PO Box 215 Bondi NSW 2026 | ph.: +61 (0)2 9332 2024 | fax.: +61 (0)2 9332 2022 | mob.: +61 (0)414 978 067 | email: o.s@tefconsult.com.au | www.tefconsult.com.au

14 September 2020

General Manager
Hornsby Shire Council
PO Box 37
Hornsby NSW 1630

Dear Sir/Madam,

**Barker College Maths & Student Hub**
**91 Pacific Highway, Hornsby, NSW, 2077, Lot 100 within DP1146779**

EPM Projects Pty Ltd (EPM) engaged TEF Consulting to report on traffic and parking requirements of the development of land for the purposes of educational learning, referred to as the Maths & Student Hub (M&SH) at Barker College.

The M&SH project involves constructing a building which consists of Levels 2 and 3 on top of a development known as the Cafeteria Building. The proposed location is adjacent to the western façade of the new 'Rosewood Centre' which has recently been completed. This site location is shown in Figure 1 below.

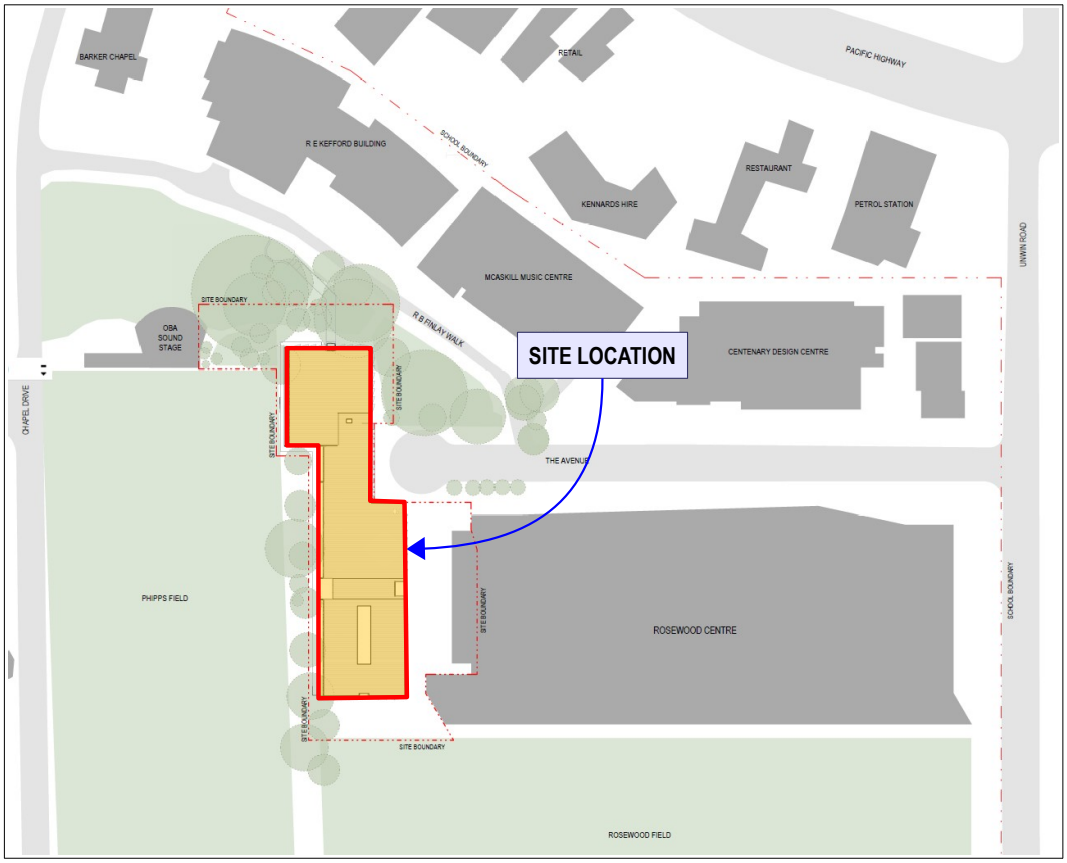



**Figure 1. Site location.**

Internally, the floor areas of the building will contain learning facilities (classrooms), as well as ancillary informal learning hubs and staff rooms.

TRAFFIC & PARKING STUDIES AND MANAGEMENT

TRAFFIC IMPACT ASSESSMENTS

INTERSECTION AND NETWORK MODELLING

ENVIRONMENTAL IMPACT ASSESSMENT OF ROADS, TRAFFIC AND TRANSPORT OPERATIONS

ROAD AND TRAFFIC NOISE

ROAD SAFETY STUDIES

TRAFFIC & PARKING SURVEYS

CAR PARK DESIGN

INTERSECTION DESIGN

TRAFFIC ACCIDENT INVESTIGATION

TRAFFIC ACCIDENT RECONSTRUCTION

RESEARCH AND DEVELOPMENT

EXPERT WITNESSES

**Parking and traffic impacts**

The new M&SH facility is intended to augment and enhance existing teaching facilities that are of a lower standard. The proposal does not seek an increase in the number of students and staff set by Condition 60 of DA/1194/2016.

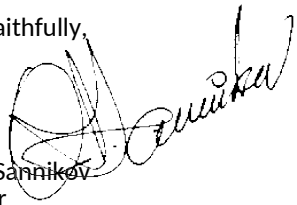
Consequentially, the existing trip generation to and from Barker College will remain the same after the M&SH project. Drop-off and pick-up locations for students will not change. There will be no change to trip distribution patterns on the road network.

**Conclusion.**

The proposed M&SH project will not result in additional traffic and parking demand generation and thus will have no traffic or parking impacts.

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

Yours faithfully,



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

Encl.: reduced copies of architectural plans

Nominated Architect
Ray Brown, NSWARB 6359

**Do not scale drawings. Verify all dimensions on site**

| issue | amendment | date |
|---|---|---|
| A | ISSUED FOR PRE-DA | 23/09/2020 |
| B | ISSUED FOR DA | 23/10/2020 |

MATERIAL FINISHES

| CODE | DESCRIPTION |
|---|---|
| CAN-101 | Steel Plate Awning |
| CLD-201 | Solar Shading Fixed Vertical Fin - Perforated Aluminium |
| CLD-202 | Solar Shading Mega Grid - Solid Aluminium |
| CLD-203 | Solar Shading - Fixed Horizontal Fin Type 1 |
| CLD-204 | Solar Shading - Fixed Horizontal Fin Type 2 |
| CON-104 | Exposed Aggregate External Concrete Floor |
| FLR-102 | Carpet Tiles Type 2 |
| FLR-603 | Engineered Timber Flooring |


**Scale:**
1:200 @ A1
1:400 @ A3
0 2 4 6

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Melbourne
**Sydney**
Perth

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sydney@architectus.com.au
**ABN 90 131 245 684**

project

BARKER COLLEGE
MATHS & STUDENT HUB

drawing

GENERAL ARRANGEMENT PLAN - LEVEL 02

| | |
|---|---|
| scale | 1 : 200@A1 |
| drawn | HD |
| checked | SM |
| project no | 190575 |
| drawing no. | **DA1002** |
| issue | **B** |

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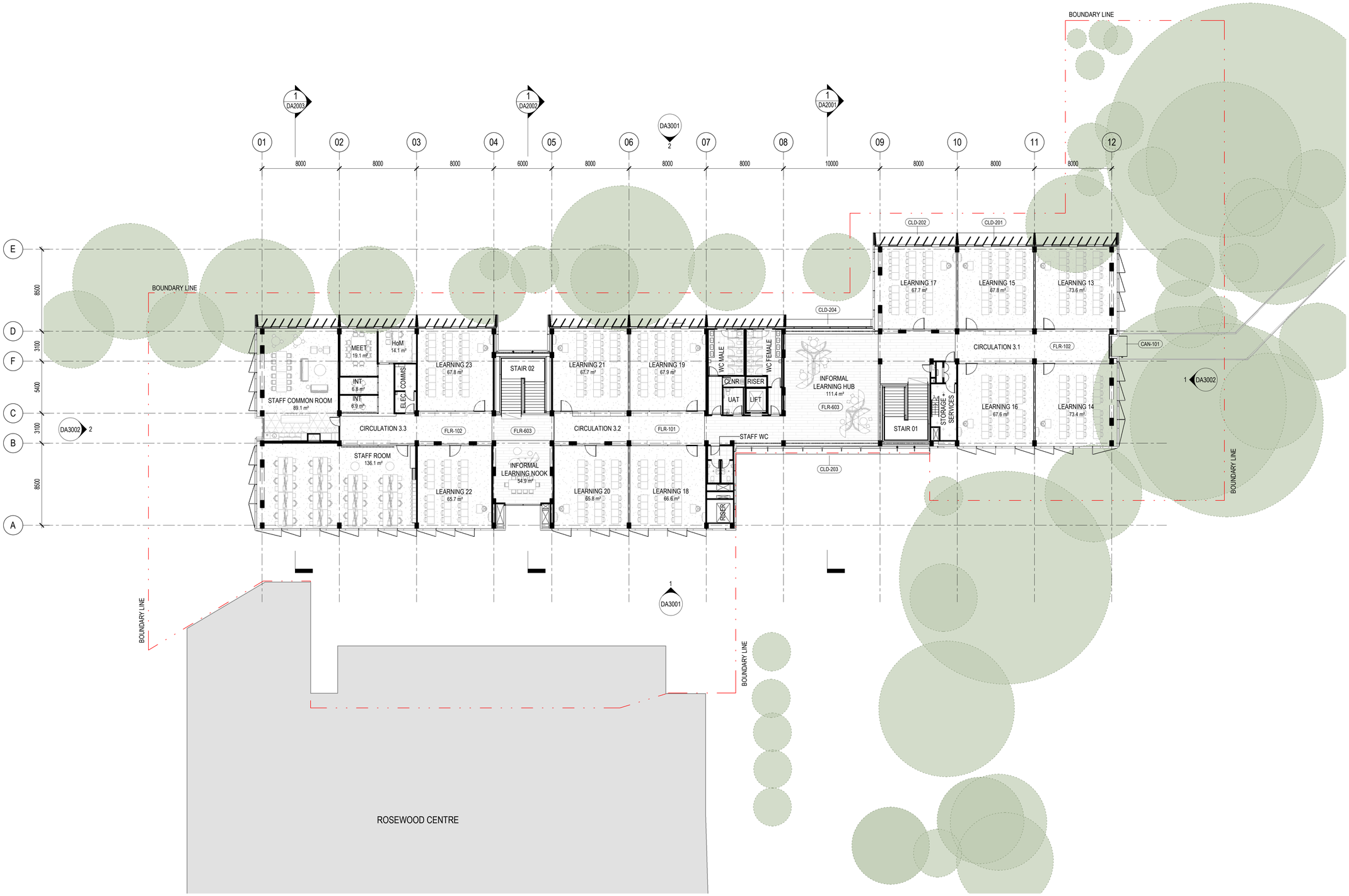
Nominated Architect
Ray Brown, NSWARB 6359

**Do not scale drawings. Verify all dimensions on site**

| issue | amendment | date |
|---|---|---|
| A | ISSUED FOR PRE-DA | 23/09/2020 |
| B | ISSUED FOR DA | 23/10/2020 |

## MATERIAL FINISHES

| CODE | DESCRIPTION |
|---|---|
| CAN-101 | Steel Plate Awning |
| CAN-101 | Roofing |
| CLD-201 | Solar Shading Fixed Vertical Fin - Perforated Aluminium |
| CLD-202 | Solar Shading Mega Grid - Solid Aluminium |
| CLD-203 | Solar Shading - Fixed Horizontal Fin Type 1 |
| CLD-204 | Solar Shading - Fixed Horizontal Fin Type 2 |
| FLR-101 | Carpet Tiles Type 1 |
| FLR-102 | Carpet Tiles Type 2 |
| FLR-603 | Engineered Timber Flooring |




**Scale:**
1:200 @ A1
1:400 @ A3
0 2 4 6

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project

BARKER COLLEGE
MATHS & STUDENT HUB

drawing

GENERAL ARRANGEMENT PLAN - LEVEL 03

| | |
|---|---|
| scale | 1 : 200@A1 |
| drawn | HD |
| checked | SM |
| project no | 190575 |
| drawing no. | **DA1003** |
| issue | **B** |

22/10/2020 5:25:08 PM