits. The limits are presented in Table 4.

The proposed construction for glazing and external walls detailed in Section 3.1 and Section 3.2 would be sufficient to achieve the project's internal noise levels.

Section 3.3 details our assessment of the potential noise impact from children in the indoor activity rooms and outdoor playscapes. Using the children noise levels given by the AAAC, the predictions we predict the noise level would comply at the receivers except at 2 Freeman Place, where the noise level is predicted to marginally exceed by 3dB. However, when applying Council's DCP children noise levels, the predictions indicate the children noise levels would comply at all receivers. Where the children activity noise does exceed, the managerial control as outlined in Section 3.4 are to be implemented to minimise impact.

Based on the traffic report provided by Loka Consulting Engineers, the vehicle noise levels in the basement carpark driveway are expected to comply with the EPA noise limits with the installation of a 1.8m high boundary fence. Also, the traffic flow generated by the childcare centre is expected to comply with the EPA limits and in our opinion would not cause an adverse impact to the future surrounding residential properties.

Providing the recommendations in this report are implemented, the noise from the proposed development is predicted to comply with acoustic requirements of the Parramatta City DCP 2011 and EPA noise policies.

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45 MOBBS LANE, CARLINGFORD - CHILDCARE CENTRE DA ASSESSMENT

SYD2018-1022-R003D

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Appendix A – Acoustic Terminology

Decibel, dB: A dimensionless unit which denotes the ratio between two quantities that are proportional to power, energy or intensity. One of these quantities is a designated reference by which all other quantities of identical units are divided. The sound pressure level in decibels is equal to 10 times the logarithm (to the base 10) of the ratio between the pressure squared divided by the reference pressure squared. The reference pressure used in acoustics is 20 micro Pascals.

A-WEIGHTING: A measure of sound pressure level designed to reflect the response of the human ear, which does not respond equally to all frequencies. To describe sound in a manner representative of the human ear's response it is necessary to reduce the effects of the low and high frequencies with respect to medium frequencies. The resultant sound level is said to be A-weighted, and the units are in decibels (dBA). The A-weighted sound level is also called the noise level.

Sound Pressure Level, L_p (dB), of a sound: 20 times the logarithm to the base 10 of the ratio of the r.m.s. sound pressure to the reference sound pressure of 20 micro Pascals. Sound pressure level is measured using a microphone and a sound level meter, and varies with distance from the source and the environment.

Ambient Noise/Sound: All noise level present in a given environment, usually being a composite of sounds from many sources far and near. Traffic, HVAC, masking sound or even low-level background music can contribute to ambient level of noise or sound.

Percentile Level - L_{90} , L_{10} , etc: A statistical measurement giving the sound pressure level which is exceeded for the given percentile of an observation period, e.g. L_{90} is the level which is exceeded for 90% of a measurement period. L_{90} is commonly referred to as the "background" sound level.

Background Noise (L_{90}): The sum total of all unwanted residual noise generated from all direct and reflected sound sources in a space that can represent an interface to, or interfere with good listening and speech intelligibility.

Rating Background Level – RBL: Method for determining the existing background noise level which involves calculating the tenth percentile from the L_{A90} measurements. This value gives the Assessment Background Noise Level (ABL). Rating Background Level is the median of the overall ABL.

$L_{AEQ,T}$: Equivalent continuous A-weighted sound pressure level. The value of the A-weighted sound pressure level of a continuous steady sound that, within a measurement time interval T, has the same A-weighted sound energy as the actual time-varying sound.

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45 MOBBS LANE, CARLINGFORD - CHILDCARE CENTRE DA ASSESSMENT

SYD2018-1022-R003D

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Appendix B – Architectural Drawings

This assessment was based on the following architectural drawings provided by Designcorp Architects.

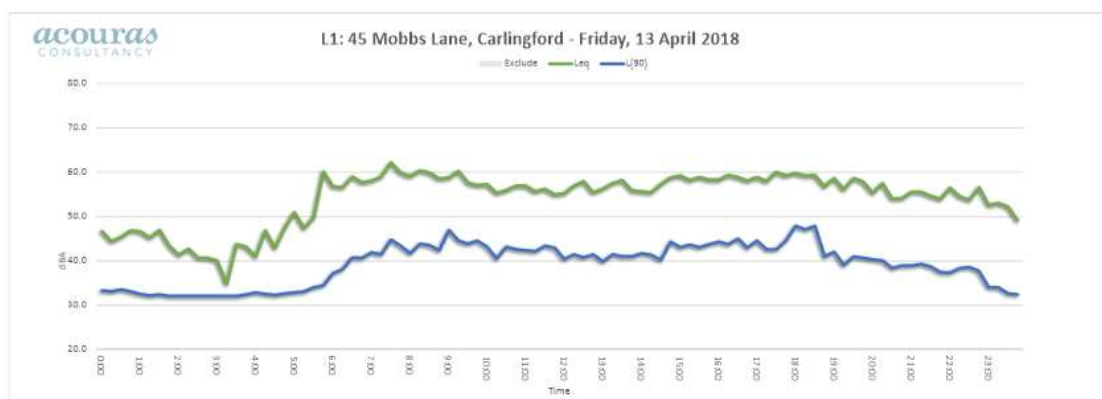
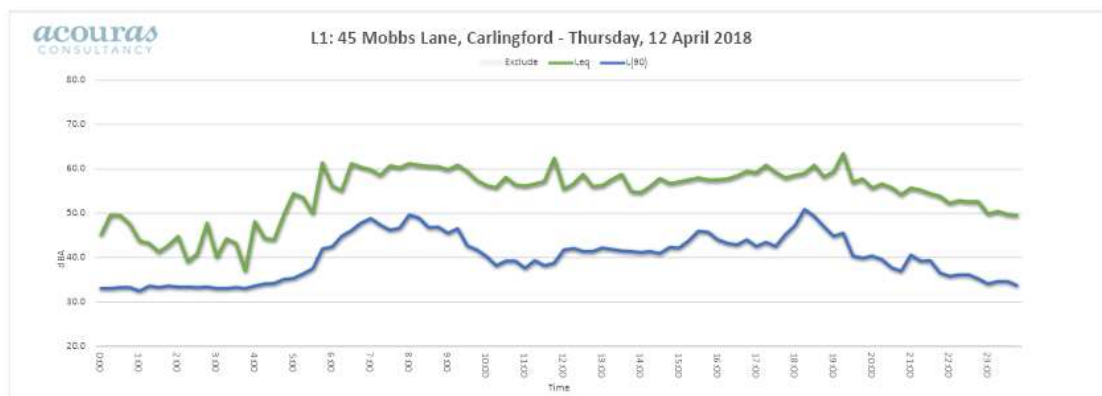
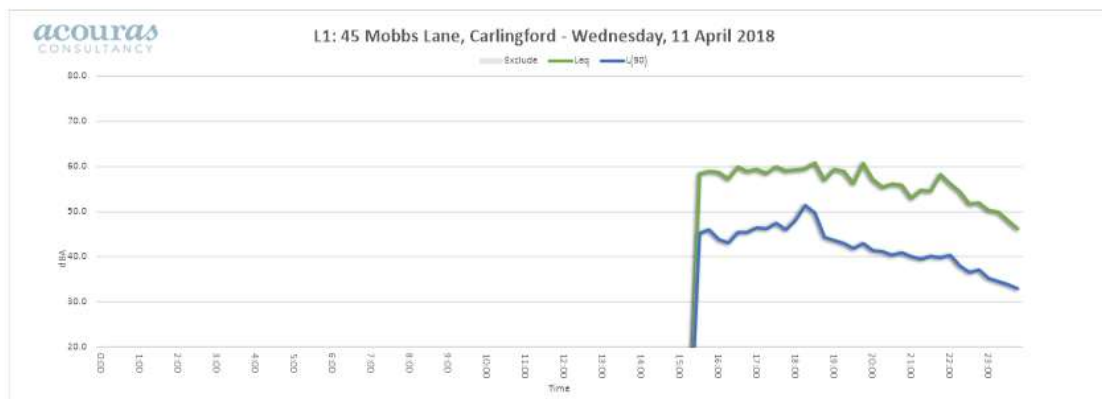
Drawing	Issue	Date	Description
H2	H	13-07-21	Site Analysis
H3	H	13-07-21	Site Plan
H4	H	13-07-21	Roof Site Analysis
H5	H	13-07-21	Basement
H6	H	13-07-21	Ground
H7	H	13-07-21	First
H8	H	13-07-21	Roof Plan
H10	H	13-07-21	Play Area Cal Layouts
H13	H	13-07-21	Elevations
H14	H	13-07-21	Elevations
H15	H	13-07-21	Sections

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45 MOBBS LANE, CARLINGFORD - CHILDCARE CENTRE DA ASSESSMENT

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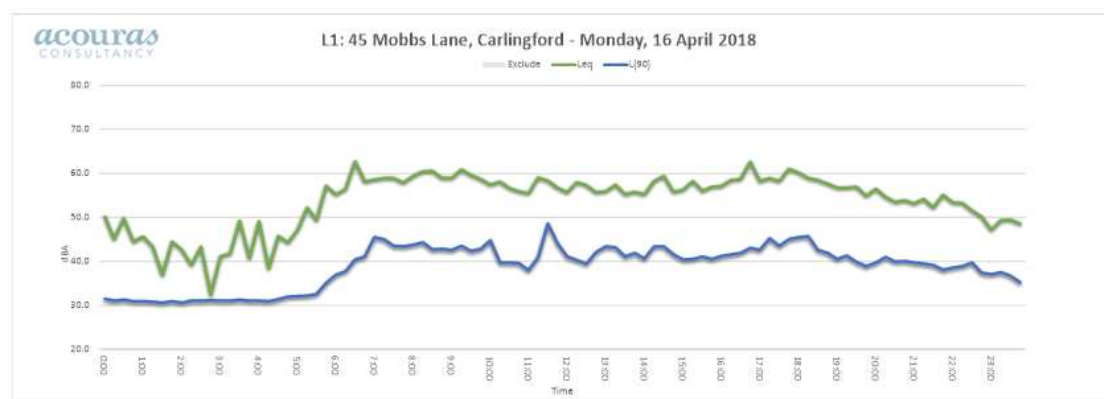
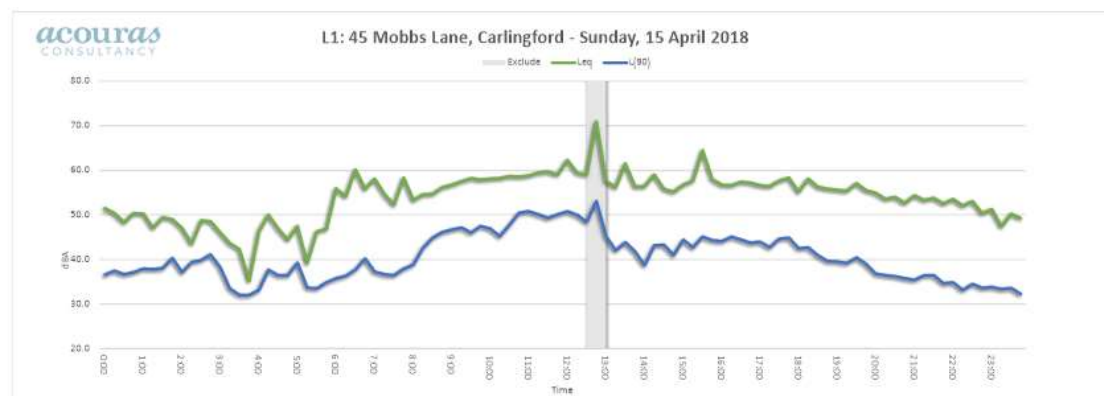
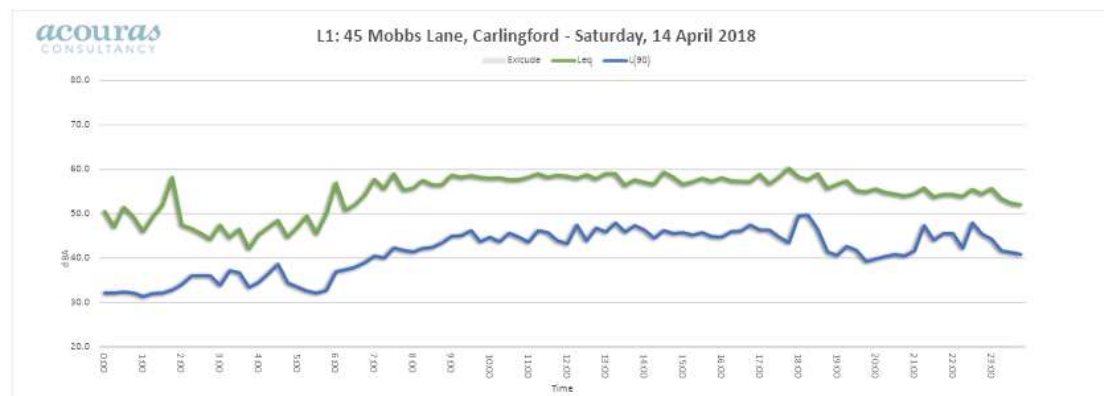
acouras
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45 MOBBS LANE, CARLINGFORD - CHILDCARE CENTRE DA ASSESSMENT

SYD2018-1022-R003D

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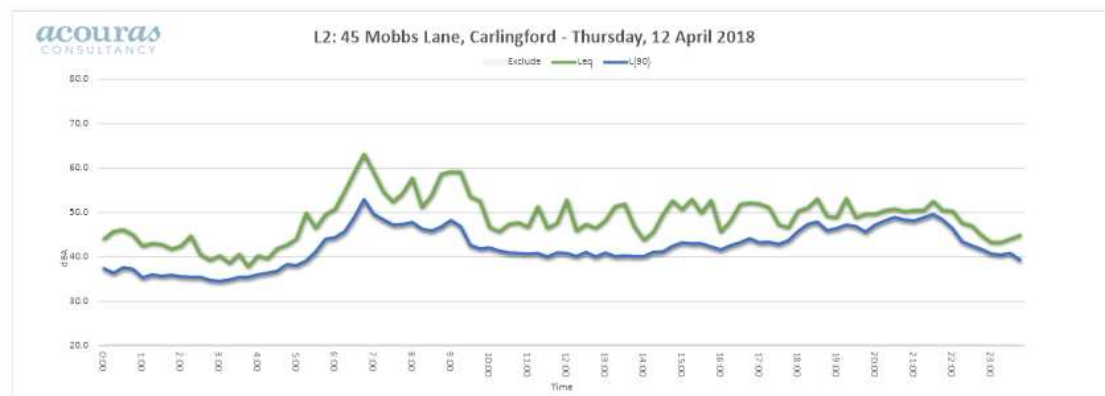
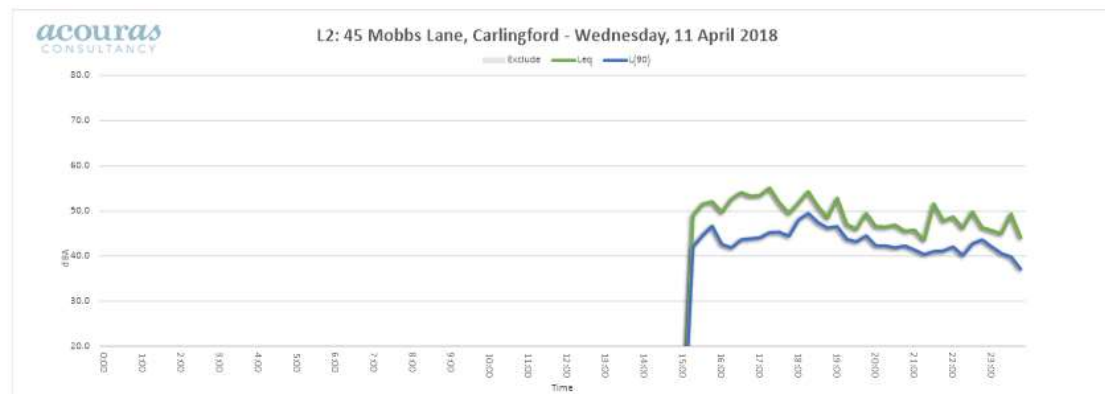
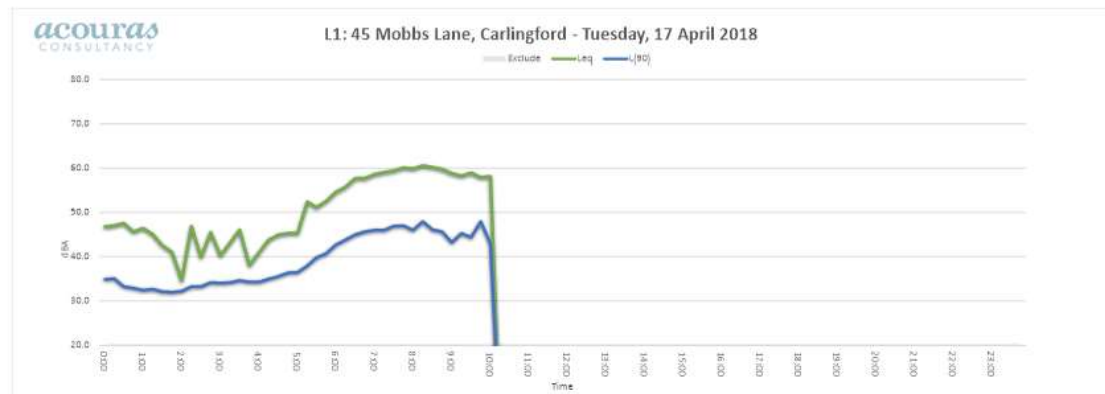


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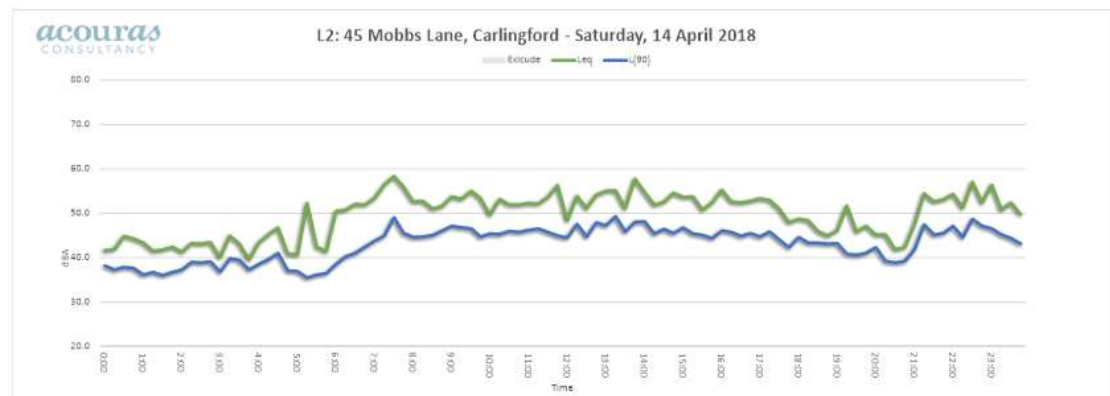
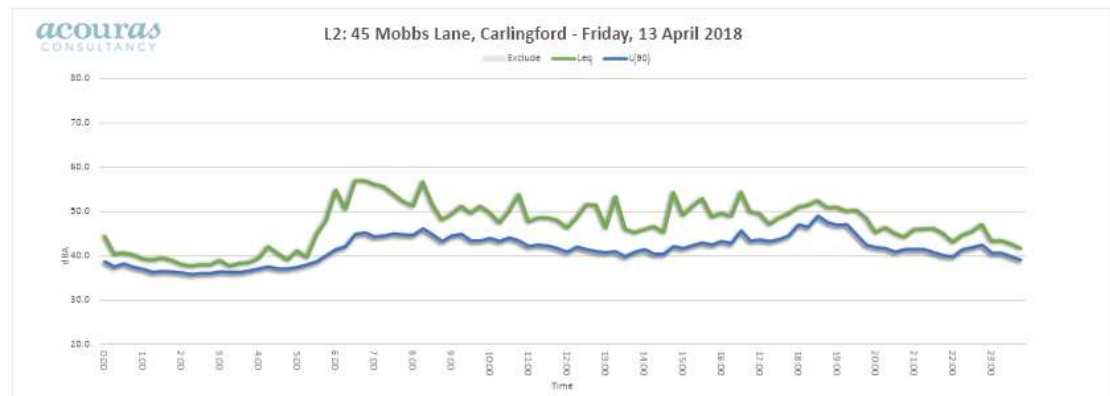
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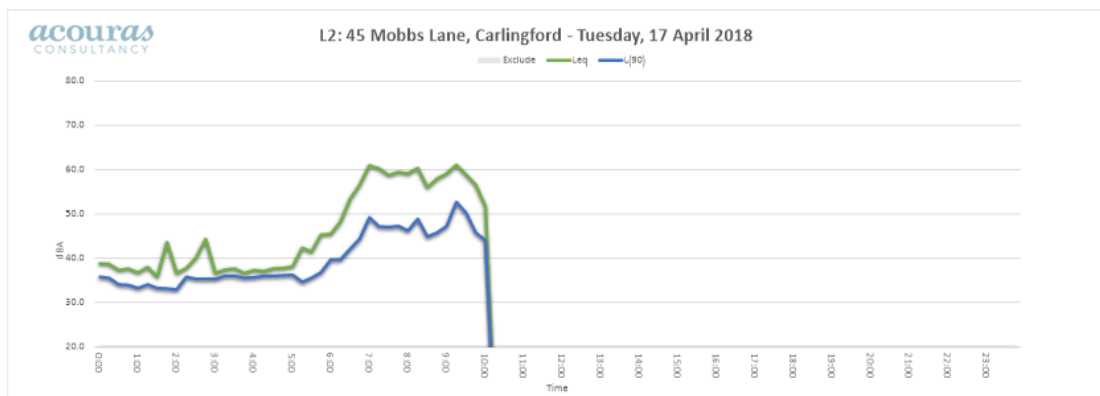
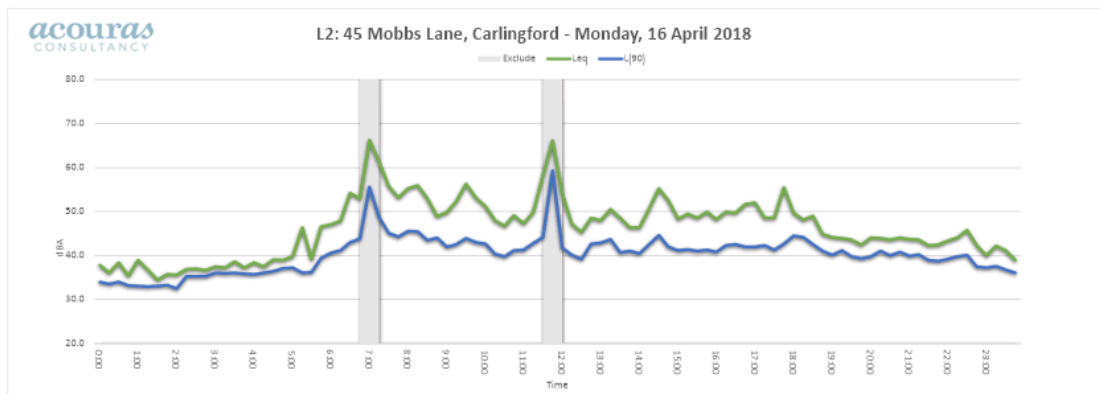



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SYD2018-1022-R003D

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**OPERATIONAL PLAN OF MANAGEMENT
45 MOBBS LANE, CARLINGFORD**



**Prepared by Planning Lab
23 July 2021**

Contents

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1. Hours of Operation

The childcare centre is to operate from 7am – 7pm, Monday to Friday.

2. Staffing Numbers

A managing director (or their delegate) will be present on site during operational hours and will be provided in addition to class room staff. The Education and Care Services National Regulation applies the following staff numbers to the childcare centre:

Room No.	No. Children	Ages	Required staffing	Provided staffing
1	15	2-3	3	3
2	16	3-6	1.6	2
3	17	0-2	3.4	4
4	10	3-6	1	2
Total	58		9	11

3. Indoor and outdoor play areas

The centre provides over 3.25m² of unencumbered indoor space per child and over 7m² of unencumbered outdoor space per child in accordance with the requirements of the national regulations. Doors are provided to allow a direct transition between indoor and outdoor spaces.

Staff should stagger the use of the outdoor areas to minimise the total number of children outside on either level at any one time in so far as it is possible to do so. The maximum capacities must not be exceeded. The centre has the following maximum capacities for indoor and outdoor areas:

Indoor Play Rooms:

- Play Room 1 (Ground): up to 15 children aged 2-3.
- Play Room 2 (Ground): up to 16 children aged 3-6.
- Play Room 3 (Ground): up to 17 children aged 0-2.
- Play Room 4 (Level 1): up to 10 children aged 3-6.

Ground Level Outdoor Play area:

- Maximum of 33 children comprised of:
 - Up to 16 children aged 3-6 or aged 2-3 at any one time, and
 - Up to 17 children aged 0-2 at any one time.

Level 1 Outdoor Play area:

The Level 1 outdoor play area is limited to use by a maximum of 10 children at any one time. This is in accordance with the Acoustic Report prepared by Acouras Consultancy (21/07/2021).

Access to Play Areas

Children will be allocated to outdoor play areas by the childhood educators operating the centre. Children must be allocated to play areas in accordance with the maximum occupancies described in this section. The operator must ensure that supervision complies with all relevant standards. The movement of children between areas must be at the direction of staff and under appropriate supervision. Children must not be permitted to wander between the Ground floor and Level 1 play areas.

4. Traffic & Car Parking

15 car parking spaces are provided in the building basement which is accessible from Mobbs Lane. The following types of parking are provided:

- 6 staff parking spaces
- A total of 9 visitor parking spaces
- One accessible visitor parking space

All visitor parking spaces can access a protected walkway around the perimeter of the parking lot. Staff should guide parents to use this protected walkway wherever practical to do so.

The following procedures should be observed to ensure the safety and wellbeing of children, their families, staff and visitors, when using the centre's car parking facilities including street parking. These procedures should be made known and available to all parents and staff.

Procedures for families when parking in the centre's basement:

- Ensure that the vehicle is parked strictly in allocated parking bays. This includes parking within parking bay lines; ensuring the vehicle does not cross over the parking bay lines or double parking.
- Obey any signage and markings within the car park.
- Ensure that adults and children are entering or exiting the vehicle only when the vehicle is at a complete stop and parked in an allocated parking bay.
- Ensure that when driving in the car park that a speed limit of 5kms per hour is observed.
- Vehicles must enter and exit the driveway in a forward direction.
- Be aware of pedestrians (especially children) when using the car park.
- Please do not block exit by waiting to turn right. If the road is too busy to turn right, then turn left.

- Ensure that no children are left in the vehicle when it is unattended. This is illegal and children can be exposed to heat stress, dehydration, playing with car controls, etc.
- At all times, ensure that children are supervised (preferably by holding the child's hand) when in the car park.
- The protected walkway should be used wherever practical to do so.
- Ensure that drop off and collection times are carried out efficiently to ensure parking spots are available to other families. Should a parent or visitor plan to remain at the centre for over 15 minutes during peak periods i.e. 7.00am-9.30am and 3.00-6.00pm, they may be required to park their vehicle outside the car park to ensure there are adequate parking spots for other users.
- Please be mindful of local residents when parking your vehicle and keep noise to a minimum.
- Any parent found to be driving dangerously can be excluded from using the car park and if deemed serious enough can be requested to leave the centre.

Procedures for families parking on street:

- Ensure that vehicle is strictly parked in allocated parking bay following the legal parking requirement/s outlined on street/parking signage.
- The Centre accepts no liability for families and/or visitors that receive parking and/or traffic infringements.
- Ensure that adults and children are entering or exiting the vehicle only when the vehicle is at a complete stop and parked in an allocated parking bay.
- Ensure that local speed limits are observed.
- Ensure that no children are left in the vehicle when it is unattended. This is illegal and children can be exposed to heat stress, dehydration, playing with car controls etc.
- At all times, ensure that children are supervised when travelling to or from the centre.
- At all times, ensure that children are supervised (preferably by holding the child's hand).
- Please be mindful of local residents when coming or going to the centre. Things to take into consideration are:
 - Not blocking driveways or parking too close to driveways.
 - Not always taking the same parking spots. Try and use a variety of spots.
 - Keep noise to a minimum.
 - Be as fast as possible in picking up and dropping off.
- Any parent found to be driving dangerously can be excluded from using the on-site car park and if deemed serious enough can be requested to leave the centre.

Procedures for Staff:

- Staff are to park their vehicles in the 6 designated staff parking spaces only.
- Please be mindful of local residents when parking your vehicle for the duration of your shift. Things to take into consideration are:
 - Not blocking driveways or parking too close to driveways.
 - Not always taking the same parking spots. Try and use a variety of spots.
 - Keep noise to a minimum.

5. Complaints

The childcare centre is to be contactable at all times during its operating hours via a telephone number displayed on the outside of the building. Any complaints must be taken seriously by staff and referred to the Managing Director. Complainants are to be treated with respect, understanding and courtesy.

A complaint register will be operated by the Managing Director or their delegate. Any complaints made to the centre are to record the name of the complainant, their contact information (for follow up and resolution), the nature of the complaint and any action taken to remedy the complaint. Wherever possible, action should be taken immediately to solve the issue. If immediate action is not possible, the centre should provide a follow up to the complainant and advise of what action has been taken.

It is the responsibility of the managing director or their delegates to provide a satisfactory resolution to complaints. If necessary, issues should be discussed at staff meetings or distributed to staff by memo or email.

6. Noise & Meetings/Events Outside Operational Times

The childcare centre is located in a residential neighbourhood and the centre must respect the right of its neighbours to the quiet enjoyment of their dwelling. The following measures must be observed at all times:

- Observe the maximum capacities of outdoor areas as described in section 3 of this Plan of Management.
- Restrict noisier games/activities to the indoor play areas. Outdoor sessions should emphasise supervised learning activities and designed to be educational.
- Any pre-recorded music is played in the indoor play areas with all doors and windows closed.
- Staff are to be properly trained and instructed in controlling the level of noise emissions from the external play activity areas. For example, staff should:

- Not shout and to speak to children and each other at a normal conversation noise level.
- Remind parents who are talking too loudly while outdoors and request that they be mindful of the neighbours.
- Pacify crying and over-excited children, if necessary, taking them indoors where necessary to ensure that the neighbours are not unduly impacted.
- Appropriate signage shall be placed within the premises to remind staff and parents to respect the rights of neighbours to quiet enjoyment.
- The childcare centre operator is to maintain a complaints register to record any noise complaints received by neighbours as described under section 5 of this Plan of Management.
- Neighbours should be able to refer complaints directly to management by calling the telephone number posted on the outside of the premises.

The centre should endeavour to have all events and meetings within the operating hours of 7am – 7pm, including meetings with parents and staff meetings. Where this is not possible, meetings are to be conducted quietly and are to take place indoors. The size of the meetings should be kept to a minimum to lessen vehicle movements.

7. Measures to Manage Child Safety

The following measures are to be observed concerning child safety.

Fire safety equipment and evacuation plans

The centre must carry certified fire equipment commensurate with the standards. All equipment is to be recertified as required by the law.

The centre has a documented Emergency Evacuation Plan (Appendix A). Evacuation diagrams are to be displayed throughout the centre.

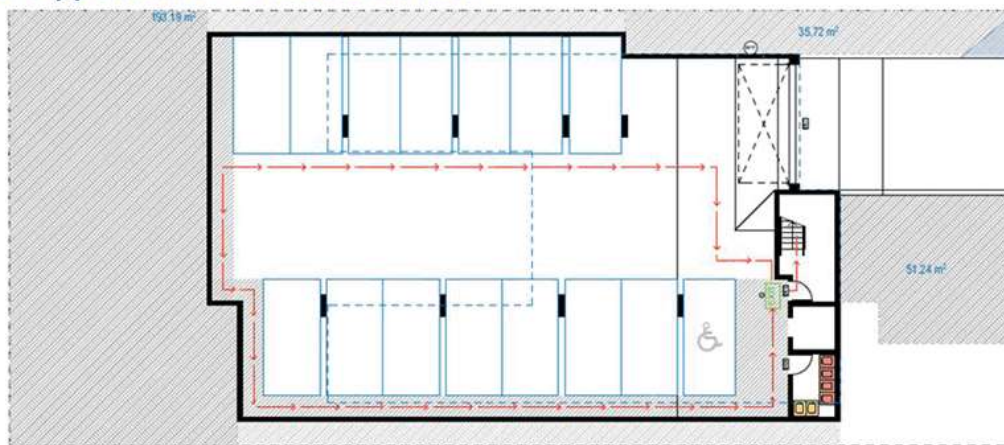
Prevention of a child escaping

The centre will have the following security measures in place:

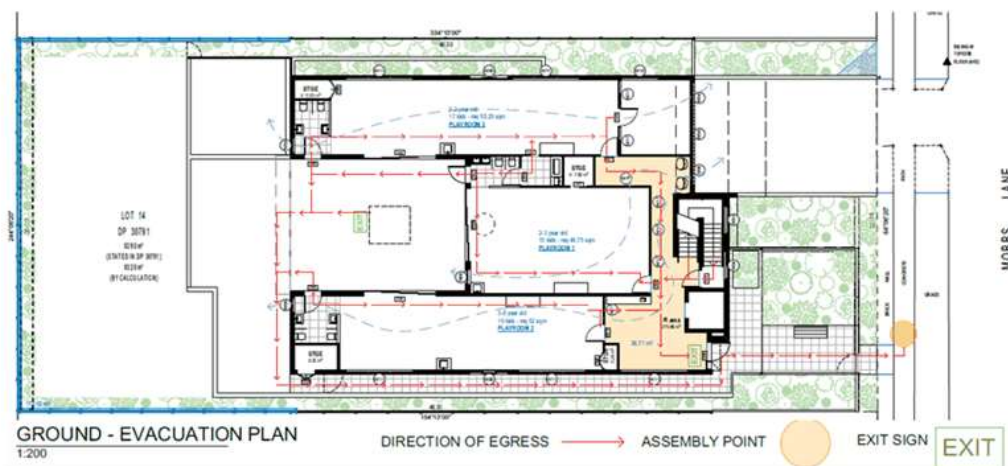
- Surrounding child-proof fences and gates
- Security cameras and CCTV – external and internal
- Swipe card access to all staff and parents to the centre.

Children are physically prevented from escaping the play rooms by at least 3 doors or gates. Staff must ensure that these doors remain closed when not being used for egress and ingress. Staff ratios must always comply with the national guidelines and the guidelines provided under section 2 of this Plan of Management.

8. Appendix A – Evacuation Plans



BASEMENT - EVACUATION PLAN
1:200



GROUND - EVACUATION PLAN
1:200



FIRST - EVACUATION PLAN
1:200

DIRECTION OF EGRESS → ASSEMBLY POINT EXIT SIGN EXIT



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**TRAFFIC AND PARKING IMPACTS REPORT
FOR A DEVELOPMENT APPLICATION
FOR A PROPOSED CHILD CARE CENTRE
AT No. 45 MOBBS LANE, CARLINGFORD NSW 2118**

Property address	45 Mobbs Lane, Carlingford NSW 2118
Client	Designcorp Architects
Prepared by	O. Sannikov, MEngSc (Traffic Engineering), MIEAust, PEng, FAITPM
Date	22/07/2021
Job No.	20092
Report No.	20092 Rep 01a

Item	Report
Site location	<ul style="list-style-type: none"> Refer to Figure 1.
Existing land use	<ul style="list-style-type: none"> One (1) single storey residential dwelling
Proposed development	<ul style="list-style-type: none"> Child care centre <ul style="list-style-type: none"> 58 children places 11 staff Basement level car park <ul style="list-style-type: none"> 15 car parking spaces <ul style="list-style-type: none"> Including six (6) space for staff and nine (9) space for visitors (one (1) of them being for people with disabilities) Ground floor level <ul style="list-style-type: none"> 3 bicycle parking spaces



Figure 1. Site location.



Item	Report
Street characteristics	Existing traffic and parking situation <ul style="list-style-type: none"> Refer to Figure 2. The key roads surrounding the proposed development are described below. <ul style="list-style-type: none"> Mobbs Lane <ul style="list-style-type: none"> Local collector road 2 travel lanes and parking opportunities on both sides Freeman Place <ul style="list-style-type: none"> Local road 2 travel lanes and parking opportunities on eastern side Valley Road <ul style="list-style-type: none"> Local road 2 travel lanes and parking opportunities on both sides Epping Park Drive <ul style="list-style-type: none"> Local road 2 travel lanes and parking opportunities on both sides Other streets in the surrounding area are local/local collector roads. Street conditions are typical for a residential area, with low to moderate traffic volumes. <ul style="list-style-type: none"> General speed limit is 50 km/h on local streets around the site.
	Public Transport
Bus	<ul style="list-style-type: none"> There are three (3) bus stops within close walking distance. Two (2) bus stops are approximately 90 m from the site. The third bus stop is approximately 180 m from the site. Refer to Figure 3. <ul style="list-style-type: none"> Bus route 521 <ul style="list-style-type: none"> PrePay-Only – Eastwood to Parramatta <ul style="list-style-type: none"> 3 services operate during the morning peak hours. 6 services operate during the afternoon peak hours. PrePay-Only – Parramatta to Eastwood <ul style="list-style-type: none"> 8 services operate during the morning peak hours. 3 services operate during the afternoon peak hours. The morning peak hours were between 6:30 a.m. and 9:30 a.m. and the afternoon peak hours were between 3:30 p.m. and 6:30 p.m.

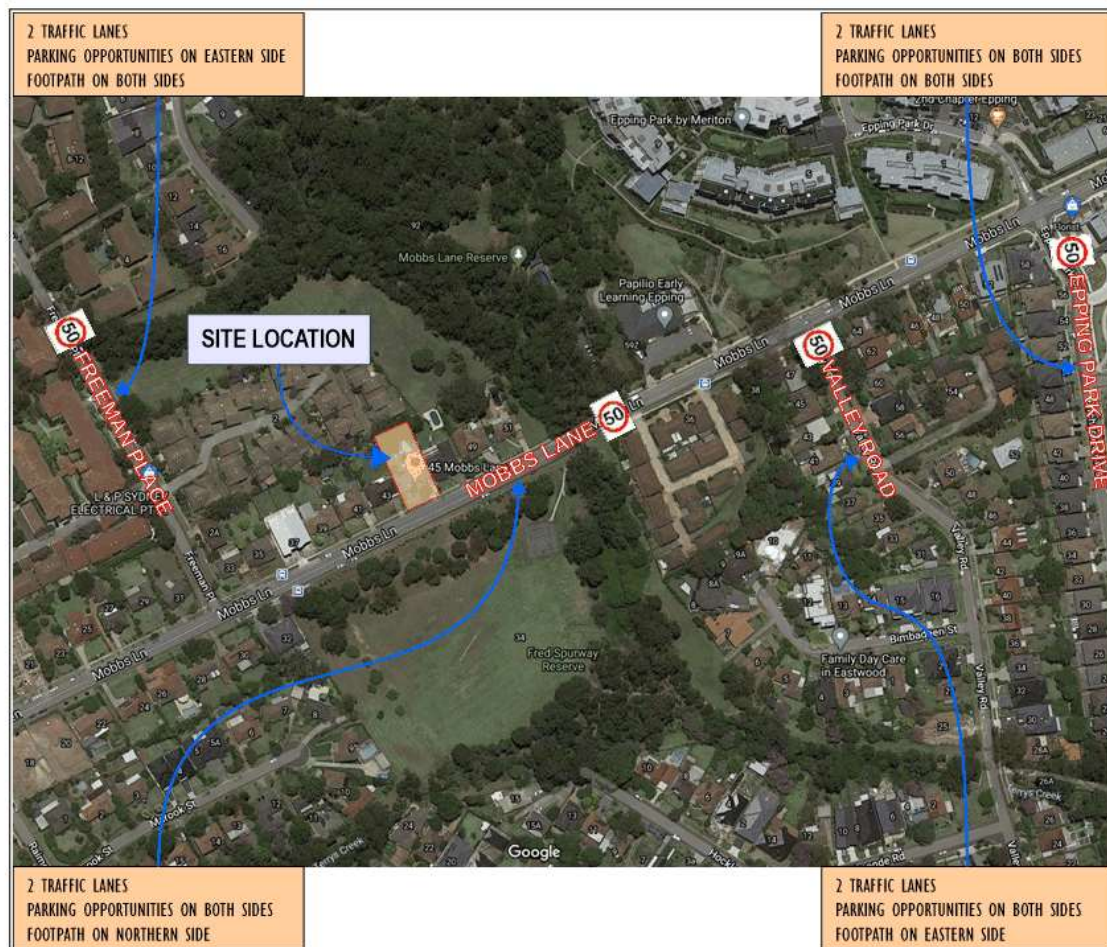


Figure 2. Street characteristics.



Figure 3. Public transport.



Item	Report
	Surveys and survey results
Parking survey	<ul style="list-style-type: none"> A parking demand survey was conducted on Thursday 27 September 2018 (morning and afternoon) during the typical periods of children drop-off and pick-up. <ul style="list-style-type: none"> The morning survey was between 6:30 a.m. and 10:00 a.m. The afternoon survey was between 3:00 p.m. and 6:30 p.m. Refer to Figure 4 for survey locations <ul style="list-style-type: none"> Areas in red represent convenient walking distances of up to 150 metres from the site. Areas in blue represent close walking distances of approximately 150 to 250 metres from the site.
Survey results	<ul style="list-style-type: none"> Refer to Tables 1a and 1b for survey results. Areas 1-2 (within 150 metres walking distance). <ul style="list-style-type: none"> The morning peak occurred at 7:00 a.m. The afternoon peak occurred at 3:00 p.m. The survey results indicated that there were at least 35 spaces vacant throughout the day (to a maximum of 43) in the survey area. Areas 3-6 (between 150 to 250 metres walking distance). <ul style="list-style-type: none"> The morning peak occurred at 6:30 a.m. The afternoon peak occurred at 4:30 p.m and 6:30 p.m. The survey results indicated that there were at least 36 spaces vacant throughout the day (to a maximum of 44) in the survey area. There are ample parking opportunities within walking distance from the site.



Figure 4. Parking demand survey locations.



Table 1. Parking demand survey results.

27/09/18	Number of parked cars								
Thursday	Parking Location						Total		
Time	1	2	3	4	5	6	1 to 2	3 to 6	All
6:30	3	2	12	0	5	1	5	18	23
7:00	6	2	10	0	5	1	8	16	24
7:30	5	2	8	2	4	1	7	15	22
8:00	5	1	6	2	4	2	6	14	20
8:30	3	1	4	3	3	1	4	11	15
9:00	4	2	4	3	4	2	6	13	19
9:30	3	1	4	3	3	1	4	11	15
10:00	3	0	4	3	2	1	3	10	13
15:00	3	1	3	5	2	1	4	11	15
15:30	3	0	4	5	3	1	3	13	16
16:00	0	1	4	5	2	2	1	13	14
16:30	0	1	6	3	3	3	1	15	16
17:00	1	0	6	3	2	2	1	13	14
17:30	1	0	7	2	2	2	1	13	14
18:00	0	0	7	1	2	3	0	13	13
18:30	0	0	9	1	2	3	0	15	15
No of spaces	19	24	13	16	11	14	43	54	97

27/09/18	Number of vacant parking spaces								
Thursday	Parking Location						Total		
Time	1	2	3	4	5	6	1 to 2	3 to 6	All
6:30	16	22	1	16	6	13	38	36	74
7:00	13	22	3	16	6	13	35	38	73
7:30	14	22	5	14	7	13	36	39	75
8:00	14	23	7	14	7	12	37	40	77
8:30	16	23	9	13	8	13	39	43	82
9:00	15	22	9	13	7	12	37	41	78
9:30	16	23	9	13	8	13	39	43	82
10:00	16	24	9	13	9	13	40	44	84
15:00	16	23	10	11	9	13	39	43	82
15:30	16	24	9	11	8	13	40	41	81
16:00	19	23	9	11	9	12	42	41	83
16:30	19	23	7	13	8	11	42	39	81
17:00	18	24	7	13	9	12	42	41	83
17:30	18	24	6	14	9	12	42	41	83
18:00	19	24	6	15	9	11	43	41	84
18:30	19	24	4	15	9	11	43	39	82

Note: negative numbers indicate vehicles parked illegally



Item	Report
Planning control document	<ul style="list-style-type: none"> City of Parramatta Council <ul style="list-style-type: none"> Parramatta Development Control Plan (DCP) 2011 <ul style="list-style-type: none"> Part 3 – Development Principles Part 5 – Other Provisions Appendix A8 – Waste Management
	Requirement
	Compliance
	Part 3 – Development Principles
	Section 3.6. Movement and Circulation
	3.6.1. Sustainable Transport
	C.1 to C3. Not applicable
	C.4. 1 carshare space can be provided in lieu of 3 car parking spaces. Noted; not proposed
	C.5 to C6. Not applicable
	Travel Plan Not applicable
	3.6.2. Parking and Vehicular Access
	P.1. Vehicle access points and parking areas are to be: Complies <ul style="list-style-type: none"> easily accessible and recognisable to motorists undisruptive to pedestrian flow and safety located to minimise traffic hazards and the potential for vehicles to queue on public roads located to minimise the loss of on street car parking, and to minimise the number of access points.
	P.2 Car parking and service/delivery areas are to *be located so that they do not visually dominate either the development or the public domain surrounding the development. Complies
	P.3 Parking and service/delivery areas and vehicular access points are to be located to minimise conflict between pedestrians and vehicles and to minimise impact on residential amenity. Complies
	P.4 Development on arterial roads is to seek access via a secondary street where possible. Not applicable
	P.5 Where properties have access to a rear lane or secondary street frontage (including desired lanes) parking and servicing access should be provided from the secondary street/lane. Not applicable
	P.6 On site parking is to be provided at a rate sufficient for residents, employees, visitors and service vehicles as relevant to the development. Refer to 'Car Parking Rates' of this section. Complies
	P.7 Car parking spaces are to be designed to ensure ease of access, egress and manoeuvring on-site. The standards of AS 2890 are to be complied with. Complies with AS/NZS 2890.1:2004 and AS/NZS 2890.6:2009
	P.8 Driveways are to be designed to avoid a long and straight appearance by using landscaping and variations in alignment. To be addressed by others



Item	Report
	Requirement Compliance
	<p>P.9 Car parking areas and vehicle accessways are to be landscaped to integrate sympathetically with the development and the landscape character of the locality. Large car parking areas are to be broken up using landscaping.</p> <p>The design and layout of carparking areas must provide for suitable and safe pedestrian movements, including separate pedestrian access to buildings which are clearly defined and easily negotiated</p> <p>P.10 The area between property boundaries and driveways, access ways and parking spaces is to be of sufficient width to enable landscaping and screen planting.</p> <p>P.11 Car parking at ground level is not to encroach within building setbacks.</p> <p>P.12 Reasonable provision is to be made for the parking needs of people with disabilities.</p> <p>P.13 Basement car parking is to be:</p> <ul style="list-style-type: none"> adequately ventilated designed for safe and convenient pedestrian movement and to include separate pedestrian access points to the building that are clearly defined and easily negotiated predominantly located within the building footprint located predominantly below existing ground level. Where slope conditions mean that this is unachievable, the basement projection of the floor level of the storey immediately above is less than 1m above ground level (existing). <p>P.14 Basement car parks and manoeuvring must comply with AS 2890.</p> <p>P.15 Vehicular ramps for all development types are to be designed with sufficient width for safe and efficient ingress and egress.</p> <p>P.16 Car parking areas within multi dwelling developments and residential flat buildings must be designed to minimise headlight glare onto the windows of dwellings within the site or neighbouring properties.</p> <p>P.17 Visitor parking is to be marked or signposted to enable easy recognition.</p> <p>P.18 The design and layout of carparking areas must provide for suitable and safe pedestrian movements, including separate pedestrian access to buildings which are clearly defined and easily negotiated</p> <p>P.19 Car parking is not to be used as storage space.</p>
	To be addressed by others
	Complies
	To be addressed by others
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	Refer to 'Section 5.2.3.4' in this report. Complies
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	<div> <div>A reduction in the minimum parking requirement may be considered where:</div> <div>Not applicable</div> </div>
	<div> <div> <ul style="list-style-type: none"> there is sufficient safe on street parking available at appropriate times located outside the development within the frontage of the subject site; and the development is not likely to result in any adverse impact on the safe operation of the surrounding road network. </div> <div></div> </div>
	<div> <div>Notwithstanding the above, the availability of on street parking within cul-de-sacs will not be considered in any justification for the reduction in the minimum parking requirement.</div> <div>Noted</div> </div>
	<div> <div>Any variation to the minimum parking requirement, is to be justified by a traffic and transport assessment. Refer to 'Supporting Technical Assessments' 5.2.4 of this section for the matters to be addressed in a traffic and transport assessment.</div> <div>Not applicable</div> </div>
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	<div> <div>Vehicle circulation and car parking areas shall be designed to allow the safe drop-off and collection of children and the safe movement and parking of staff, parent, visitor and service vehicles.</div> <div>Complies</div> </div>
	<div>In this regard:</div>
	<div> <div> <ul style="list-style-type: none"> the design shall take into account nearby traffic generators, street design, and the existing environment for pedestrians and cyclists; </div> <div>Complies</div> </div>
	<div> <div> <ul style="list-style-type: none"> access driveways shall not be located opposite, or in the vicinity of, road intersections; </div> <div>Complies</div> </div>
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	<div> <div> <ul style="list-style-type: none"> car parking areas and access ways shall not visually dominate the external appearance of the development and shall be softened by the provision of appropriate plantings in the front setback area; </div> <div>To be addressed by others</div> </div>



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<p>Access arrangements must ensure that safe and convenient access to the entry of the child care centre is available to all persons. Additionally, outdoor play spaces in the centre must be accessible for children.</p> <p>In this regard:</p> <ul style="list-style-type: none">pedestrian access that is separated from vehicular access is to be provided from the street to the building and from all car spaces to the building (it is essential that children using the centre do not need to walk past the back turning circle of a car);the development must comply with the provisions of AS 1428.1 Design for Access and Mobility and comply with Part D of the Building Code of Australia;all pedestrian pathways in the development should have a minimum width of 1.2 metres to allow easy circulation throughout the site;the maximum grade of the front setback and any area of the site to be counted as unencumbered play space should be no greater than 1 in 12;hard paved surfaces are to be provided leading into the entry of a play environment and continuing inside that will allow children and adults with mobility aids as well as toddlers in strollers to enter with ease.					



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	<table> <tr> <th data-bbox="451 320 898 353">Requirement</th><th data-bbox="906 320 1340 353">Compliance</th></tr> <tr> <td data-bbox="451 353 898 548"> <ul style="list-style-type: none"> if basement car parking is to be incorporated into the proposal, a lift or ramp must be provided between the basement level and upper levels; and the use of inclinators as the sole access for persons with a disability will not be supported. </td><td data-bbox="906 353 1340 548"> <p>Complies</p> <p>Noted</p> </td></tr> </table>	Requirement	Compliance	<ul style="list-style-type: none"> if basement car parking is to be incorporated into the proposal, a lift or ramp must be provided between the basement level and upper levels; and the use of inclinators as the sole access for persons with a disability will not be supported. 	<p>Complies</p> <p>Noted</p>
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Appendix 8. Waste Management

Appendix A8.1. Waste Management Guidelines for New Development Applications 2016

9.0 Child Care Centres

9.1. Waste Management Plan

9.1.2 Details on the frequency and times of collection of waste, and the proposed measures to minimise impacts on neighbouring properties;

Details regarding the waste collection have been provided in the Dickens Solutions' Waste Management Plan.

9.1.3 In the absence of Council being the nominated waste service provider, the applicant must submit written evidence demonstrating that they have contacted at least three (3) waste contractors regarding waste collection, and the details of the preferred private waste contractor to provide the service.

A licensed private waste collection contractor will provide all waste and recycling services to the child care centre.

Refer to the Dickens Solutions' Waste Management Plan for further details.

9.2. Site Plans/Drawings

9.2.1 Location of garbage and recycling bins in relation to the outdoor play spaces and neighbouring properties.

Complies

9.3. Controls

9.3.1. Waste can be collected by either Council or a private waste contractor and collections must occur at least once per week or more, depending on the bin size combinations agreed upon.

Kerbside waste collection by a private waste collection contractor is proposed.

Refer to the Dickens Solutions' Waste Management Plan for further details.



Item	Report
	Traffic impacts
Traffic generation	<ul style="list-style-type: none"> • Base traffic generation rates <ul style="list-style-type: none"> ◦ From RMS (2002) Guide to Traffic Generating Developments <ul style="list-style-type: none"> ▪ Updated statistics from TDT 2013 / 04a
	<ul style="list-style-type: none"> • Existing traffic generation <ul style="list-style-type: none"> ◦ One dwelling house (Peak hour vehicle trips = 0.99 per dwelling) <ul style="list-style-type: none"> • $0.99 \times 1 = 0.99$, say 1 trip during the peak hour
	<ul style="list-style-type: none"> • Traffic generated by the proposed development <ul style="list-style-type: none"> ◦ Child care centres (long-day care) <ul style="list-style-type: none"> ▪ Morning peak hour <ul style="list-style-type: none"> • 0.8 vehicle trips / child <ul style="list-style-type: none"> ◦ $0.8 \times 58 = 46.4$, say 47 trips (in and out) <ul style="list-style-type: none"> ▪ Assume 80% of staff driving (with 80% of staff arriving in the morning peak hour) <ul style="list-style-type: none"> • $11 \times 0.8 \times 0.8 = 7.04$, say 7 trips in ▪ Equal parent trips in and out <ul style="list-style-type: none"> • $(46.4 - 7.04) / 2 = 19.68$, say 20 trips in and 20 trips out ◦ 27 trips in and 20 trips out ▪ Afternoon peak hour <ul style="list-style-type: none"> • 0.7 vehicle trips per child <ul style="list-style-type: none"> ◦ $0.7 \times 58 = 40.6$, say 41 trips (in and out) <ul style="list-style-type: none"> ▪ 80% of staff driving (with 70% of staff leaving in the afternoon peak hour) <ul style="list-style-type: none"> • $11 \times 0.8 \times 0.7 = 6.16$, say 6 trips out ▪ Equal parent trips in and out <ul style="list-style-type: none"> • $(40.6 - 6.16) / 2 = 17.22$, say 17 trips in and 17 trips out ◦ 17 trips in and 23 trips out
	<ul style="list-style-type: none"> • Additional traffic generated by proposed development <ul style="list-style-type: none"> ◦ Morning peak hour <ul style="list-style-type: none"> ▪ $27 - 1 =$ 26 additional trips in ▪ $20 - 0 =$ 20 additional trips out ◦ Afternoon peak hour <ul style="list-style-type: none"> ▪ $17 - 0 =$ 17 additional trips in ▪ $23 - 1 =$ 22 additional trips out
Traffic distribution	<ul style="list-style-type: none"> • Trip generation and attraction is assumed to be equal in all directions, with trip distribution taking into account the surrounding street network, connections and turn restrictions. <ul style="list-style-type: none"> ◦ Refer to Figures 5a and 5b.
Traffic impacts	<ul style="list-style-type: none"> • Impact on intersection operation <ul style="list-style-type: none"> ◦ When distributed on the road network, turning movements at the nearest intersections will be low at 5 to 8 veh/h and will have no negative impact on the operation of the intersections.
Safety	<ul style="list-style-type: none"> • Accident statistics from RMS NSW indicate no crashes in 5 years. Safety risks are very low and do not preclude a child care centre at the proposed location. <ul style="list-style-type: none"> ▪ Refer to Figure 6.
Conclusion	<ul style="list-style-type: none"> • Additional traffic generation will have no negative impacts on the existing road network operation nor on road safety.

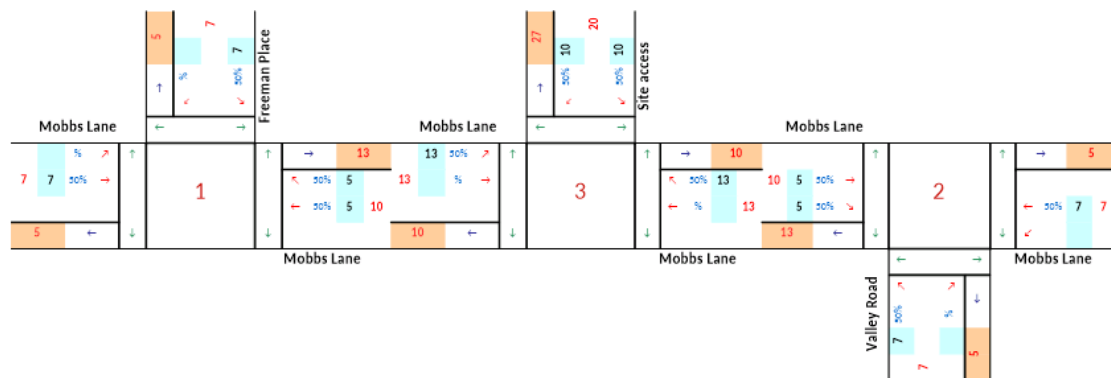


Figure 5a. Distribution of additional traffic volumes - morning peak hour.

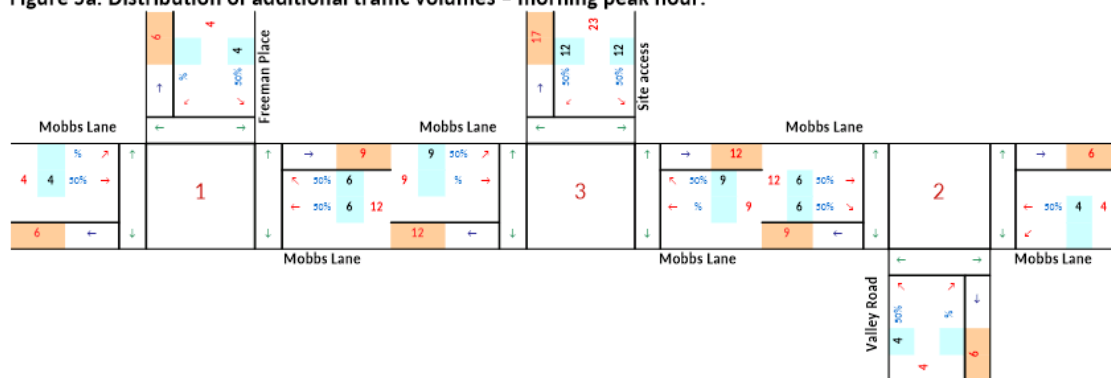


Figure 5b. Distribution of additional traffic volumes - afternoon peak hour.

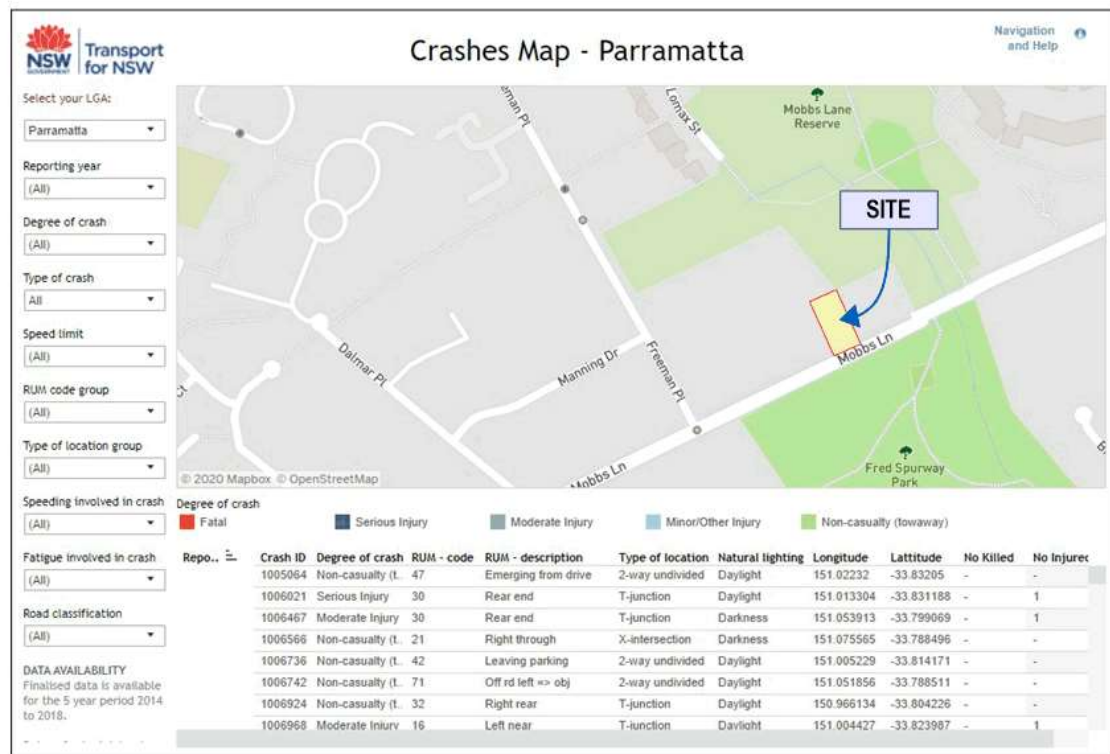
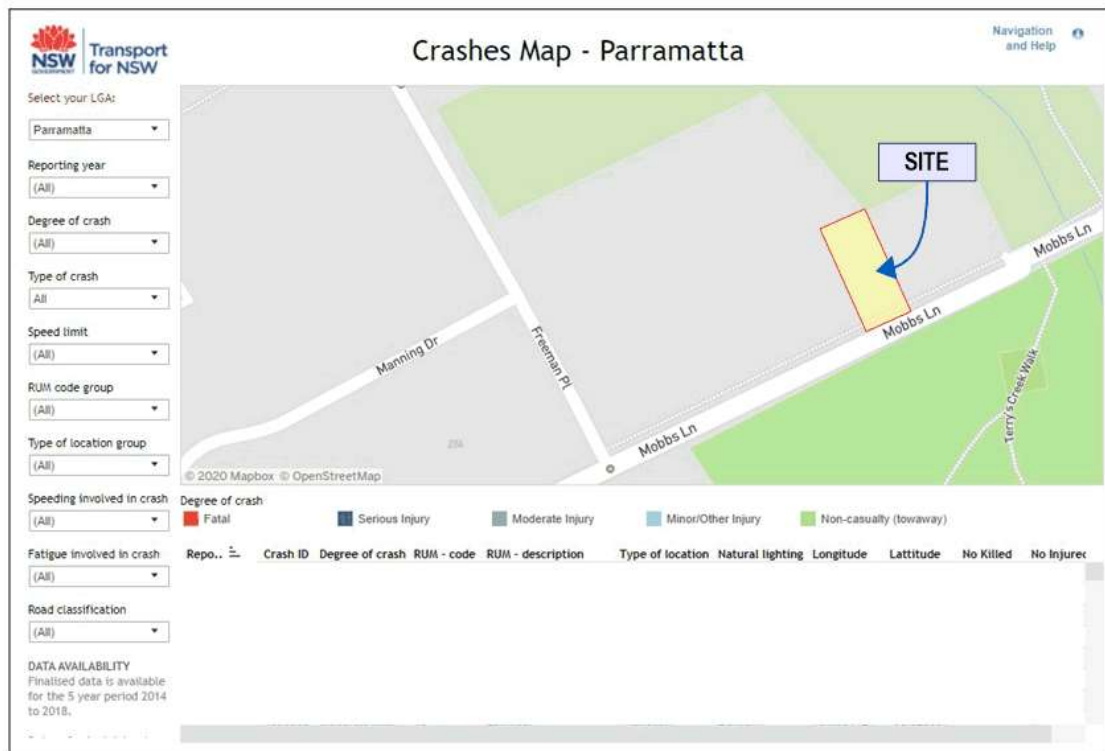


Figure 6. Crashes map – near the site and in the area.



Conclusions	<ul style="list-style-type: none">• Proposed parking provision<ul style="list-style-type: none">◦ Complies with the Council's Development Control Plan requirements.◦ In addition, there are ample parking opportunities exist in the surrounding streets.• Traffic impacts<ul style="list-style-type: none">◦ The additional traffic from the proposed development will have no negative impacts on the street network operation• Design of access, car parking and servicing facilities<ul style="list-style-type: none">◦ Complies with the relevant Standards• The proposed development is supportable on traffic and parking grounds.
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A handwritten signature in black ink, appearing to read 'O. Sannikov', is written over a circular stamp or seal.

Oleg I. Sannikov
Director
MEngSc (Traffic Engineering)
MIEAust, PEng
FAITPM



References:

Parramatta Development Control Plan (DCP) 2011

RMS (2002) Guide to Traffic Generating Developments

AS/NZS 2890.1:2004: Parking Facilities – Off-street car parking

AS 2890.3:2015: Parking Facilities – Bicycle parking

AS/NZS 2890.6:2009: Parking Facilities – Off-street parking for people with disabilities



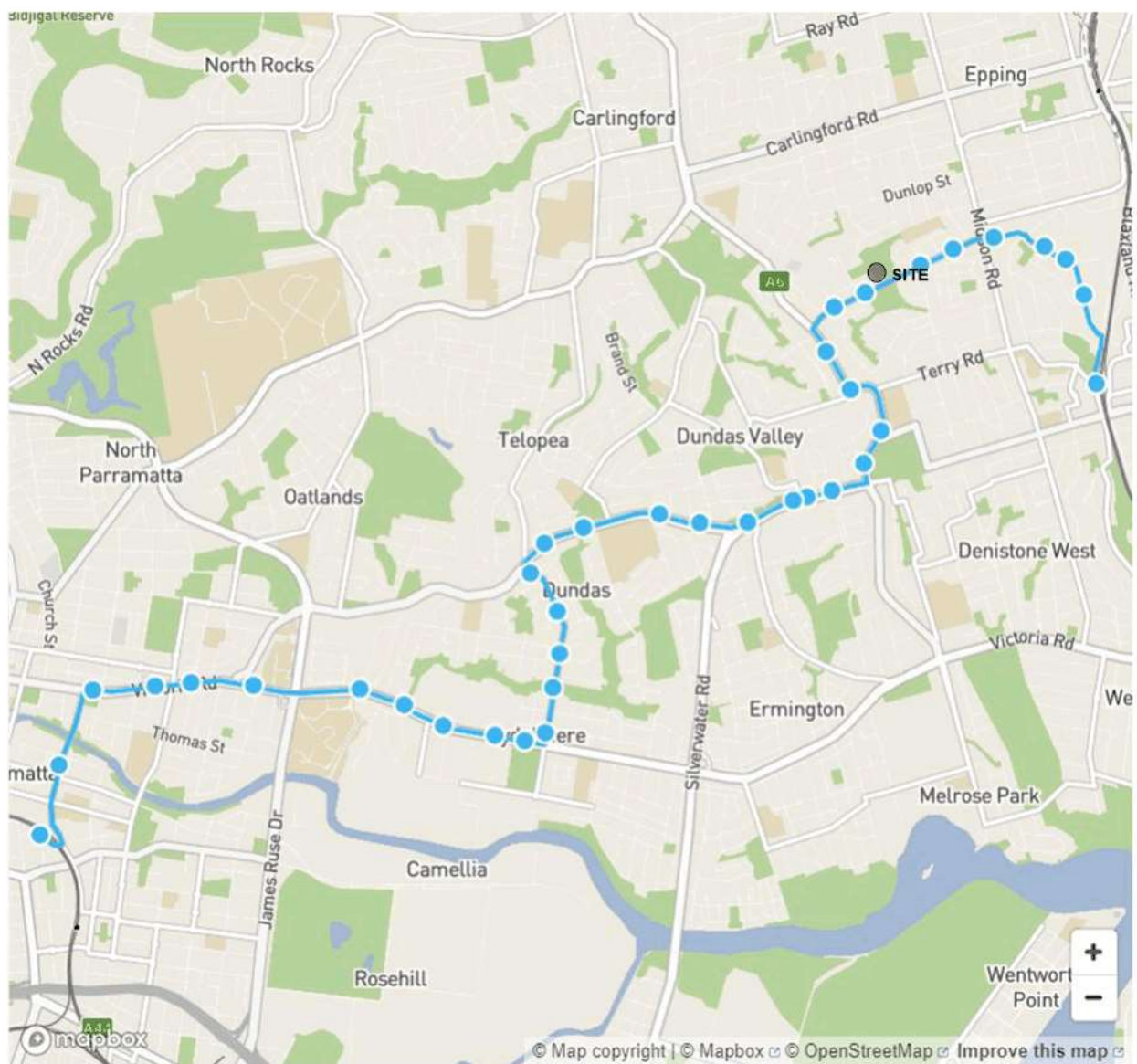
Appendix

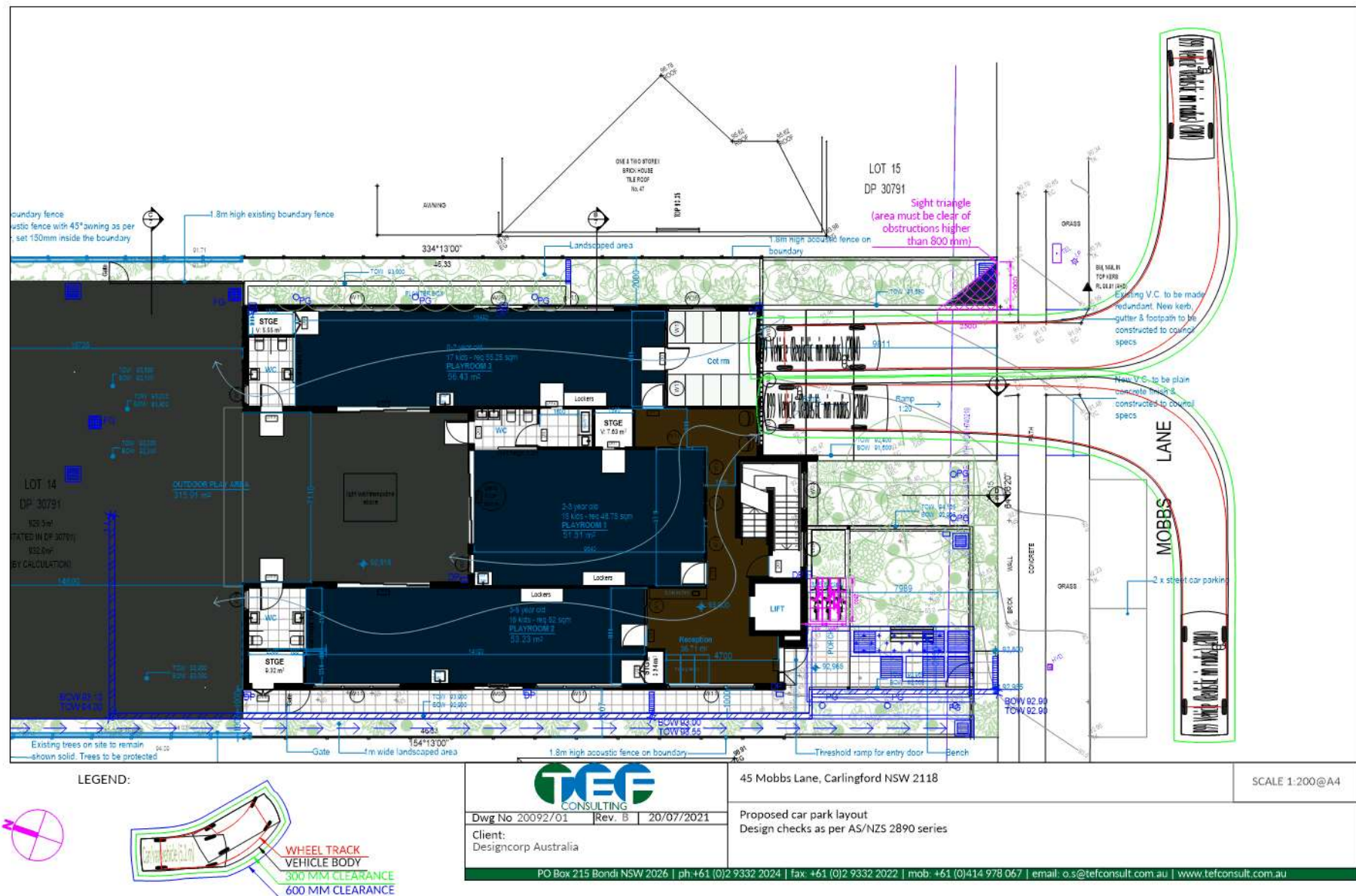
Bus route

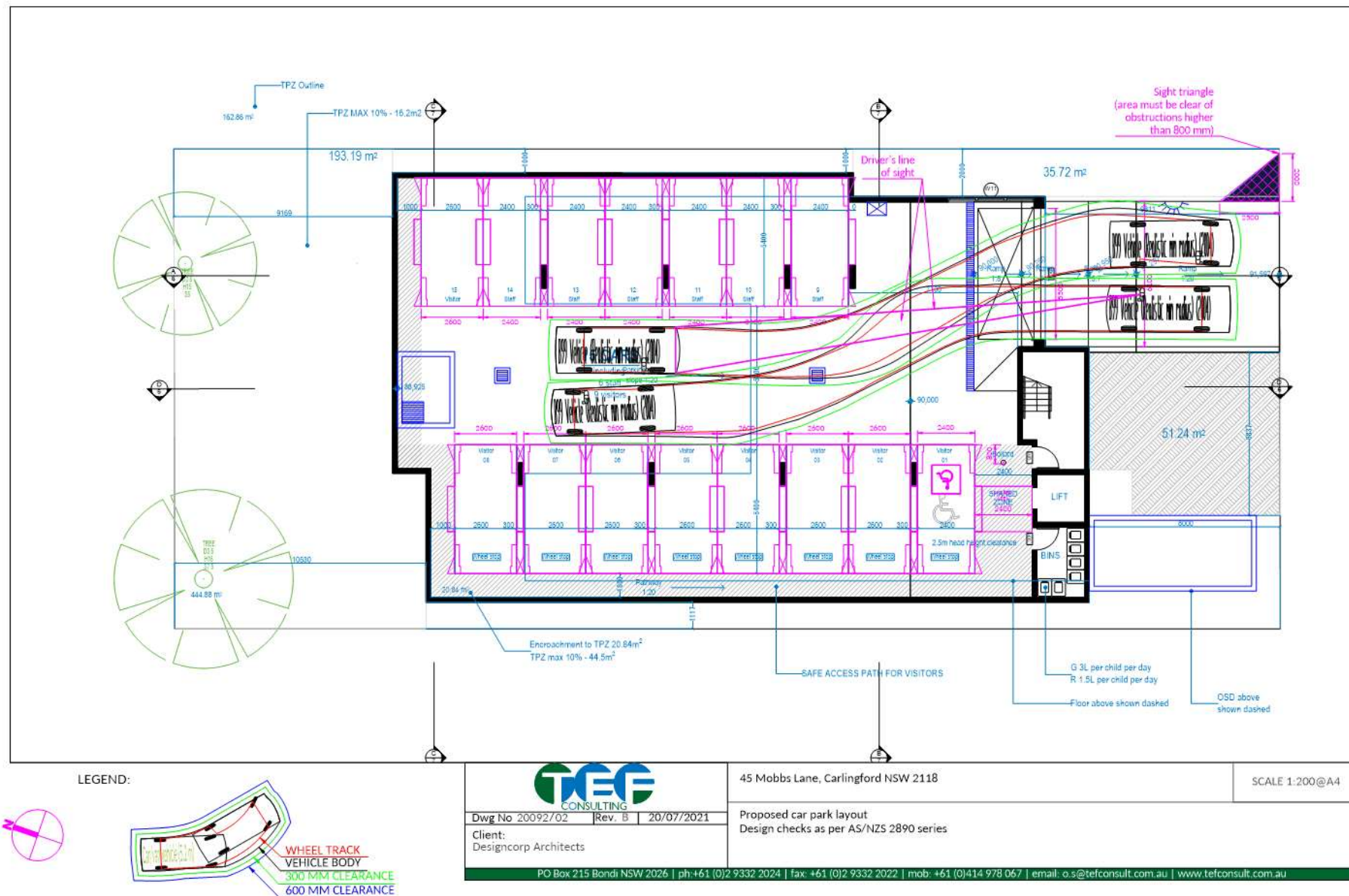
Car park design checks and vehicle turning diagrams

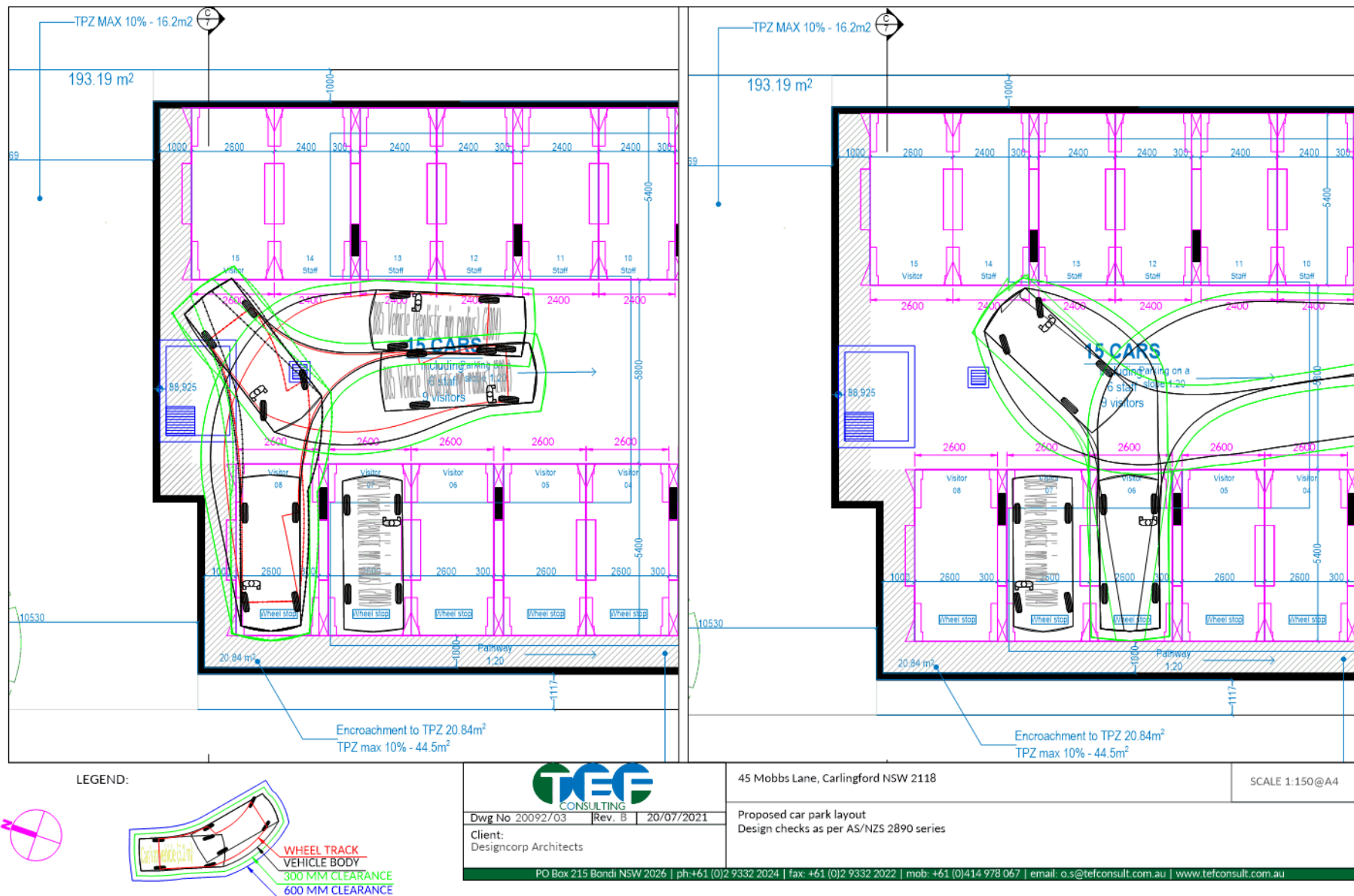
Sight distance analysis

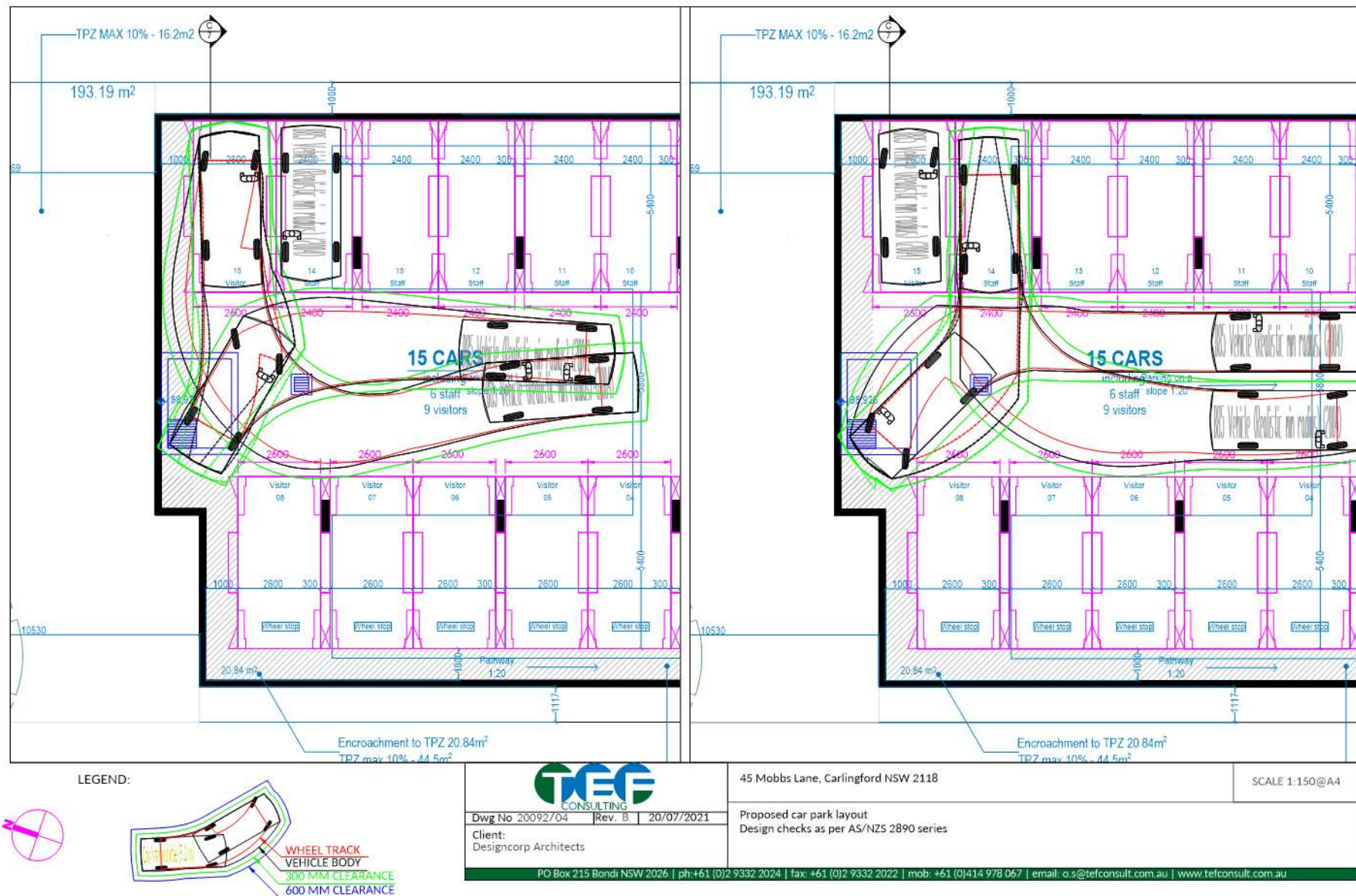
Bus Route 521

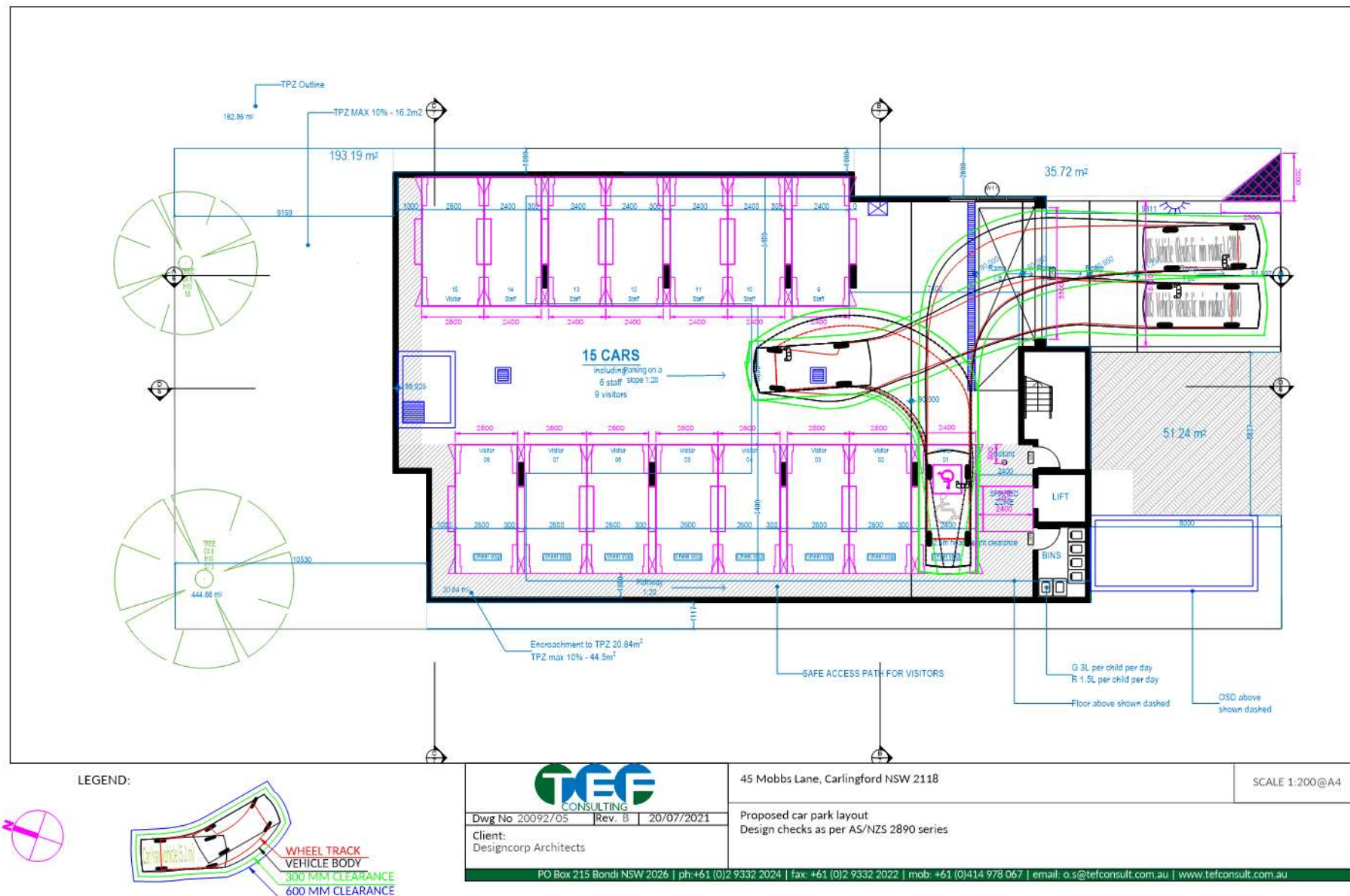


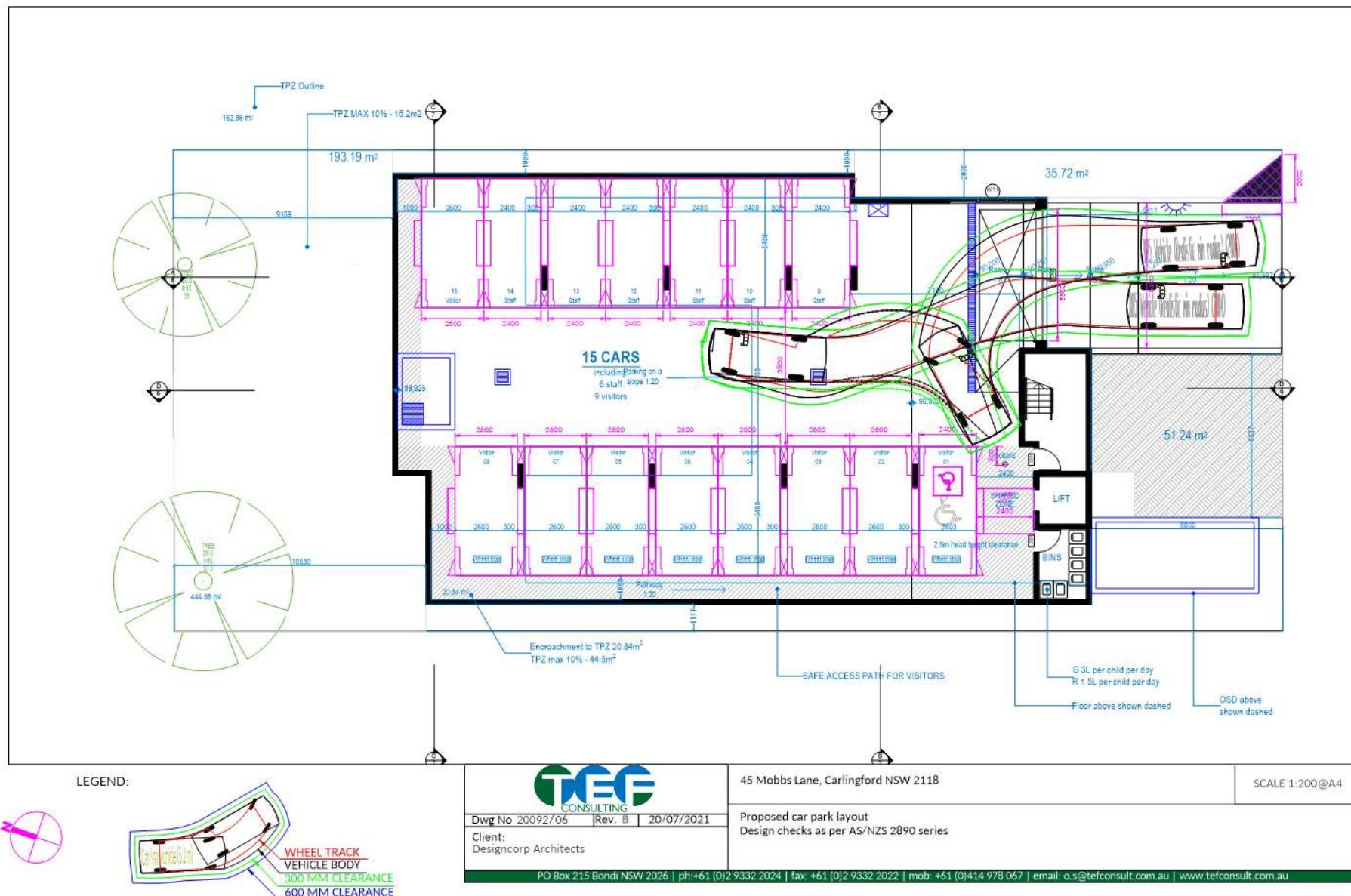


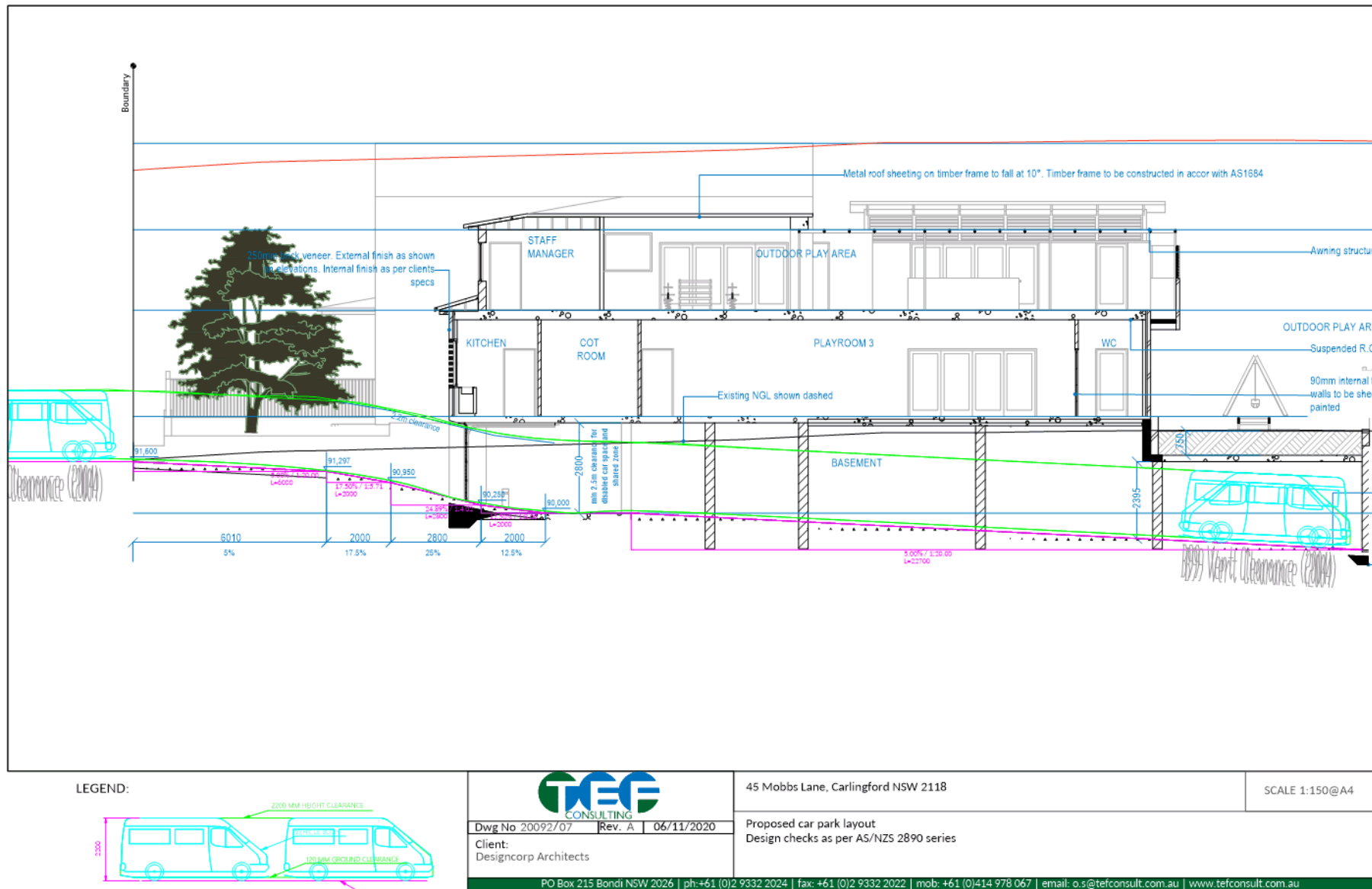






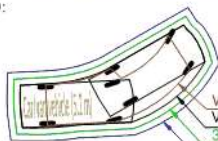








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VEHICLE BODY
300 MM CLEARANCE
600 MM CLEARANCE

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Dwg No 18131/01 Rev. A 30/11/2018

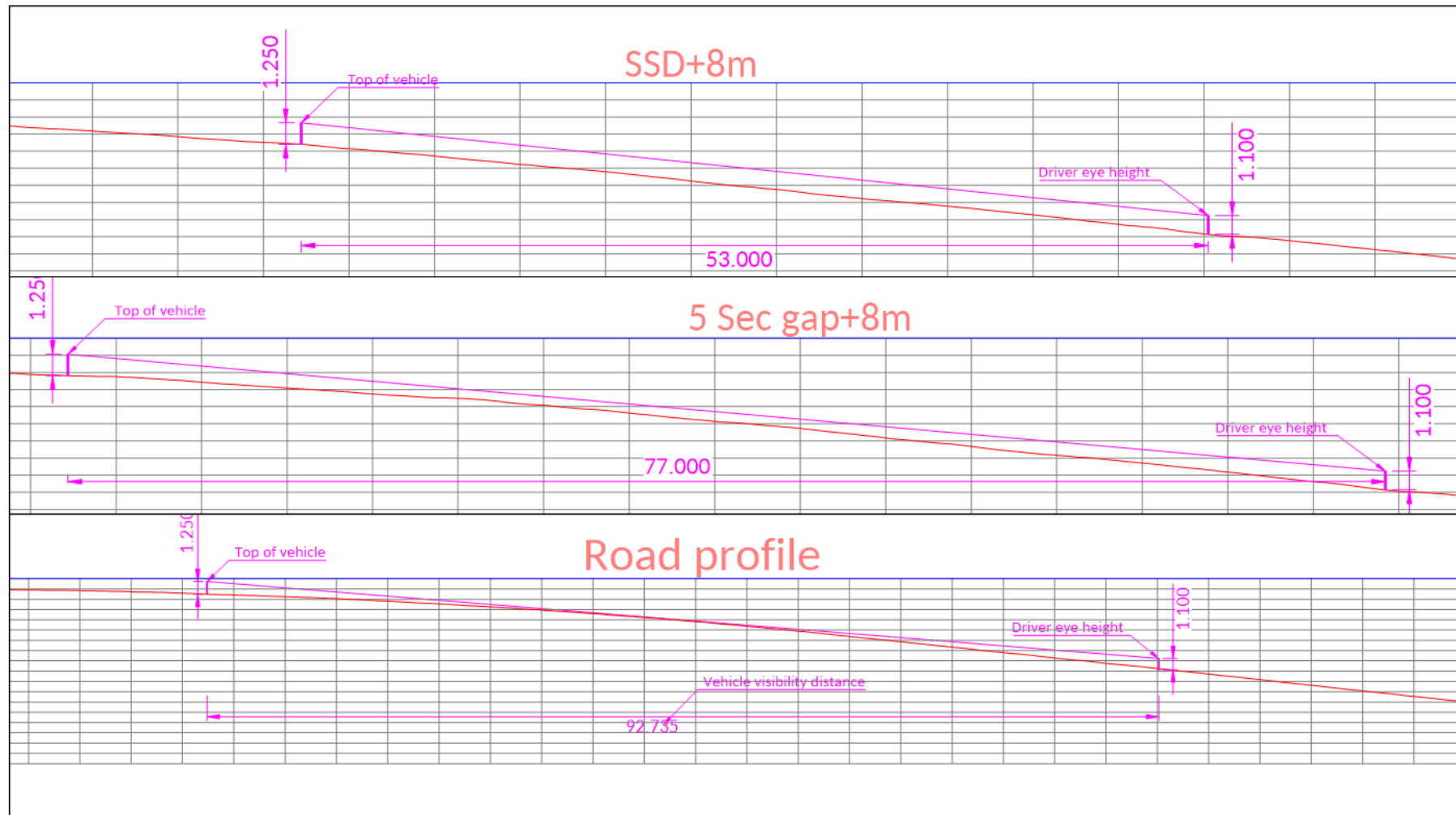
Client:
Zaks

45 Mobbs Lane, Carlingford NSW 2118

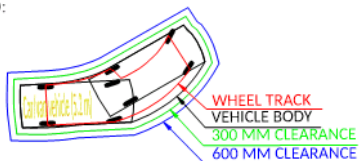
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Proposed car park layout
Design checks as per AS/NZS 2890 series

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LEGEND:



18131 Surface 190507 os.dwg



Dwg No 18131/02 Rev. A 30/11/2018
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