

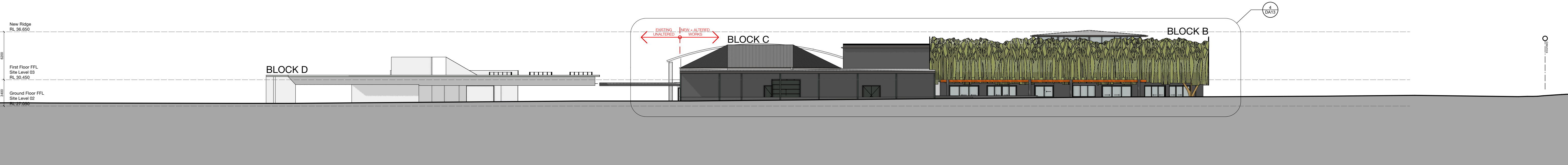
1 SOUTH ELEVATION

Scale: 1:250



2 SOUTH ELEVATION DETAIL

Scale: 1:100



3 WEST ELEVATION

Scale: 1:250



4 WEST ELEVATION DETAIL

Scale: 1:100

LEGEND

- AD Aluminium framed door
- AW Aluminium framed window
- AL Aluminium framed louvre window
- BW Brickwork - face
- BBW Bagged Brickwork
- BLW Blockwork
- CLD1 Cladding - Fibre cement, smooth w. V joint
- CONC Concrete
- CPT Carpet
- DP Downpipe - 900 Colorbond w. 50mm stand-off brackets
- HH Heka Hood - 900mm wide - proprietary awning fixed to fascia
- LAM Laminate
- MFL Metal Flashing - 50mm high with crushfold
- MEG Metal Eaves Gutter - 2000 half round - Zincalume
- MHR Metal Handrail - 50 dia steel
- MRS Metal Roof Sheetting
- PAV Paver
- PLBD Plasterboard
- PLV Plywood ceiling panels-polyurethane clear finish - gloss
- RESIL Resilient flooring
- RBW Rendered brickwork
- SSC Structural Steel Column to engineers details
- SSB Structural Steel Beam to engineers details
- SSF Structural Steel Framing member to engineers details
- SCS Structural Concrete Slab to engineers details
- SCF Structural Concrete Footing to engineers details
- STP1 Timber post to engineers details - size 100x100
- STB Structural Timber Beam to engineers details
- VB Villaboard

Numeric suffix refers to item number variance- refer Finishes and Fittings Schedule
ex. Prefix denotes existing

Austin McFarland.Architects

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all dimensions are to be verified on site, all door and window dimensions are clear opening dimensions, steelwork, windows and joinery are to be checked measured on site prior to manufacture, window schedules are drawn from the external view.

REV.	DESC.	DATE	AMENDMENT NOTES
A	For Development Application	11/10/2023	
B	For Development Application	31/5/2024	

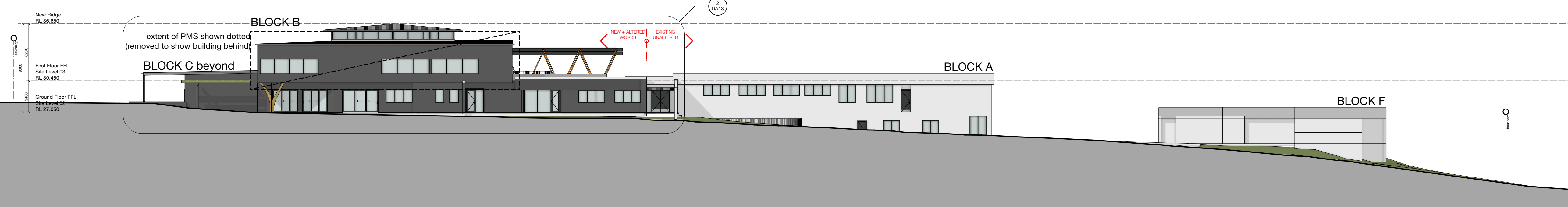
AMENDMENT NOTES
1. dimensions of Preforated Metal Screen added

PROJECT
Lumen Christi Catholic College
64 Culgoa Crescent
Pambula Beach NSW 2549
Lot 388 DP 750227 & Lot 485 DP728071

DRAWING TITLE
ELEVATIONS

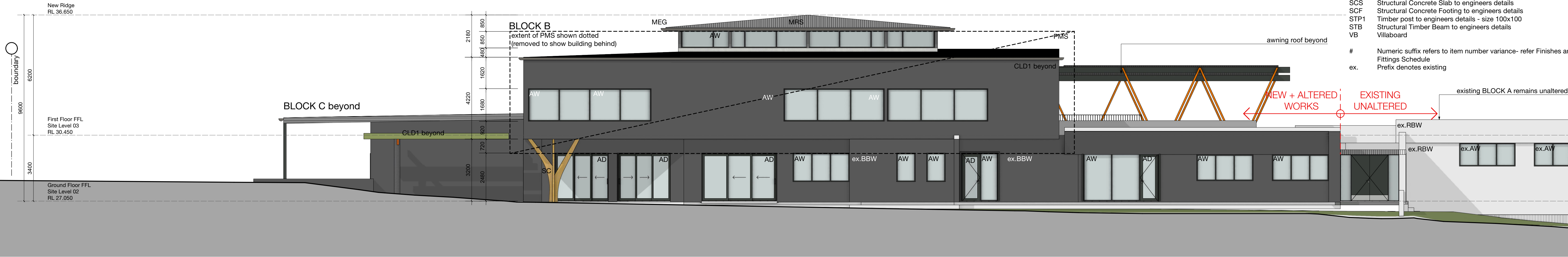
DWG NUMBER
DA13
SCALE @ A1
AS SHOWN
REV
B

S40



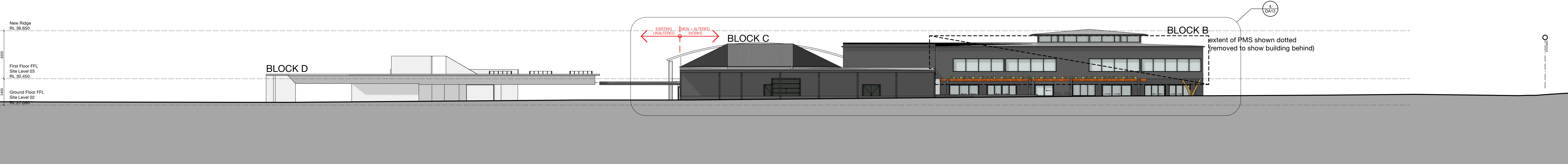
7 SOUTH ELEVATION

Scale: 1:250



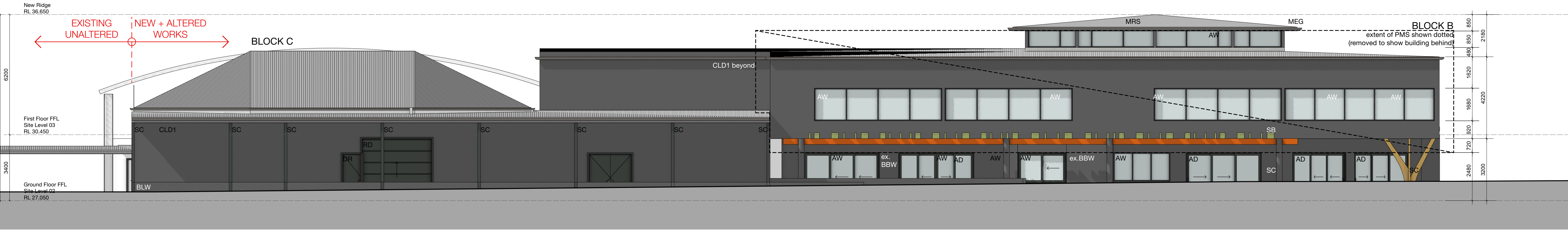
9 SOUTH ELEVATION DETAIL

Scale: 1:100



8 WEST ELEVATION

Scale: 1:250



10 WEST ELEVATION DETAIL

Scale: 1:100

LEGEND

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REV.	DESC.	DATE	AMENDMENT NOTES
A	For Development Application	31/5/2024	

PROJECT
Lumen Christi Catholic College
64 Culgoa Crescent
Pambula Beach NSW 2549
Lot 388 DP 750227 & Lot 485 DP728071

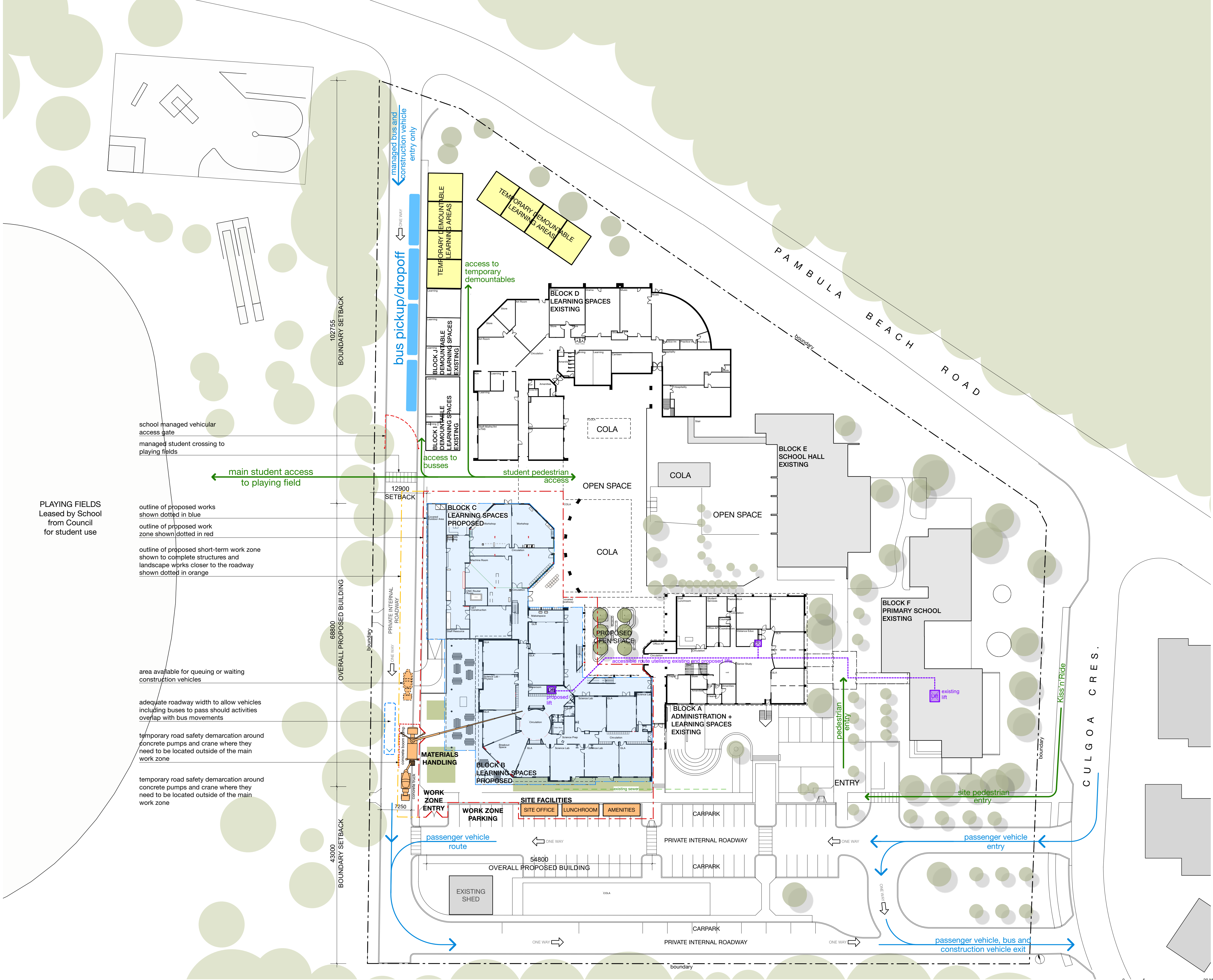
DRAWING TITLE
ELEVATIONS without Screen

DWG NUMBER
DA16
SCALE @ A1
AS SHOWN
REV
A

S40

WALL LEGEND

- existing walls
- new walls
- walls to be demolished



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door and window dimensions are clear
opening dimensions, steelwork, windows and
joinery are to be checked measured on site prior
to manufacture, window schedules are drawn
from the external view.

REV. A
DESC. For Development Application

DATE 31/05/2024

AMENDMENT NOTES

PROJECT
Lumen Christi Catholic College
64 Culgoa Crescent
Pambula Beach NSW 2549
Lot 388 DP 750227 & Lot 485 DP728071

DRAWING TITLE
PROPOSED CONSTRUCTION PERIOD
SITE PLAN

DWG NUMBER DA17
SCALE @ A1 1:250
REV A
S40

31 May 2024

Michael Brewer
Town Planner (Consultant)
PO Box 492, Bega NSW 2550
MBrewer@begavalley.nsw.gov.au

RE: INFORMATION REQUEST - DA/2023.299 - PROPOSED ALTERATIONS AND ADDITIONS OVER EXISTING CLASSROOMS AND ASSOCIATED

Dear Michael,

Thank you for your letter of 28 May 2024 and your time on the phone the other day.

We have endeavoured to address the topics the Southern Regional Planning Panel have raised and hope that the information provided satisfies these for the purpose of the subject application. The topics addressed are in turn Building Elements, relating to the Green Perforated Metal Screen; Accessibility relating particularly to lift access to the upper level of the proposed building; and Construction Management and how the effects of construction activity will be mitigated for the students, staff and visitors to the school.

Attached are amended and additional drawings that provide information to supplement this written response.

Building Elements

The green perforated metal screen is a sunscreen mounted at the first floor level and held off the building's external walls with a structural steel frame. Its primary purpose is to reduce the heat load on the walls of the building with particular protection for the setting western sun. The screen also seeks to reduce the glare for the occupants within the space, while maintaining the outlook from the classrooms towards the bush and towards the ocean. The screen also unifies the existing and new built form to create a cohesive appearance.

a. Details of the purpose of the screens including whether the screens form part of the bushfire protection measures.

The screen is for sun-shading and glare reduction. It is not part of the bushfire protection measures.

The intent of the screen is also to add a visually striking element within the school but not necessarily to change the visual perception of the school form the public realm.

b. Full details of the proposed materials, colours and method of support/ attachment of the proposed screen including distance from the proposed buildings additions

The screen is proposed to be constructed of custom perforated sheet metal, with a powdercoat finish. The screen elements are typically edge stiffened with a 90 degree fold. The screen would be mounted to a steel substructure design by a structural engineer. The steel substructure would be concealed behind the screen and mostly not visible unless looking directly up between the screens and the building.

The design of the screen reflects the tall eucalyptus forest to the south of the school, with the trunks visible in the screen motif and the irregular shape of the screen top reflective of the underside of canopy over, creating a softened line to the sky.

The colours are to be tonal variations reminiscent of Australian bush greens, with the exact colour to be determined from colour samples and compared to colours of the site.

c. Full details of the relevant elevations without the proposed screens with appropriate dimensions provided.

An additional drawing has been prepared which shows the building behind the screen, with the screen dotted over for reference.

d. Amended elevations showing the dimensions/ height of the proposed screens, including the height of the underside above ground level.

The elevation drawings have been amended to include the additional information requested.

Accessibility

The proposed building satisfy the National Construction Code Requirements for disabled access to all areas including the upper level.

The project will comply with all aspects of Part D4 with the following items being most relevant to this project:

- D4D2 General building access requirements - it will apply to all new building works, to and within, with no exceptions being sort.
- D4D3 Access to buildings - the building is located within the school campus which has good accessibility throughout, including to the upper terrace level where the subject building is located. There are currently two lifts on site. One lift is located in the Administration Building providing access to both levels of that building and also to the upper terrace level, containing the subject building and also Block D, I + J. The other lift is located in the Primary School building, which provides accessibility to the lower level of the two storey Primary School.
- D4D4 Parts of buildings to be accessible - All access ways, stairs and lifts comply with the NCC clauses and AS1428.1. The new lift is located at the centre of the proposed two storey portion of the building adjacent to the primary access route, which provides complaint access to the upper level. Door thresholds and clearances and floor finishes will also comply.
- D4D6 Accessible car parking - the site has complying accessible car parking which provide the sufficient number of spaces for the population of the school once completed.

The project will also comply with all other aspects of *Access for people with a disability* in the NCC including, but not limited to, signage, tactile indicators, and amenities.

Construction Management

It is acknowledged that there will need to be adjustments to the currently arrangements on site during the construction process, including movement of students, staff and visitors. It will also impact vehicle movements as they come and go from the site be it via car, bus or as pedestrians.

The school appreciates that there will be some inconvenience, adaptation and temporary arrangements necessary in order to realise this much needed upgrade to the built environment of the school. The facilities management team of Catholic Education is also very experienced with assisting schools through these construction periods. They have processes in establishing expectations and standards with builders for safety and mitigation of adverse effects of significant building works such as these being undertaken within occupied school campuses.

In addition to the changes to the site circulation and accomodation of construction works by the school users, additional demountable classrooms will need to be installed to offset the temporary loss of learning areas for the duration of the construction period. It is proposed that temporary demountables be installed on the land to the north of the existing demountables. This location is away from the proposed work zone and readily accessible for manoeuvring and installation of the demountables. It is also close to existing services and the circulation routes associated with the other demountables on the site. The proposed location of these demountables are shown on the attached drawing.

One of the benefits of the building works location is that it is set into the south western corner of the campus and is directly adjacent the main internal roadway, while not blocking or impeding vehicular movements along it.

The below addresses each of the items raised by the Panel:

a. Protection of students, staff and visitors.

The construction site will be defined and clearly demarcated throughout the construction period by a secure scrim lined perimeter construction fence. Furthermore, works at high level will be covered by scrim lined scaffolding for significant periods to minimise the potential for items to fall outside the fenced work zone.

Unnecessary interaction between personnel associated with the works and students and staff will be minimised through the adoption of plans of management including prohibition of communication through the perimeter fence with students and staff and the insistence for all personnel to hold current Working with Children Checks (WWCC).

One of the greatest potential risks to students, staff and visitors is from construction vehicles including deliveries of materials and movement of machinery and plant to and from the construction enclosure.

Catholic Education requires Construction Management Plans to be submitted by each tenderer as part of the non-price selection criteria. At this point, the builders, all typically selected for their experience on similarly scaled education section projects, will be assessed on their considerations of these issues and detailed Management Plans provided.

b. The delivery of goods and materials including likely vehicle sizes, access points, traffic management strategies / control measures / controllers.

The Construction Site is within the school campus and generally well served by perimeter private roadways which presently provides managed movements of cars, buses and pedestrians. The current arrangements are safe and well scaled for the school population. Teachers assist with management of these arrangements including with the supervision of bus lines and the kiss and ride lay-by.

These movements will be effected during the construction period by the construction activities as they utilising the private internal road for access but these activities will not block or restrict access by other users.

Time management will be used to reduce conflict between users, with the potential of access and deliveries to occur before school hours and during class periods when little or no other vehicle movements occur. Exact arrangements will be contingent on the stage of construction and relevant plant or machinery movements are required.

Movement of personnel will also be coordinated to arrive before school commences and leave outside of the peak end of school period between 3:00pm and 3:30pm.

The presence of the internal private roadway will limit the direct effect on the local public roadways except for increase traffic movements outside of the peak movements associated with start and finish of the school day. There is no access into the construction site directly off the public roadways and this will avoid the need for public road traffic control.

Buses and passenger vehicles have separate site entrances.

Buses currently access the site from Pambula Beach Road via the north western corner of the site onto a one-way bus only roadway along the western boundary. There is an access control gate across the bus only roadway (shown on attached drawing) which the school closes between morning and afternoon bus movements, to restrict non-authorized vehicle movement along this roadway and also provide safe and managed access from the school campus to the Council playing fields to the west by students for sport and recreation.

Passenger vehicles only access the school campus from Culgoa Crescent on the east via a one-way roadway to the parking area. Both bus and passenger vehicles leave the site via the one-way roadway that runs along the southern boundary of the site onto Culgoa Crescent.

Heavy construction vehicles will follow the current bus movement arrangement leaving the site in the same one-way loop pattern. The existing access control gate across the western bus only roadway will continue to be utilised to restrict unauthorised access and manage vehicle movements to maintain access by students to the playing fields.

During peak construction vehicle movements, such as large concrete pours when concrete trucks and concrete boom pumps will be present, the builder will provide traffic control on the internal 'bus' roadway. These plans will be prepared in conjunction with the school to ensure they are appropriate and acceptable to the executive and staff. It is not proposed that traffic control measures are provided on the public roads.

The attached plan shows the proposed vehicle movements during the construction period.

c. *The location of work zones, materials storage areas, site offices and facilities for construction workers, car parking for construction staff.*

The works zone will be contiguous and will include Blocks B + C only. Some occasional work will happen outside of the proposed building footprint and main work zone to complete landscape and interface work with existing ground planes. The site fencing will be expanded to include this affected area. These interface and landscape outside of the main work zone will be undertaken during periods of little or no activity and predominantly during school holidays.

Materials handling areas will be located along the two edges of the work zone along the internal roadway. The area will be located along the western edge of the works zone adjacent to the internal 'bus' roadway. There is a large existing grassed area, which will not be built out as part of the works with the exception of a pergola effecting some of the area. This can be utilised for the duration of the project up until the final stage of landscaping and construction of lightweight elements towards the end.

It is proposed that site offices and facilities for construction workers be location within the adjacent car spaces along the southern extent of the works zone. This will effect approximately 2/3 of the adjacent car spaces for the duration of the construction works.

d. *Security lighting.*

The existing security lighting for the site is mainly building mounted including on the buildings proposed for alterations. The lighting will be removed from the subject buildings during the construction and unavailable until new lighting is installed upon completion, thereby reducing the light towards the adjacent roadways, pathways and internal courtyard.

There are existing wall lights mounted on the adjacent existing shed including a spotlight directed back towards the subject building. Additional light will be installed on the eastern corner of the shed to supplement lighting to the carpark area towards the east.

Additional temporary lighting will need to be installed to provide light along the western extent of the works zone and on to the adjacent roadway. Power is not available along the fence/boundary line to the west.

e. *Noise, water, air pollution control.*

The construction works have the potential to produce environmental impacts on the immediate context of the school campus predominantly including noise, air pollution in form of dust, and water pollution in the form of sediment runoff. While the builder can mitigate some of the effects of these environmental impacts, the builder and the school will need to maintain communication around periods of sensitivity to these factors.

Noise is typically the greatest form of disturbance from construction projects undertaken in school campuses. Some periods of the construction phases produce greater levels of noise pollution, including but not limited to demolition, steel frame erection and fit-off. The school is aware of the potential for noise pollution and have undertaken to communicate with the parties to ensure the most sensitive activities, such as exams, can be accommodated with minimised noise interruptions. Furthermore, the main building used for exams within the school is the School Hall which is located over 50 metres from the closest part of the works zone, on the lower level of the site.

The school has recent experience with the construction of the Primary School buildings on the eastern side of the site. The Primary School was built in two stages and the school managed this process with the builder to manage similar noise issues.

Air pollution will be at its greatest potential extent during excavation and demolition of the existing building fabric. As it is intended that the most of the existing building's slab be retained, the extent of earthworks, exaction and demolition of concrete will be minimal. However, the builder will be instructed to monitor this during the procedure and mitigate the effects by coordinating the timing for low occupancy periods or the use of water to dampen the dust. Other construction airborne pollution such as cutting of timber will be mitigated with the use of exhaust system on tools.

The risk of water pollution will be highest during period when the ground is exposed from excavation and/or demolition. As mentioned above, since the extent of these works is intended to be minimal, through maintaining the majority of the ground floor slabs, this risk is minimised. However, sediment control will be

installed where excavation is taking place to ensure the pollutant material is minimised and retained within the work zone through filtration.

f. Management of activities during exam times (including NAPLAN/ Trial and actual School Certificate and HSC exams).

Exams are considered a highly important part of the learning experience and the school manages these events amongst the many other activities currently occurring through a school day and year. Exams typically involve a select group of students at any one time and so the activities of the greater school population, including noise generation including from outdoor play, sporting activities and activities conducted by the louder subjects such as Music and TAS, are currently managed by the school to mitigate the effects on students trying to focus.

Construction activities on site add to this potential noise disturbance and can be harder to manage by a third party. However, construction projects of this type in schools are very common and often in much more confined spatial configurations. The relatively spread out nature of the school campus means many areas are suitable for holding exams which are located in areas away from the work zone.

NAPLAN is typically conducted in the classroom or in the school hall for the secondary students. The main area for HSC exams, trials and actual, is the school hall which is isolated adjacent to the Primary School building and has reasonable separation from the work zone.

In addition to the site arrangement and selecting spaces for exams away from the work zone, the builder will be required to liaise regularly with the school about upcoming noise sensitive events, including exams, and moderate their activities to accommodate them to a reasonable level. In addition to these management measures, Catholic Education can nominate exam times within the construction contract to be "no noise working days" with works programmed around them.

As the commencement and duration of construction activities is not yet known it is not possible to provide a management plan to mitigate disturbance of noise sensitive events. During the tender period and tender negotiation phases, these issues will be addressed and procedures and programs developed to minimise disturbance and maximise the use of school holiday and out of school hours period for noisy activities.

g. Management of activities/ deliveries during school drop off and pickup.

Construction activities will be managed on site to minimise the impact of the other uses, particularly around the peak movement period of school drop off and pickup. Commencement of construction activities will typically occur from 7am with the majority of construction personnel arriving on site prior to any student or staff. School drop off is a more protracted event due to the varied bus movements and the early timetabling of some classes including extension and some vocation subjects. This period can stretch between 8am and 9:30am depending on the timetable and extracurricular activities occurring on any one day. School pickup is typically a much shorter period with most students leaving site between 3:00pm and 3:30pm. Staff movements extend later but are spread out over a longer period, thereby having reduced intensity of vehicle movements.

The builder will be required to plan their vehicle movements of personnel and construction plant and machinery to avoid these peak movements, particularly those involving students, where unpredictability of movements is greater and safety at greatest risk.

Please contact me if you have any remaining queries from your original letter or from the information provided.

Yours Sincerely,



Russell McFarland
Austin McFarland Architects

Appendix 1

Email from: Brewer, Michael - To: architects@austinmcfarland.com.au -

Cc: Fowler, Mark, Tasks Planning Admin Support

Date: 28 May 2024 at 5:04pm

Subject: Information Request - DA/2023.299 - Proposed alterations and additions over existing classrooms and associated

Good afternoon Russell,

Further to our recent discussions, the above Development Application has been reviewed by the Southern Regional Planning Panel at its meeting on 24 May 2023. At the meeting, a number of matters were raised relating to certain design elements, accessibility and construction management. As a result, the Panel has requested the following matters be addressed:

Building Elements:

1. The submitted plans indicate a green perforated metal screen is to be provided to the upper portion of the southern, western and part of the eastern elevations of the proposed additions. It is requested that the following information be provided for the Panel's consideration:
 - a. Details of the purpose of the screens including whether the screens form part of the bushfire protection measures.
 - b. Full details of the proposed materials, colours and method of support/ attachment of the proposed screen including distance from the proposed buildings additions
 - c. Full details of the relevant elevations without the proposed screens with appropriate dimensions provided.
 - d. Amended elevations showing the dimensions/ height of the proposed screens, including the height of the underside above ground level.

Accessibility:

2. The proposal has not been supported by an Accessibility Report however it is noted that the proposed ground floor plans indicate a pedestrian lift is to be installed. Please confirm whether the lift would satisfy the National Construction Code Requirements for disabled access to the proposed upper level.

Construction Management:

3. Representatives from the school indicated on-site during the inspection that students access the ring road and surrounding school playground areas during recess and lunch times and that construction was expected to occur over an estimated period of approximately 16 months. The proposed works are also adjacent to the main pedestrian access to the public sports ground and associated car park with both staff and students observed accessing these spaces during the site inspection. Given the proximity to and potential disruption to normal school activities including ordinary classes and exams, a Construction Environmental Management Plan (CEMP) is to be prepared and submitted for review. The CEMP is also to specifically address how the proposed construction activities will impact on the following matters, with strategies to reduce or mitigate potential impacts:
 - a. Protection of students, staff and visitors.
 - b. The delivery of goods and materials including likely vehicle sizes, access points, traffic management strategies/ control measures/ controllers.
 - c. The location of work zones, materials storage areas, site offices and facilities for construction workers, car parking for construction staff.
 - d. Security lighting.
 - e. Noise, water, air pollution control.
 - f. Management of activities during exam times (including NAPLAN/ Trial and actual School Certificate and HSC exams).
 - g. Management of activities/ deliveries during school drop off and pickup.

Please provide the above mentioned information within 14 days from the date of this email so that your application can be determined.

In accordance with Clause 94 of the environmental Planning & Assessment Regulation 2021, the assessment of the development application is suspended from the date of this correspondence and will remain so until the above information is received by Council.

Council will proceed with the determination of your application via the Southern Regional Planning Panel as soon as the additional information is provided and assessed accordingly. However, should the information not be provided or a response to the contrary, the application may be determined on the information available, in which case, it may be determined by way of refusal.

If you require any further information or clarification of the information requested, please do not hesitate to contact me on 049 049 5656 during business hours.

Yours sincerely,

Michael Brewer
Town Planner (Consultant)

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