

SSD-10371

Trinity Grammar School Summer Hill Campus - Renewal Project

Design Analysis Report

FEBRUARY 2020

P M D L 

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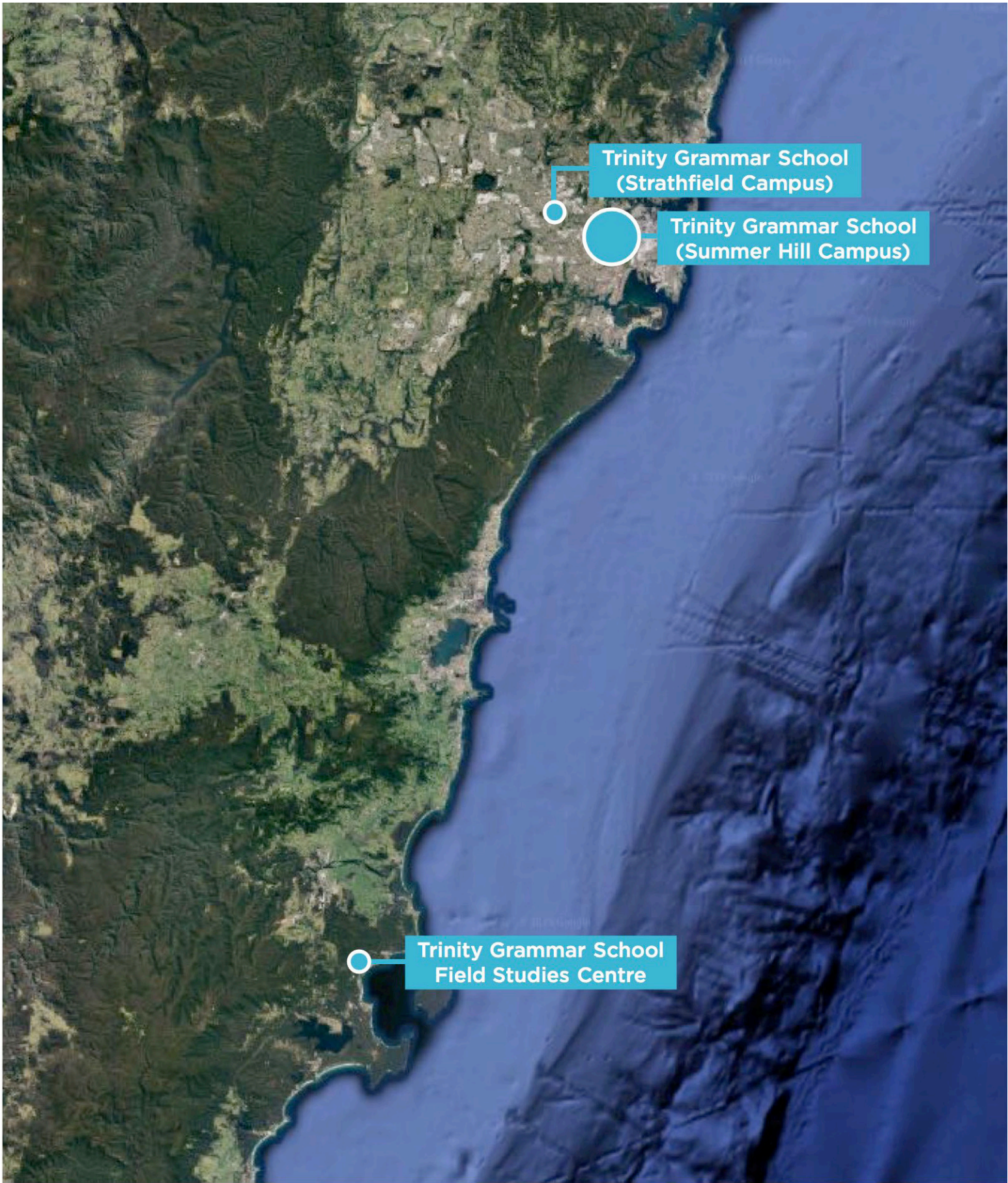
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Based on the NSW Government Architect Office, “Better Placed Policy”, the Educational SEPP “Design Quality Principles” and the requirements of the SEARs, this report has been prepared to summarise the process, responses and incorporation of design objectives in the proposed Renewal Project for Trinity Grammar School Summer Hill campus.

ISSUE REGISTER

Date	Purpose
18/12/2019	Draft for Review
7/2/2020	SSDA Submission

THREE CAMPUSES



TRINITY GRAMMAR SCHOOL INTRODUCTION

Trinity provides an abundance of opportunities which fosters the development of boys into men and allows boys to turn potential into reality.

Philosophy & Mission

Trinity Grammar School is an Independent School in Sydney's Inner West. Trinity holds a reputation of excellence and prestige across its two campus', Ashfield Campus catering for Pre-K to year 6, and the Summer Hill Campus, catering for K-12 boys education. Trinity Grammar School also opened its Field Studies Centre located at Woollamia in 2016 with the aim to bring Sydney boys out of their urban environment to learn about the local area and their responsibilities as custodians of the environment.

Trinity Grammar School believes "every boy is known, cared for and guided to grow in mind, body and spirit". Trinity actively encourage students to grow in wisdom and stature in order that they may become responsible, contributing members of society through development in Spiritual, Academic, Social, Physical, and Cultural support systems.



RENEWAL PROJECT SUMMARY

Project Objectives

The following objectives have been identified as forming the basis of the proposed development of the existing educational establishment:

- Create an education precinct to create a high-quality teaching and learning environment for staff and students;
- Establish additional floor space to increase availability and efficiency of teaching functions for Trinity Grammar School Summer Hill Campus;
- Improve site access, car parking and surrounding traffic functions in the precinct;
- Strengthen pedestrian linkages throughout the campus;
- Enhance the overall campus aesthetic, upgrade the public domain to create visually interesting transitions through the campus, and promote the heritage elements of the campus;
- Ensure minimal environmental impact;
- Maintain the significant green fields assets and provide opportunities for new outdoor environments;
- Ensure development is compatible with surrounding development and the local context; and
- Create a safe environment to support and nurture the boys growth.
- The site and proposed design are considered to meet the objectives of the project as it allows for development on land that has been previously used for educational purposes.

Proposal Summary

The proposed development seeks detailed built form approval of new teaching and educational facilities, as detailed below:

- New five (5) storey building at the heart of the Campus to accommodate contemporary, flexible teaching and learning spaces;
- Improve movement and flow for students, with better east-west and north-south links across the school grounds and between levels, including more accessible connections between the Junior School, ovals and car park, and providing strong visual and physical connections;
- Renewal and Refurbishment of existing teaching and learning facilities;
- Reconfiguration and connection of underground car park improve traffic flow for the school drop-off and pick-up zone and improve the safety of boys and visitors who enter the school grounds as pedestrians from Victoria Street;
- New multi-purpose pavilion between Ovals 1 and 3 containing a championship size basketball court with practice overlay, spectator seating and amenities;
- Demolition of school-owned residences at 46, 48, 50 and 52 Seaview Street, improving the existing service, maintenance and delivery facilities;
- Improvement and extension to Junior School outdoor teaching, assembly and recreational area.



LOCATION PLAN

The Trinity Grammar School Summer Hill campus is a SP2 zoned land bound by Prospect Road to the East, Victoria Street to the West and Yeo Park to the South. The campus adjoins a number to residential lots and also has frontage to Seaview street with its Junior School building.

The Trinity Grammar School Summer Hill campus site is approx. 65,550m² within a residential suburb. The campus consists of the Junior School, Secondary School, Specialist and shared facilities. The campus has been identified as an item of local heritage significance on the Ashfield Local Environment Plan 2013, as Item 608, "School – headmaster's house and chapel". Urbis' Heritage Assessment report describes in detail buildings on site.

The campus has grown over time which is evident in the range of buildings across the site. The site consists of multiple built forms and landscape elements, and as a consequence, a grid-lock of buildings are created and connections between buildings became "ad hoc". Many areas are not accessible and left over spaces in-between developments are major WHS concerns. Another consequence of the close proximity of the buildings means many open spaces suffer from a lack of amenity, accessibility and are poorly designed/arranged.

The School offers of a broad range of sporting activities supported by its three playing fields. Oval 1 faces onto Prospect Road and Yeo Park, Ovals 2 and 3 are situated on the western side of the campus. Oval 2 and 3 contains car parking below which are accessed off Victoria Street. Amenities and access that support these assets will require improvements to better facilitate the offer.



THE SITE



AERIAL VIEW



VICTORIA STREET



YEO PARK



SEAVIEW STREET

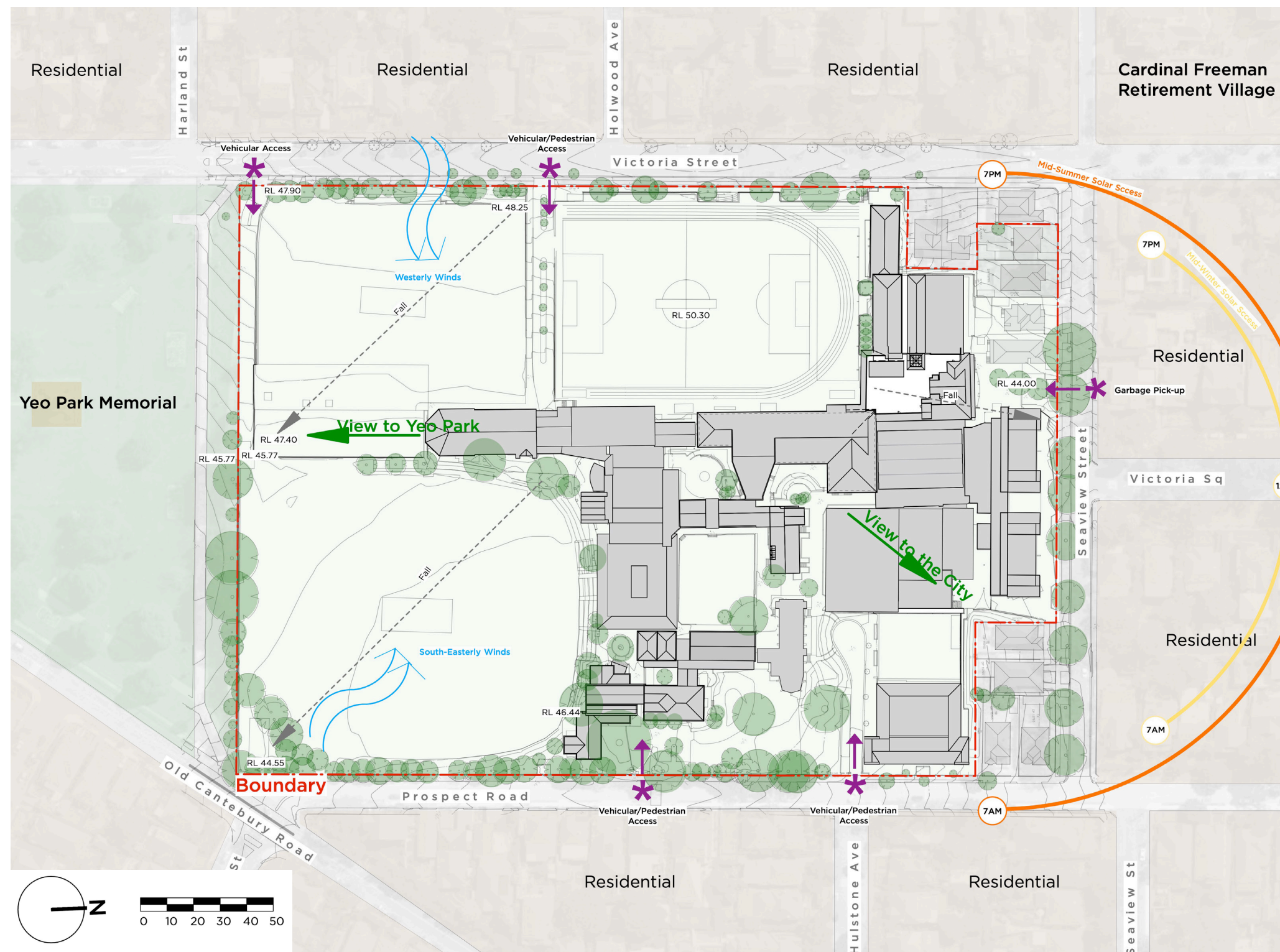


VICTORIA STREET



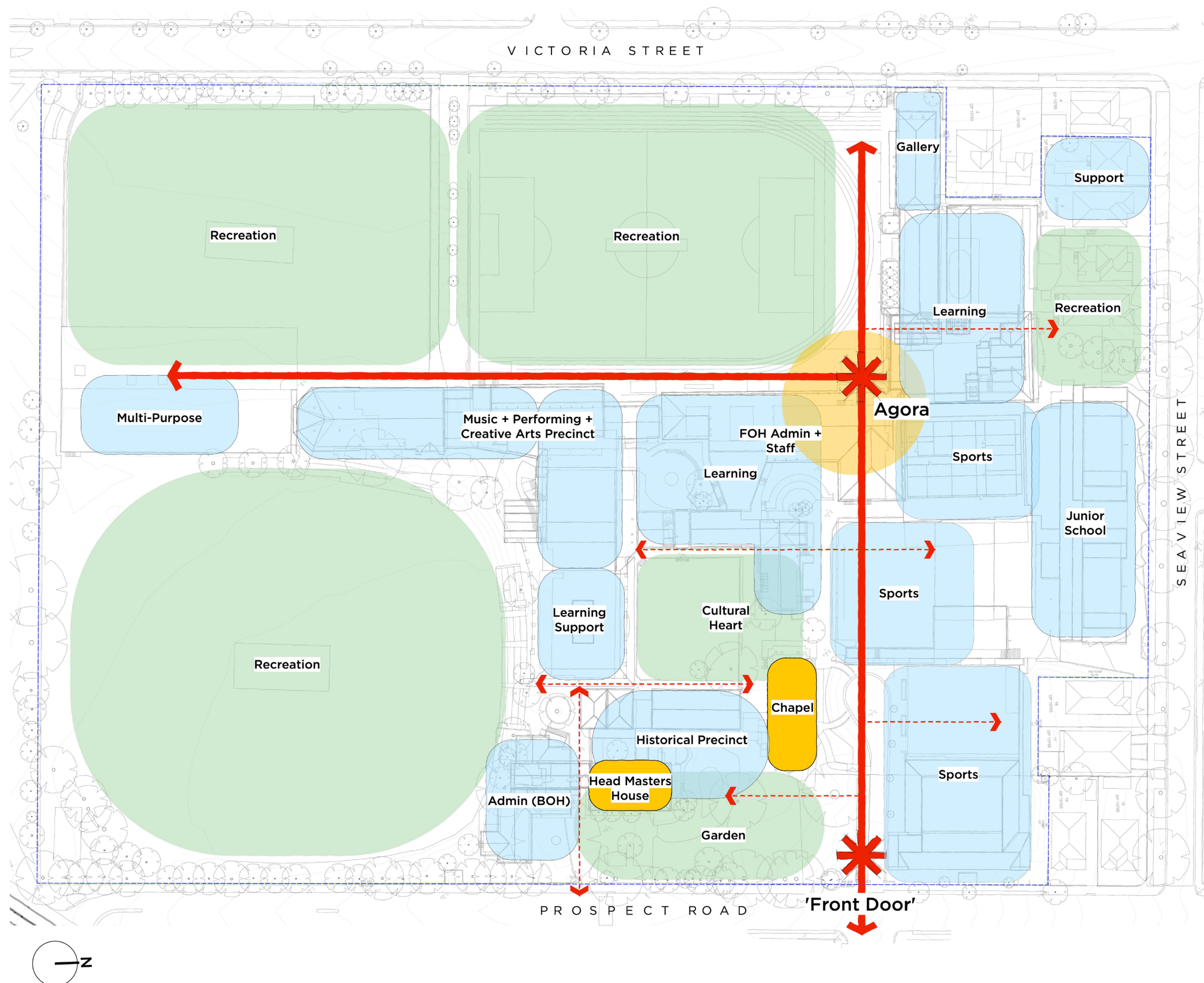
PROSPECT ROAD

SITE ANALYSIS



- The campus grounds have many level changes across the site and tiered across the three sports fields.
- Large proportion of green space but many are out of bounds or underutilised.
- The site has two main street frontages. Prospect Road is the historical frontage which is the main pedestrian arrival. Victoria Street is the primary vehicle access point, with Jubilee being the main pick-up/drop-off and services/delivery access and a secondary vehicle access adjacent to Yeo Park for access to Oval 3 Staff parking.
- The Junior School occupies the northern frontage along Seaview Street. It is currently constrained by residential houses on both neighbouring boundaries, and is separated from the major open spaces of the campus by the inherent level change and Senior School buildings.
- Garbage services and minor deliveries are directly from Seaview Street. The main hydrant booster is also off Seaview and needs to be maintained.
- A vista to the city to the north-east can be enjoyed from the higher levels of the buildings.
- Residential properties across all three streets are in the heritage conservation zone.
- The Head Master's house and Chapel have been identified as having significant heritage value by the Ashfield Local Environmental Plan 2013. This has rendered the whole Trinity Grammar School Summer Hill Campus a heritage listed site.

SITE OPPORTUNITIES

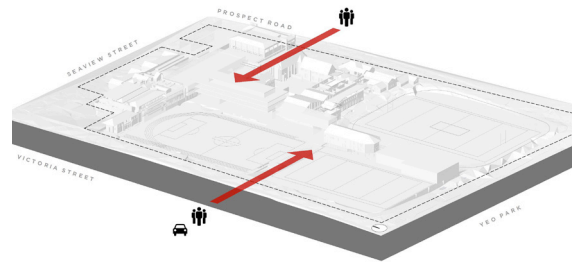


The key issues at the Trinity Grammar School Summer Hill Campus identified were:

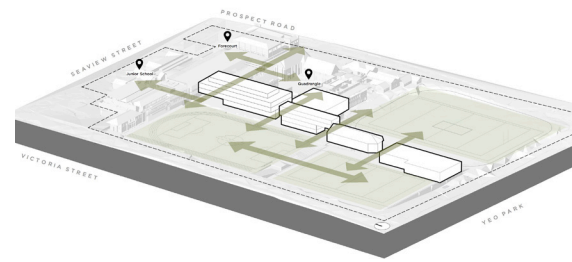
- Under-utilised, undersized, outdated and problematic spaces, which constrain the opportunities for contemporary learning settings. Timetabling practices designed to limit movement of students (in response to poor circulation) have inadvertently led to low space occupancy levels.
- A lack of connections between teaching and learning spaces, being a reflection of traditional pedagogy. The format of the existing buildings provide very limited opportunities to create connected spaces or to develop the suite of learning settings required for accepted contemporary teaching and learning.
- Circulation and connection through the site is restricted and problematic. The campus has grown over time with a range of new buildings and as a consequence, connections between buildings are “ad hoc”. Many areas are not accessible and left over spaces in-between developments are major WHS concerns. Vertical circulation is dispersed, many only connecting a limited number of floors. Fire stairs are used as access stairs which is not an ideal scenario.

Development opportunities revealed themselves to be at the centre of the Campus. The buildings occupying this zone are in various stages of ageing and are in less-than-optimum conditions. Developing this area will open up opportunities to provide contemporary teaching and learning facilities, strengthen connections across the campus and allow for growth of the School.

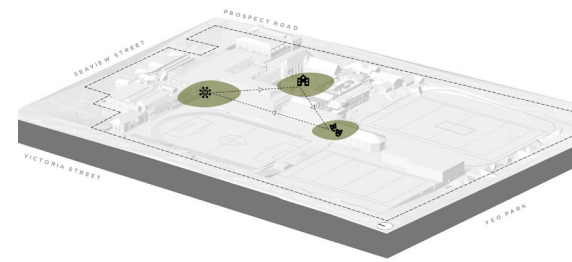
KEY DESIGN MOVES



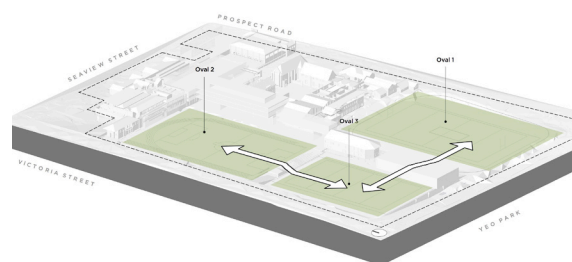
Campus Access



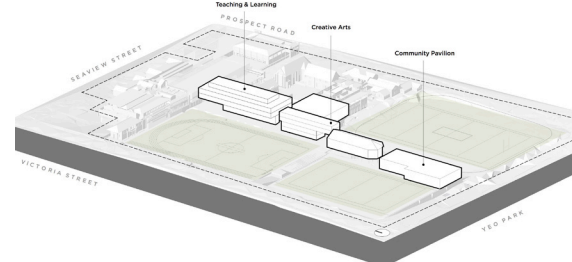
Site Access



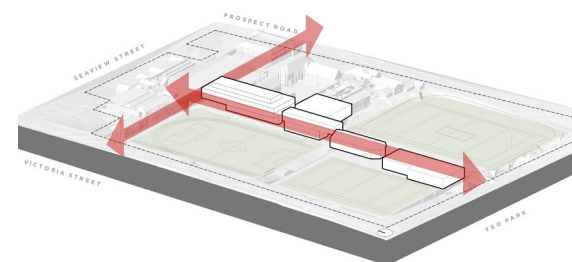
Hearts of School



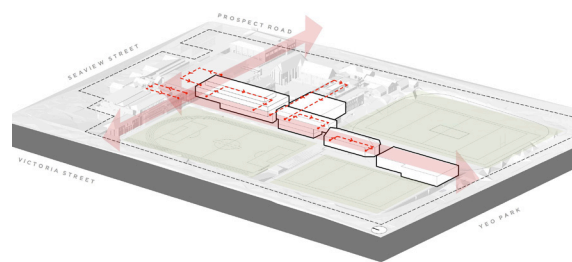
Green Fields



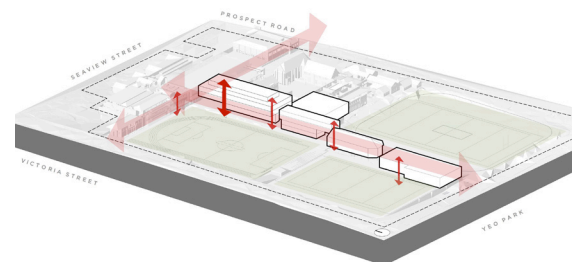
Precincts



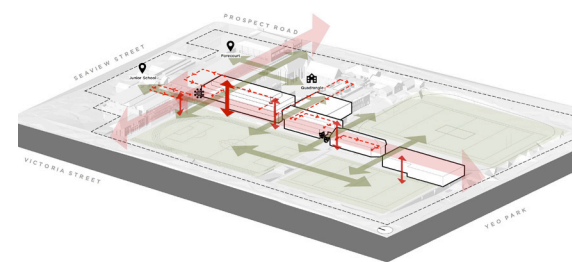
Connection



Circulation



Vertical Circulation



The Renewal Project

Key planning principles to the campus are :

Site Access - Strong axis are established across the site. The primary East West axis connects the Main school entrance at Prospect Road, pass the Historic Chapel and Head Master's Residence, the Quadrangle, to Delmar Gallery on the other end of the campus. On the North South axis, an undercover, open boulevard will connect the new multi-purpose pavilion on the southern end to the heart of the campus. New accessible path will also be created to improve link to the Junior School, better engagement of the younger student population with the main campus.

Hearts of school - Creation of iconic outdoor spaces, identified as hearts of the School. The existing Quadrangle has historically been a significant gathering space for Trinity staff and students. Along with the War Memorial Chapel and Headmaster's Residence, this historical precinct will be preserved and enhanced to be the cultural heart of the campus. The "Agora" will be the crossroads for the campus to give rise to a new activated social civic heart to Trinity. The Performing Arts precinct will have its own heart to support co-curricular offers at the School.

Precincts - Three new precincts are proposed,

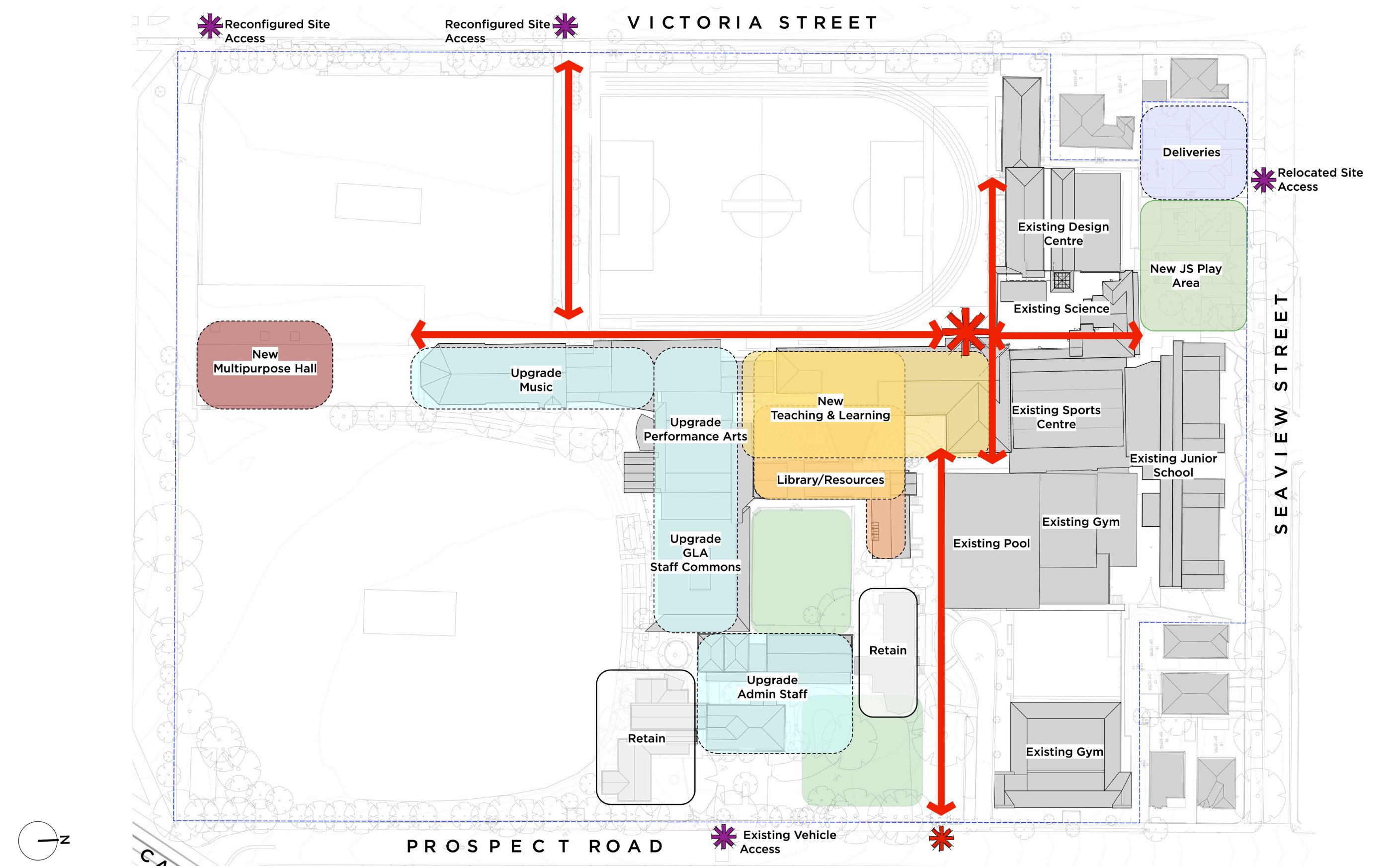
- 5 storey Teaching & Learning Precinct at the centre of the campus,
- 5 storey Performing Arts Precinct infill building to the south connecting to existing facilities and
- Multi-purpose Pavilion to the far South fronting Yeo Park.

Circulation -The "Arrow Building" is an external walkway structure which connects both new precincts and existing buildings, improving circulation horizontally and vertically. The Arrow will be a major circulation and dispersment solution. It will provide opportunities for elevated outdoor learning support and passive recreational spaces as well as improving visibility and supervision.

Green Fields - Provide functional connections between the ovals to eliminate disconnect across the campus and allow for opportunities for activated outdoor environments.

These major strategies will resolve existing circulation and connection issues across the site and in conjunction with spatial planning will be able to achieve the goals set out in the brief

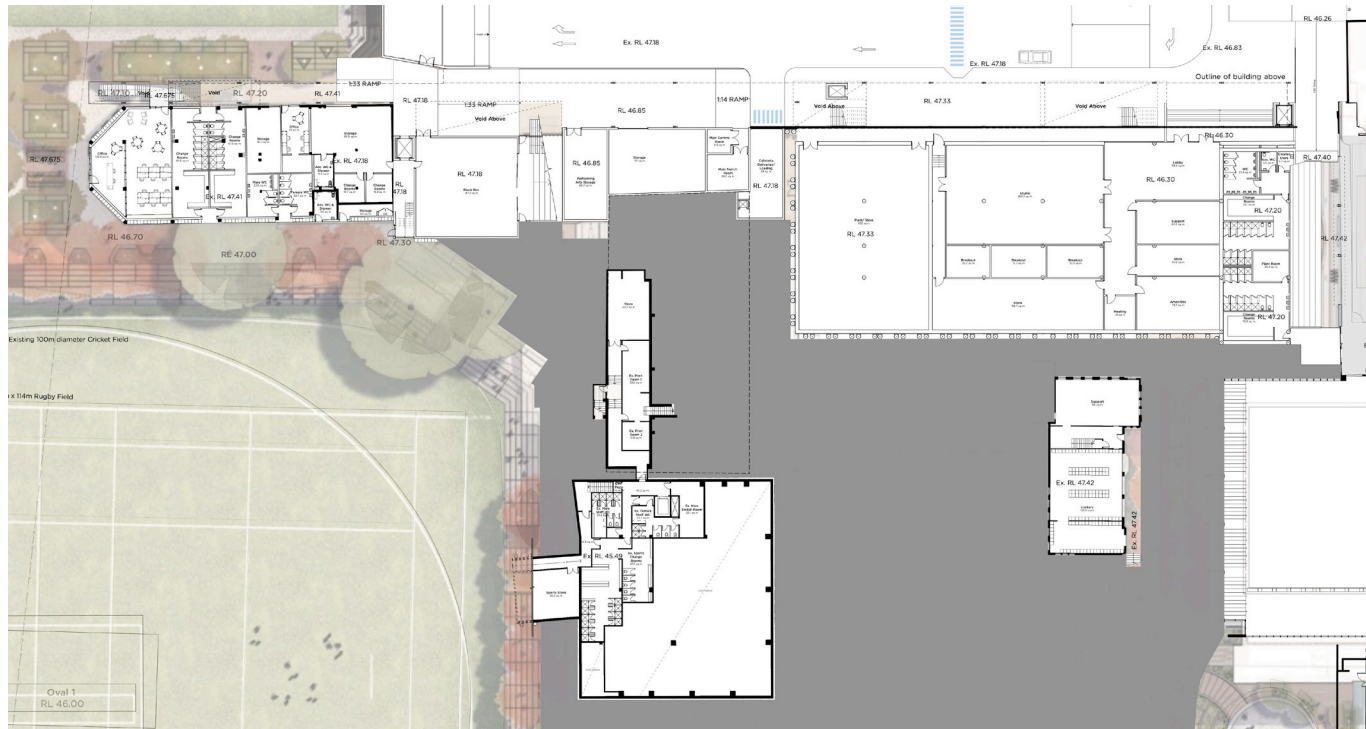
PLANNING STRATEGY



SITE PLAN



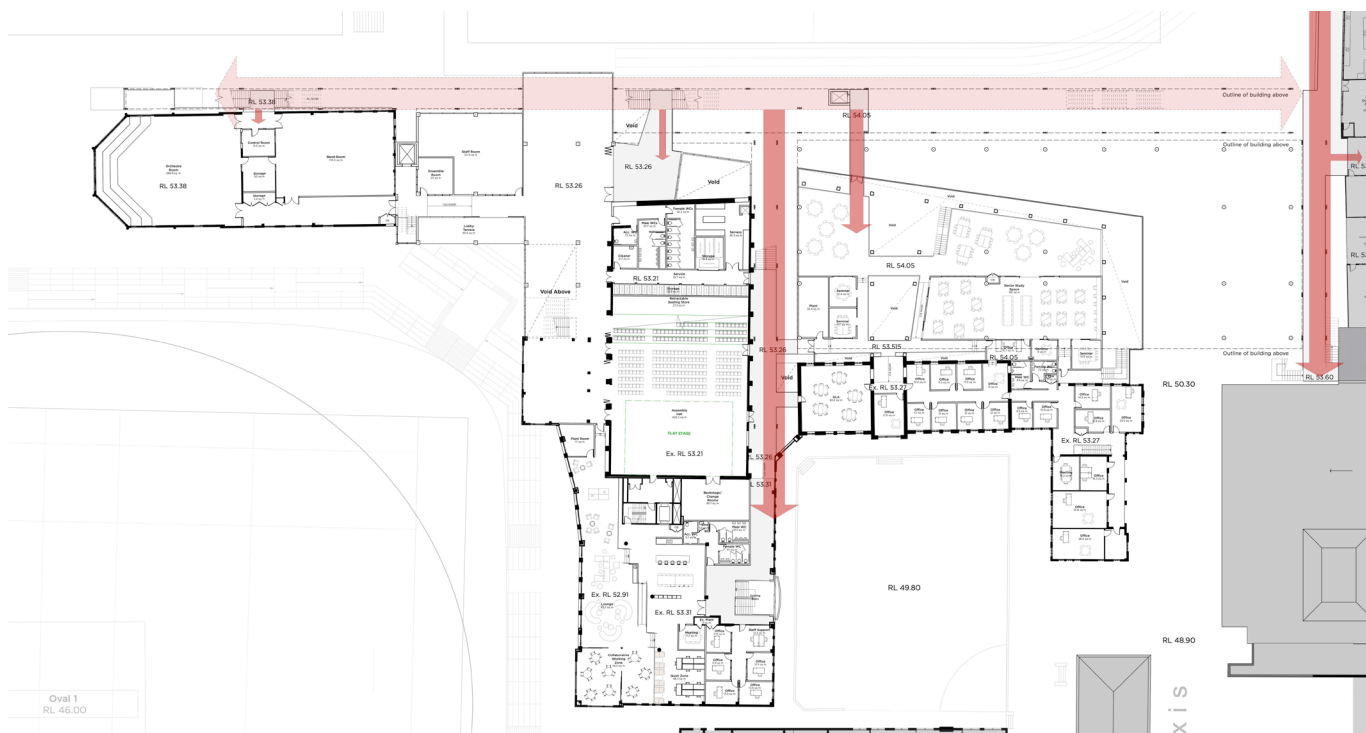
DIAGRAMMATIC FLOOR PLANS



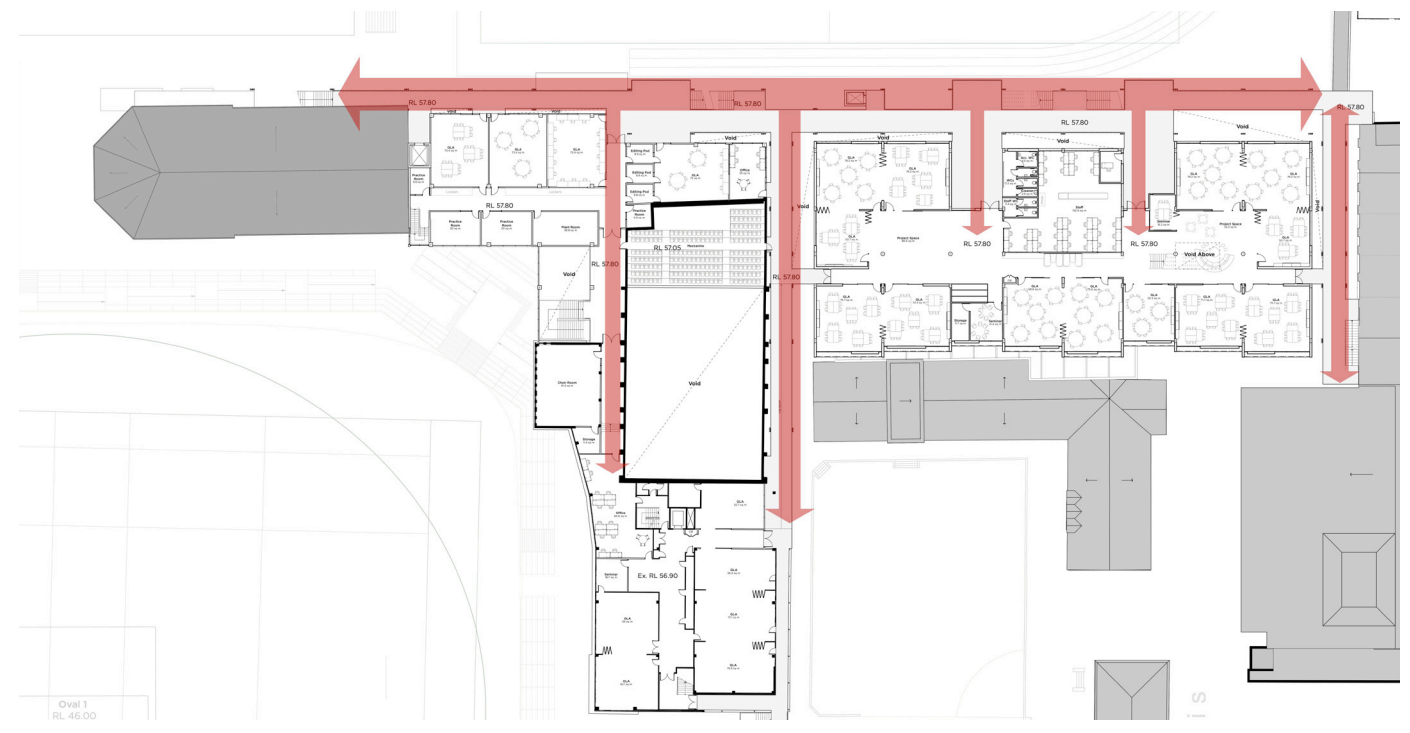
Basement One



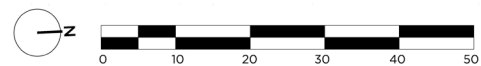
Ground floor



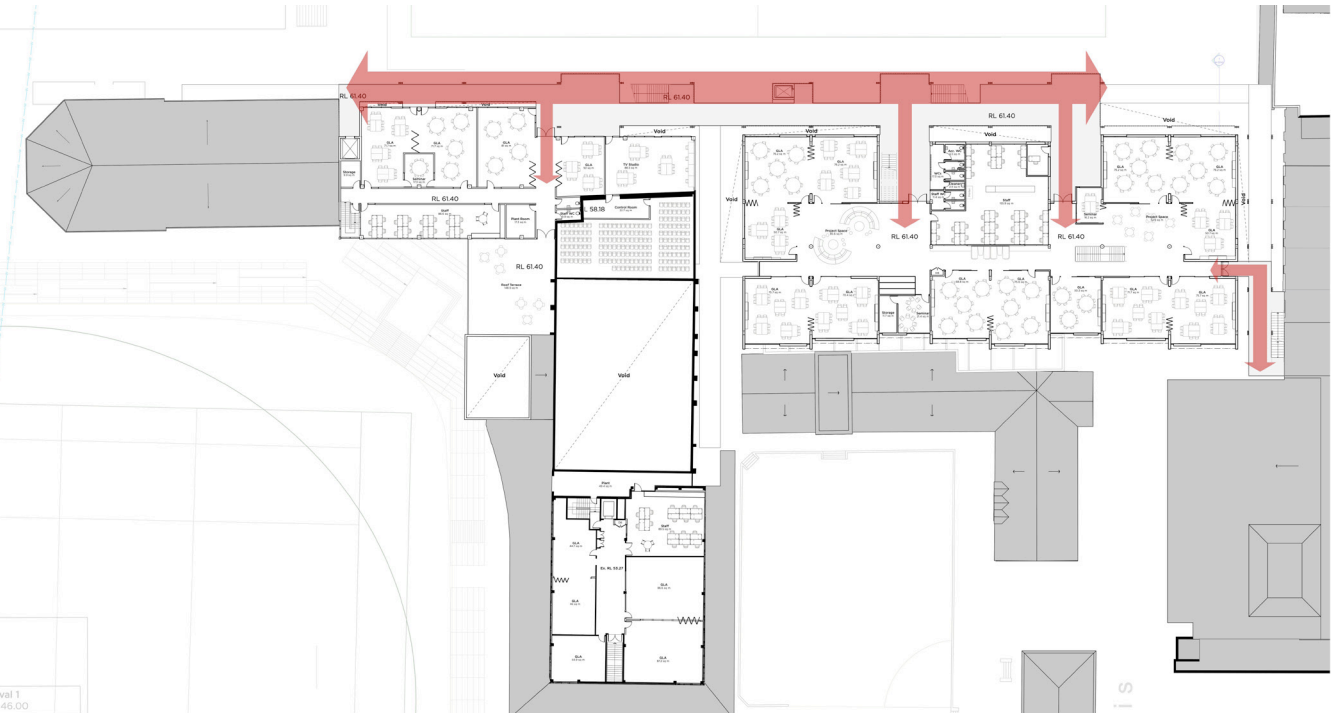
Level One



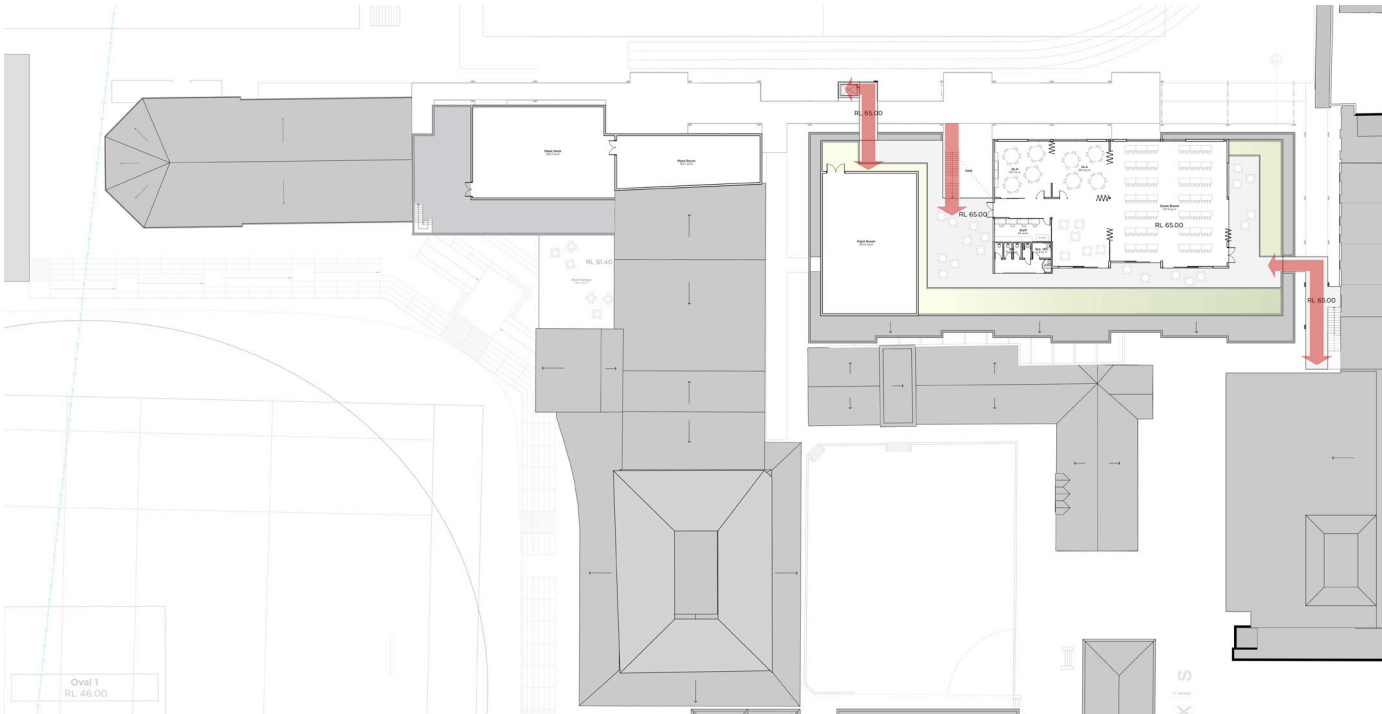
Level Two



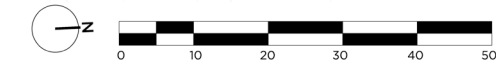
DIAGRAMMATIC FLOOR PLANS



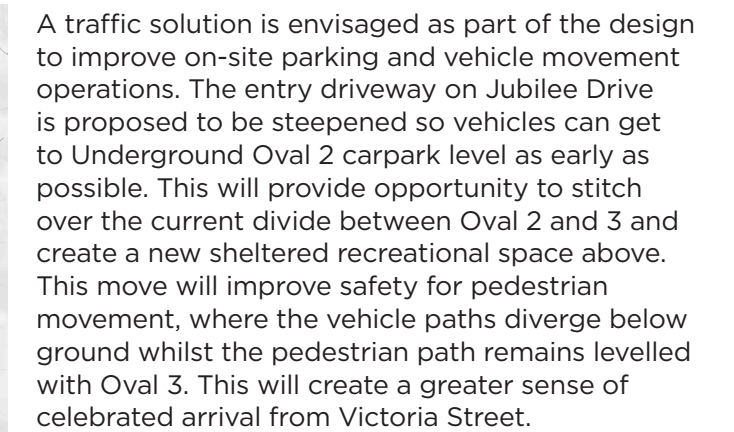
Level Three



Level Four



Renewal Project Gross Floor Area Calculations				
	Demolition (sqm)	Existing (sqm)	New (sqm)	Refurbish (sqm)
B2	0	4,484	0	680
B1	525	5,254	2,380	735
L0	1,210	6,589	1,460	2,297
L1	2,050	3,788	1,345	2,410
L2	0	258	2,310	1,026
L3	0	0	2,270	465
L4	0	0	570	0
Total (sqm)	3,785	20,373	10,335	7,613

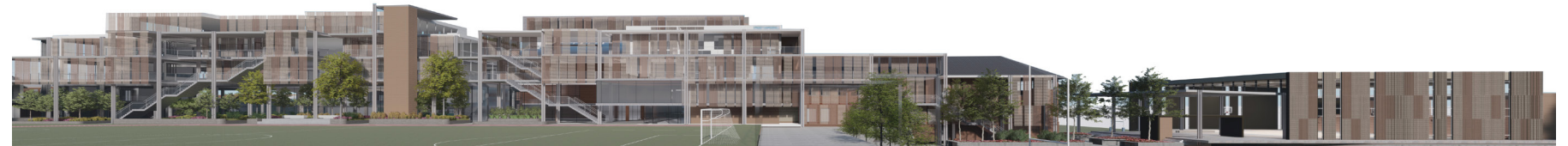
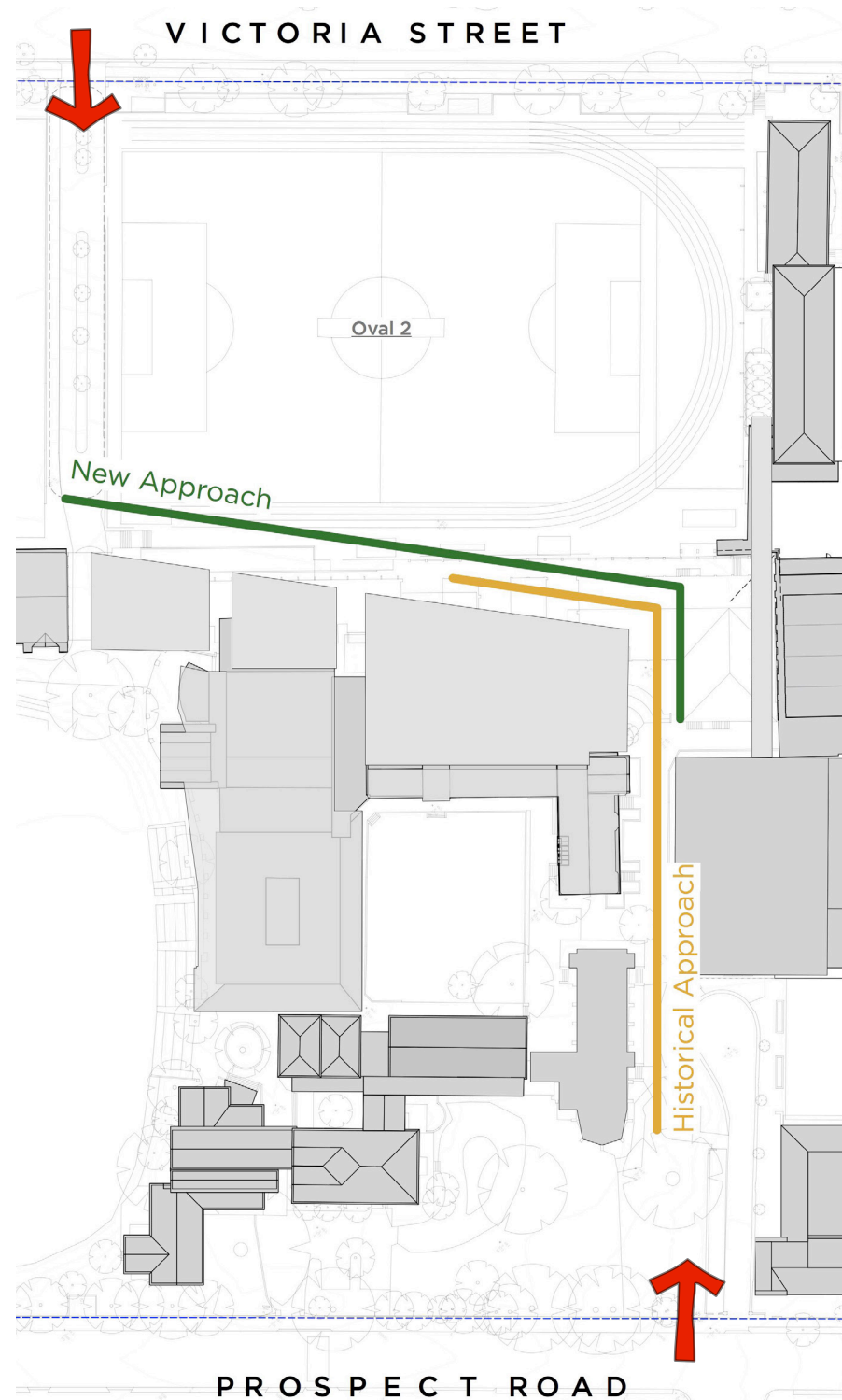


New car parking facility is proposed under Oval 3. It will be connected to the existing Oval 2 via an underground corridor along the western edge of the new buildings. It is envisaged this corridor will double its function as a service corridor, connecting and servicing different precincts across the campus.

	Existing No's	Proposed No's
Parking Spaces	306	314
Accessible Spaces	6	7
Total Carparking Spaces	312	324

Refer to Traffic Report prepared by TTM consulting for details.

DESIGN APPROACH



New Approach

The agora will be the new civic heart for the campus, it is the convergence point for the old and the new.



Historical Approach

When considering the exterior architectural approach, it is acknowledged that the school has a number of historically iconic building which are detailed in sandstone and brick. More recent developments has tried to imitate this, resulting in a range of brick buildings in various details.

The architectural approach of the renewal project was not to emulate the old. The new developments are allowed to be new, in a way which will subtly draws the key characters of the campus but allows 'the old be old'.

The "Agora" will be the civic heart where these strong circulation paths converge to give raise to a new activated social heart to Trinity. The "Agora" will also be the new arrival point for visitors coming from the underground carpark, solving way finding issues the school currently suffers.

PROPOSED DESIGN - NEW APPROACH



View From Victoria Street Entry

The western facade - Arrow building will be the new face and approach to the school. It serves 2 main functions, 1 - major circulation route with clear visibility and 2 - Screening against the western environment conditions.

The form of the Arrow building steps in and out in plan, creating walkways and social areas which in turn, creates a dynamic profile facing west, reducing the appearance of bulk and scale. Undulating perforated metal screens set in an irregular rhythm are proposed to shelter the façades of the learning spaces beyond. The undulating form and lightness in materiality is a new element introduced to the existing campus aesthetic, but as a nod to the existing characteristics, a variation of champagne / bronzed toned panels provides a references back to the variegated brick and sandstone character of the key iconic buildings on site.

The arrow building extends across the new proposed Teaching & Learning Precinct, Performing Arts Precinct and refurbished Music Building. It provides a refreshed facade to the existing buildings and unifies the western frontage appearance.

Key elements on the western frontage are given a contrasting treatment. These elements becomes key places makers along the frontage and breaks up the scale of the overall appearance. Greenery is incorporated to ground the development and provide sheltered environment for outdoor use.

The new Multi-purpose Pavilion will provide the school a much needed internal games space with spectator seating and supporting amenities. The planning places spectator seating and amenities to the south, championship sized basketball court

running east-west which opens up towards to school facing North to an undercover outdoor podium. The strategic planning allows for the reduction in building bulk towards Yeo Park, and creates sheltered outdoor opportunities that participates with the campus and buildings beyond. The planning will better manage the level difference between Ovals 1 and 3 by providing outdoor recreation area which transforms into terrace seating. The MPH will reference the main development in its appearance, with similar toned wall finishes in a combination of masonry and undulated profile wall finishes.

PROPOSED DESIGN - NEW APPROACH



View From Oval 3

The goal for the new architectural expression is to create a strong identity for Trinity Grammar School that is contemporary, vibrant and dynamic. Movement and activities will be on display, activating the western frontage.. The bulk of the 5 storey height is at the centre of the campus, where the highest point of the currently building is located. The height reduces as the development moves to the edges, which reduces the bulk and visual impact.

PROPOSED DESIGN - PERFORMING ARTS PRECINCT



View from Oval 1

Facing Oval 1, the new Performing Arts Precinct infill will connect existing Music Building, Founders Building and Assembly Hall. This proposal will allow the performing arts facilities to be consolidated into one precinct providing a strong presence for the department. The new infill will house a black box theatre and seating hall on levels B1 and ground, Levels 1 and 2 houses the new assembly hall lobby and mezzanine to service existing refurbished assembly hall. The Assembly hall lobby can function as an event space for school activities which overlooks oval 1 and oval 2. Level 3 will consist of general learning spaces with opportunity to open out to a roof terrace.

Existing Music building and Assembly Hall will be upgraded to improve functionality, access and supervision. The new infill will provide the precinct

a much needed presence and better connect to the outdoor environment.

The existing Music building and Assembly Hall will be upgraded to improve functionality, access and supervision. The new infill will provide the precinct a much needed presence and better connect to the outdoor environment.

On the ground plane, the existing cafeteria offering will expand, with improved accessible connections linking oval 2 and oval 1 to complete the goal of making the whole campus accessible and improve the linkage between the green fields. The dynamic landscape treatment will provide opportunities for outdoor areas supporting learning, social and co-



Assembly Hall Lobby View

curriculum activities.

The infill building will be a combination of glazed façades and neutral toned screens, to lightly connect to the adjacent existing masonry buildings.

PROPOSED DESIGN - EASTERN FACADE



View of Tower Building and new Teaching and Learning



View from Prospect Road entry

On the Eastern frontage, the teaching and learning precincts sits against the quadrangle as a backdrop. The building form steps back at level 4 to ensure minimal encroachment into the culturally significant Quadrangle Courtyard. Landscaping will be proposed at the perimeter of level 4 to further minimise impact and soften the edge treatment.

The architectural approach to this facade is to let the heritage elements of the campus take centre stage. The same undulated screens in neutral tones are proposed to create a subtle backdrop to the quadrangle building. The Quadrangle building will be refitted internally and connected to the Library and Learning Commons on the first 2 storeys. Intervention to the Quadrangle building is proposed through the Tower block to create a new entry to the Library, which provides another key connection between the historical precinct and the new development. An upgrade to existing glazing is proposed to bring them up to current standards.

PROPOSED DESIGN - SEAVIEW STREET



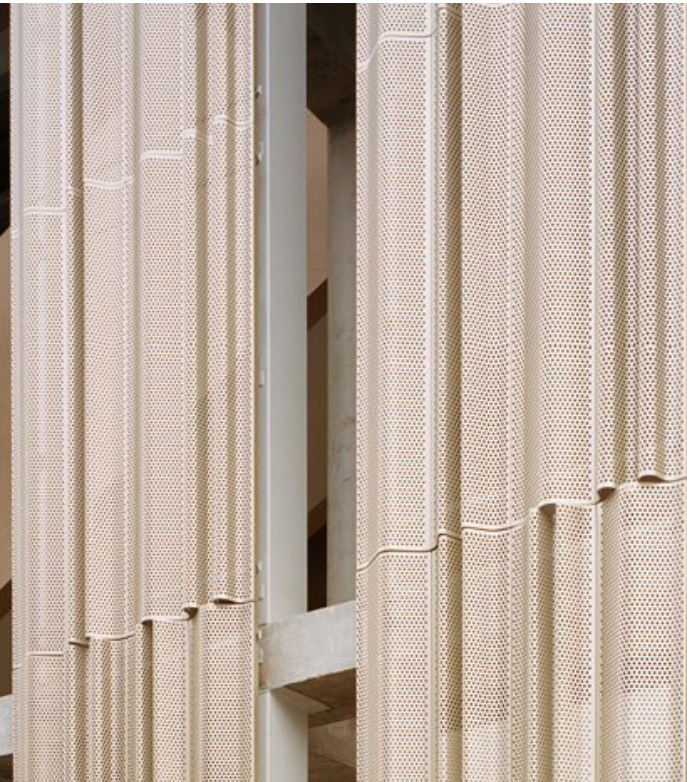
Part of the Renewal Project work includes the demolition of the School-owned residences at 46 -52 Seaview Street to create a service, maintenance and delivery area on Seaview Street and provide an improved outdoor recreation area dedicated for Junior School students.

This part of the work would include a new 2 storey maintenance building with under-croft workshop space, reconfiguration of vehicle access for deliveries and maintenance.

The Junior School outdoor recreation area would include a variety of outdoor play spaces, breakout arrangements and a great amount of landscaping to provide shaded areas for the boys and improve the visual appeal of the delivery area from the street.

The proposal also includes improvements to accessibility and movement across the School by upgrading the current path from the underground car park through to the Junior School to improve the path for visitors and allow for small service vehicle to traverse.

PROPOSED MATERIALS



Metal Perforated screens



Feature Colours



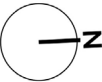
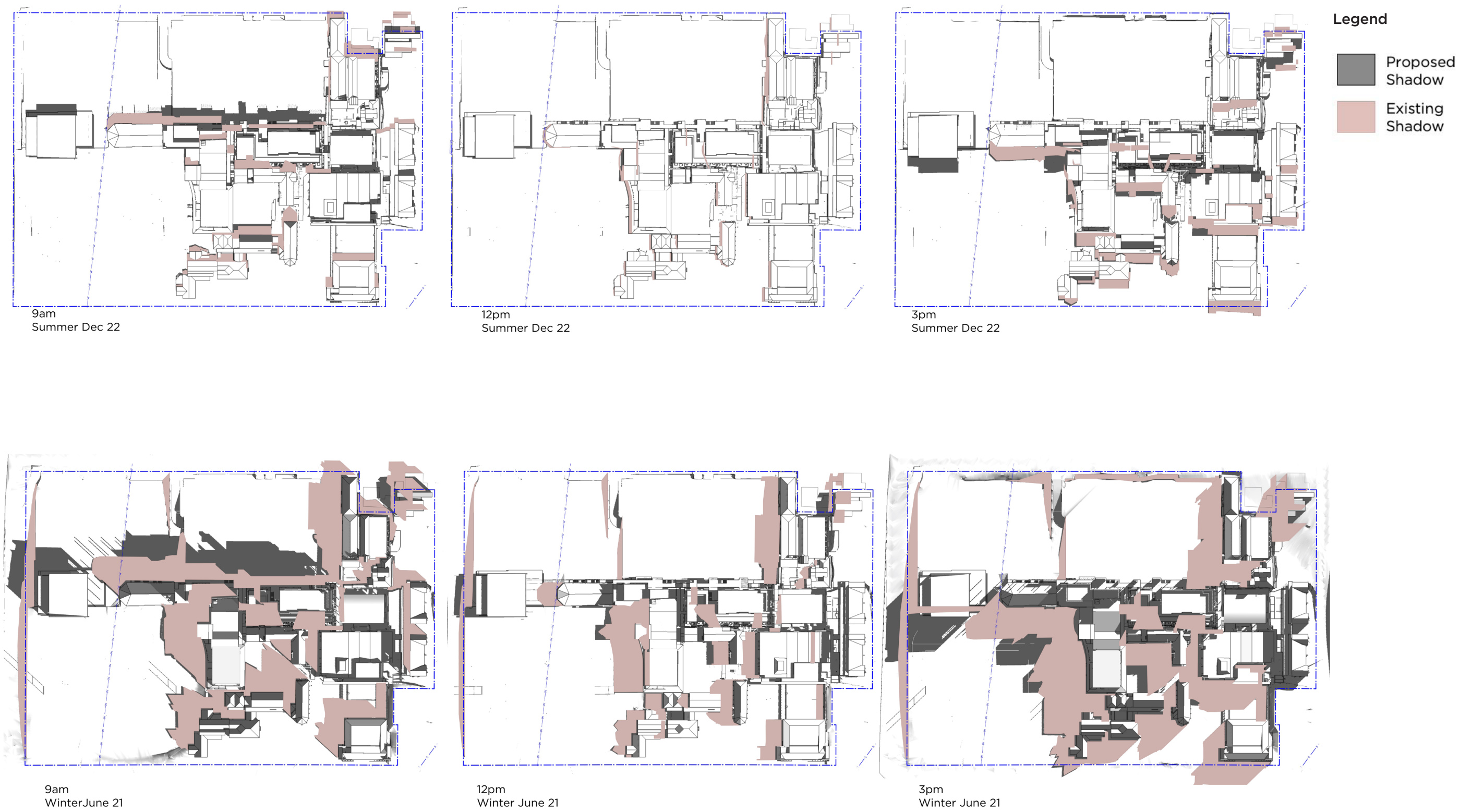
Expressed Structure



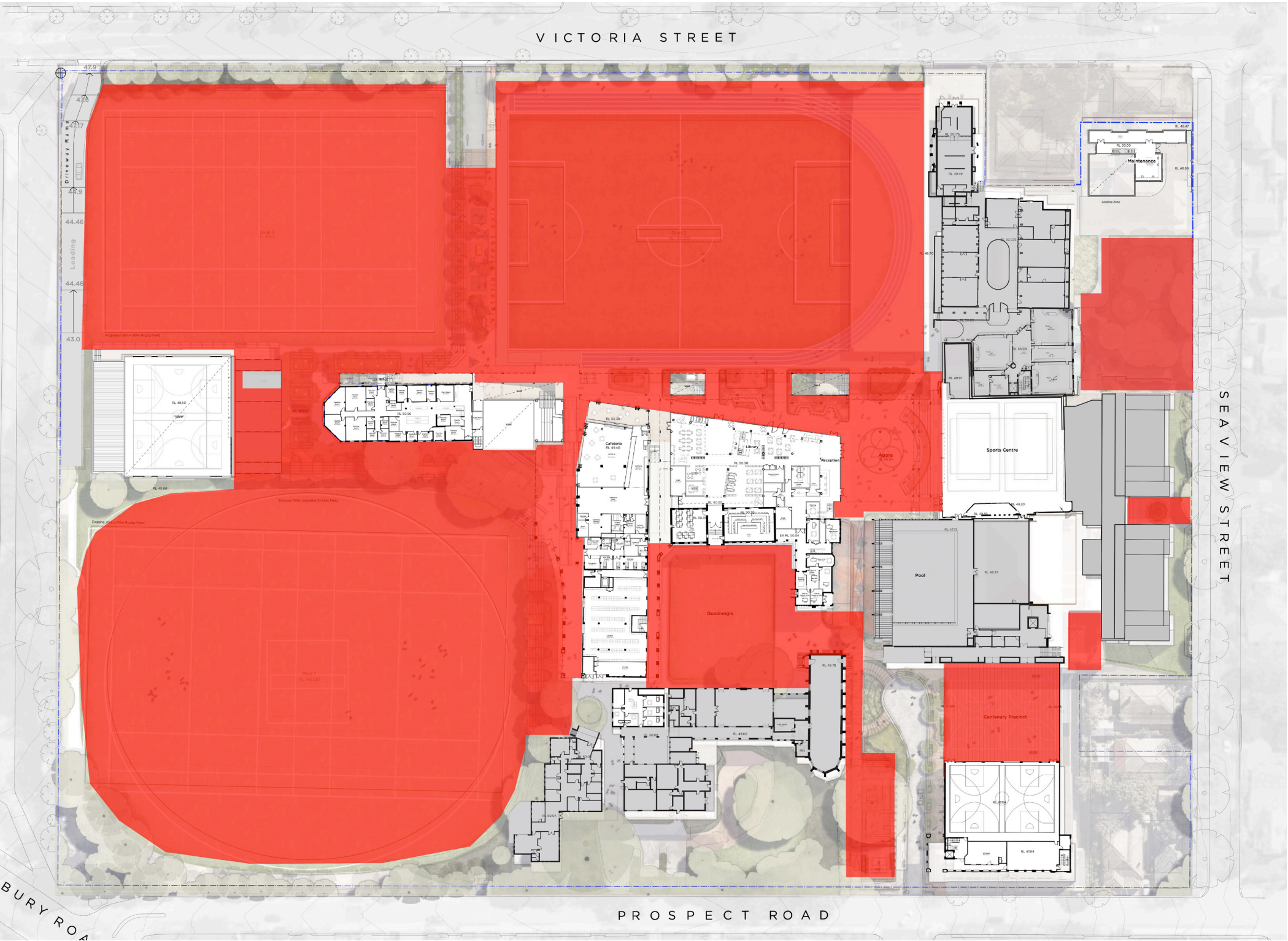
Brick



SHADOW ANALYSIS



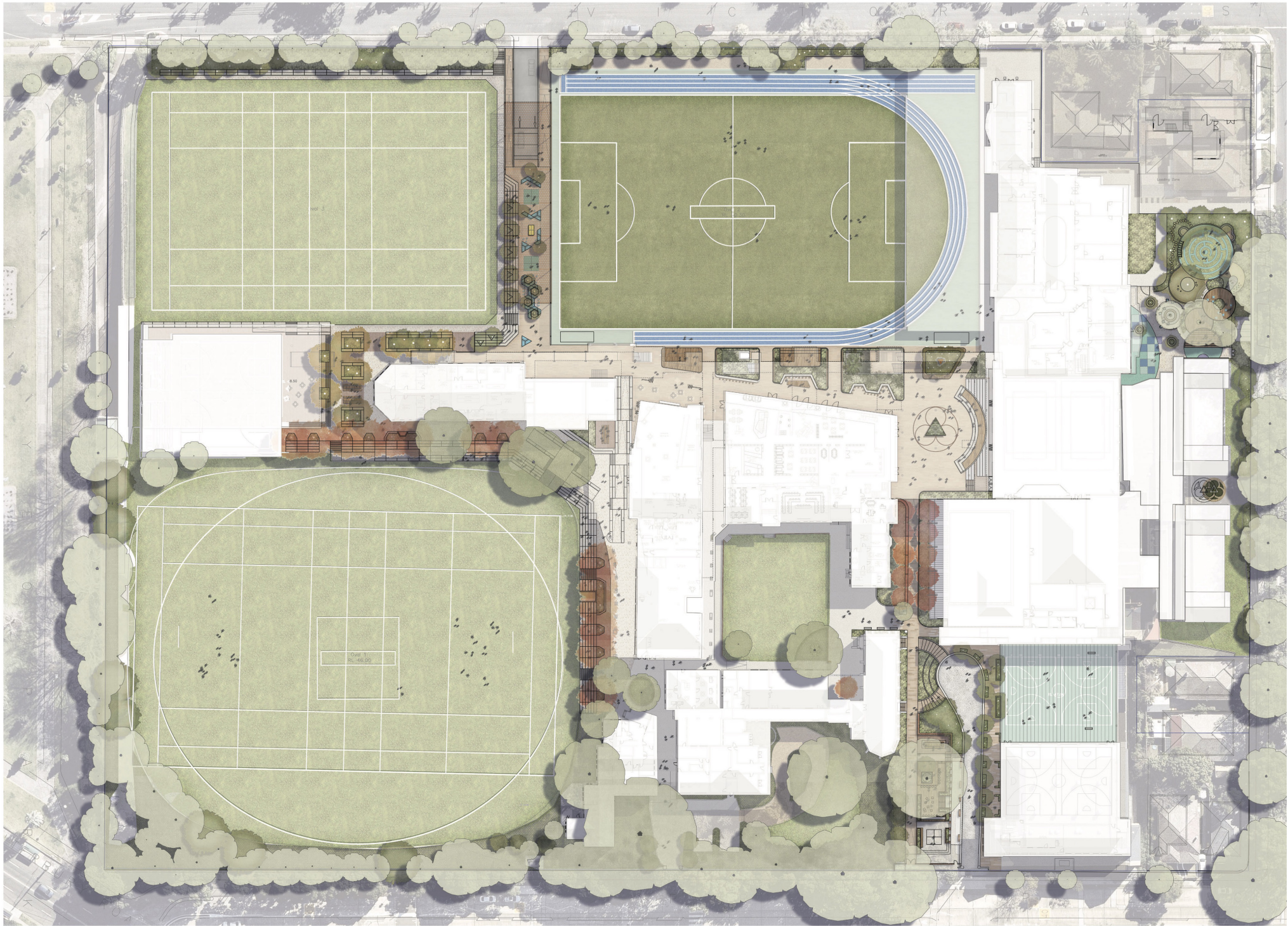
PLAY AREA / OPEN SPACE



Open Space: - 39,000 sqm
Student Ratio - 39,000/2100 = approx 19 sqm/child

PROPOSED LANDSCAPE DESIGN

Master Plan



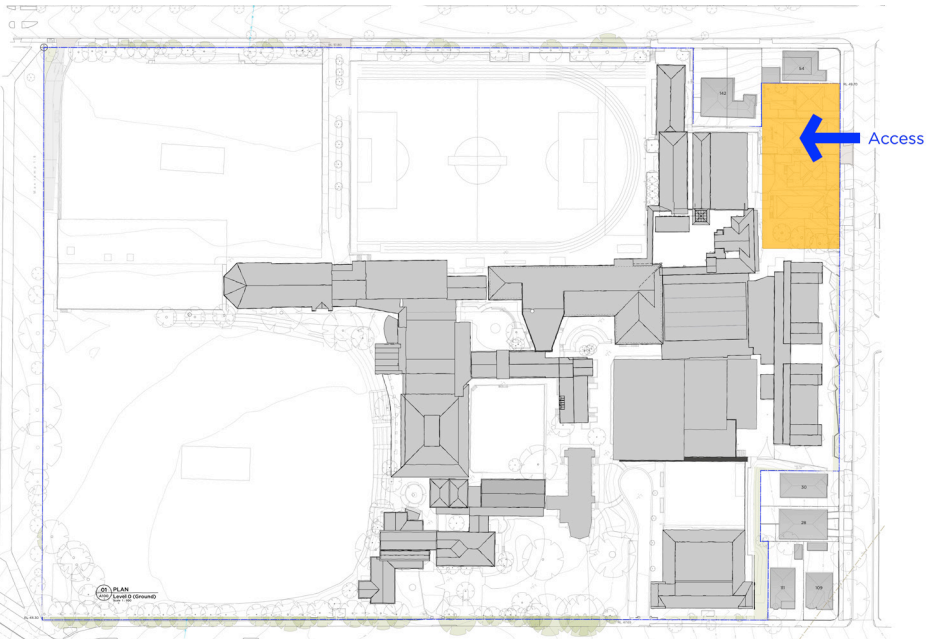
The landscape design for the Trinity Grammar School Summer Hill campus is driven by an integrated vision of student development and education, where the Mind, the Body, and the Spirit are equally nurtured.

A holistic view is taken to:

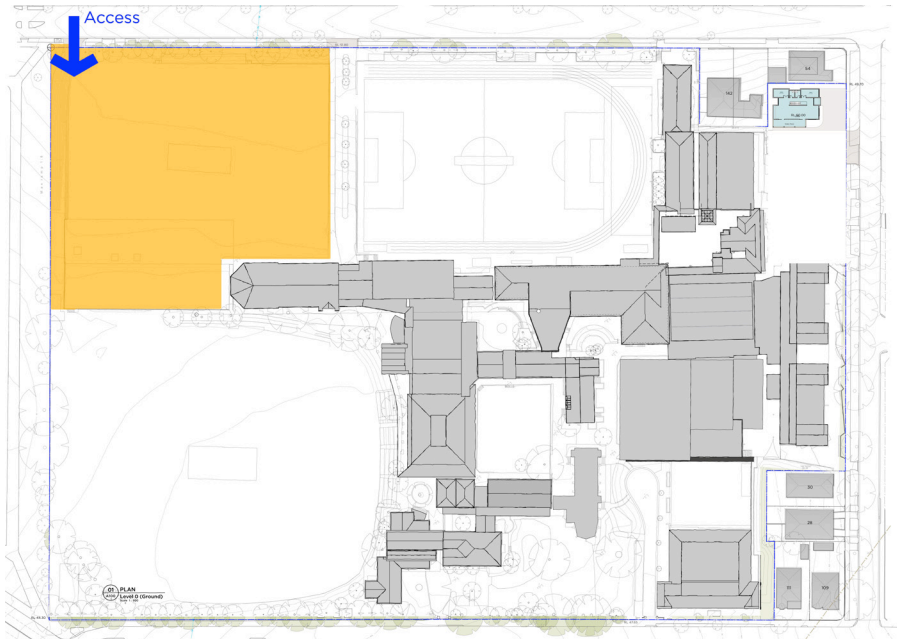
- Create harmonious connection between historical campus and new additions
- Improve campus legibility and circulation
- Provide greater amenities fit for purpose
- Strengthen landscape character
- Create sense of arrival

Please refer to the landscape design report prepared by Arcadia for landscape design solutions.

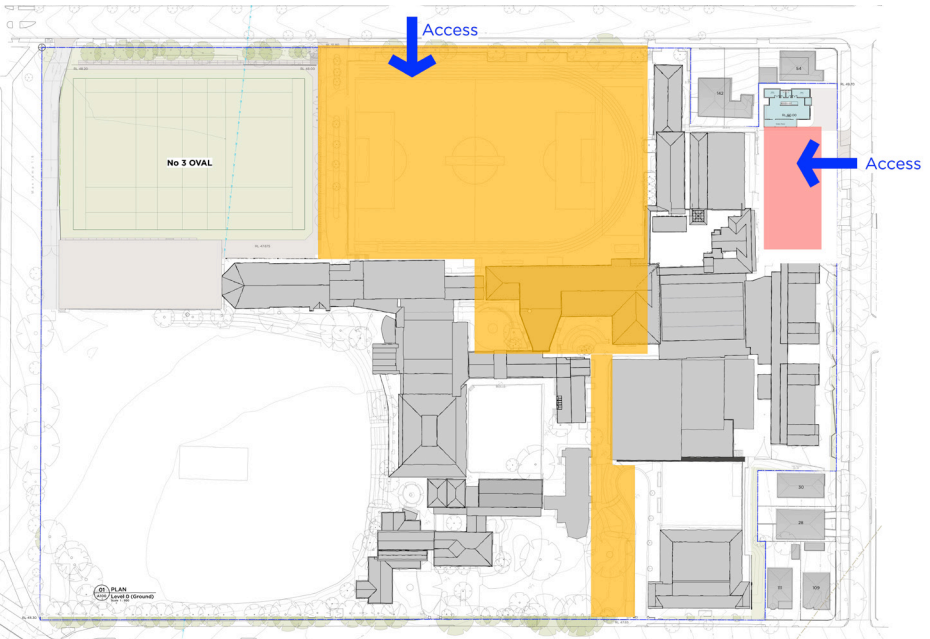
PROPOSED CONSTRUCTION STAGING



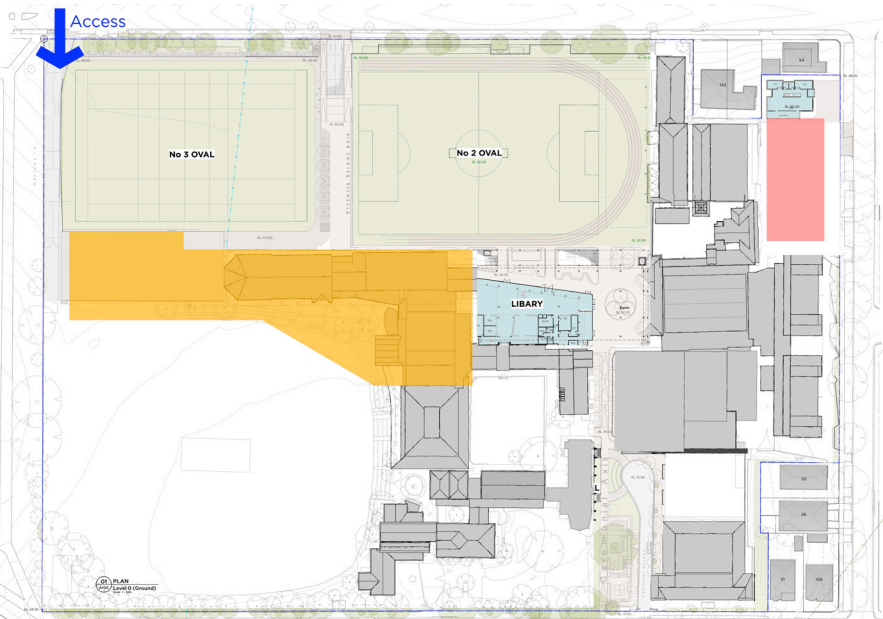
Stage 1:
Seaview Demolition, Maintenance building and hard stand (No Junior School Landscape)



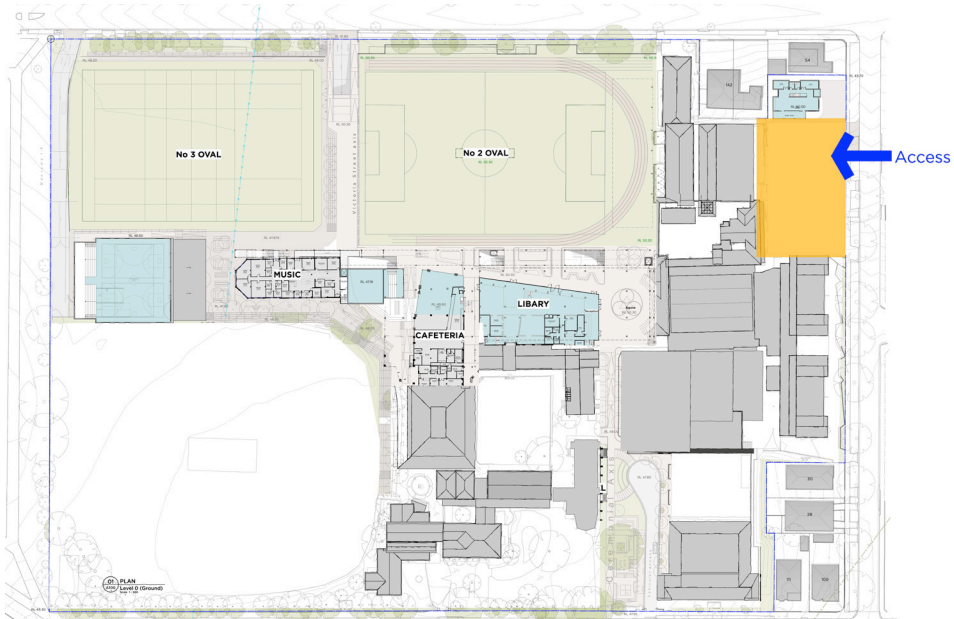
Stage 2:
All works associated with Car park under Oval 3 including new main driveway near Yeo Park entry and podium only to Multi-Purpose Building.



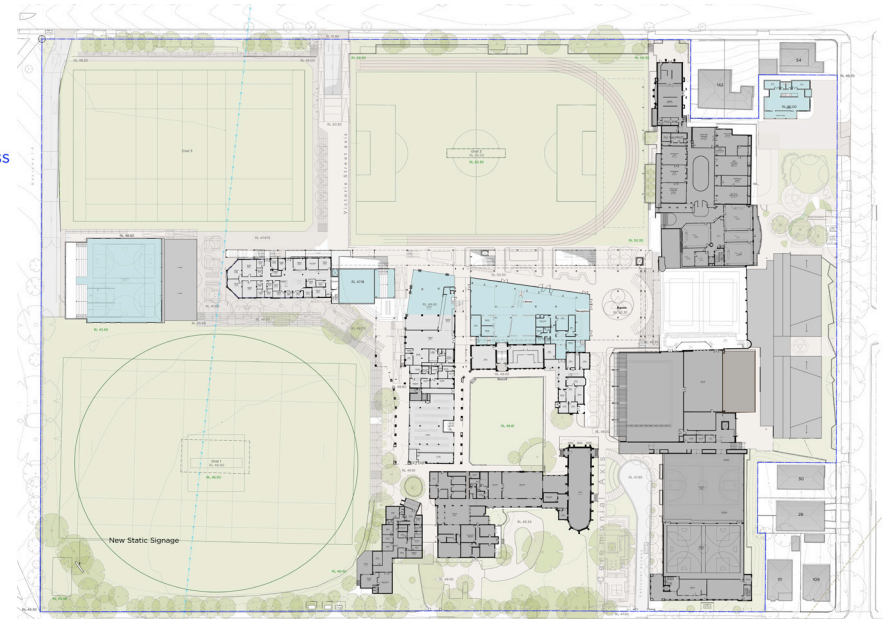
Stage 3:
Temp classrooms to Seaview. All T/L works including demolition and construction of new T/L building and final works to Car park under oval 2 plus Prospect road landscape Solution.



Stage 4:
All refurbishment works to Music and performance areas within existing buildings and associated external works.



Stage 5:
Temporary classrooms removed and final Seaview solution including Junior School Landscape completed.



Stage 6:
All remaining minor works and refurbishments

- Construction Site
- Temp Building Site

EDUCATION SEPP DESIGN QUALITY PRINCIPLES

1/ Context, built form and landscape

Objective: BETTER FIT

The Trinity Grammar School campus is surrounded mostly by R2 Residential lots which are also in the Heritage Conservation zone. A number of sites in close proximity are heritage listed, such as Yeo Park. Whilst the Campus itself is not in the heritage conservation zone, it is identified as a heritage list site due to the Headmaster's Residence and Chapel on site. These conditions has been considered in the site planning and architectural approach of the Renewal Project.

The main development for the Renewal Project is strategically located at the centre of the campus. The developed is nested between existing major sports fields and existing buildings, one of which is the Assembly Hall building, which is the tallest on site. The intention is to develop the main bulk of built form at the centre of the site, and allow the edges to step down in a wedding cake effect, thus minimise visual and overshadowing impacts.

The siting of the new development allows for a planning solution to improve connection of all new and major existing learning precincts on site, which currently is not possible due to the 'ad hoc' nature of how the campus was developed over time.

Other developments for the Renewal Project are all contained at the centre of the site, with the exception of -

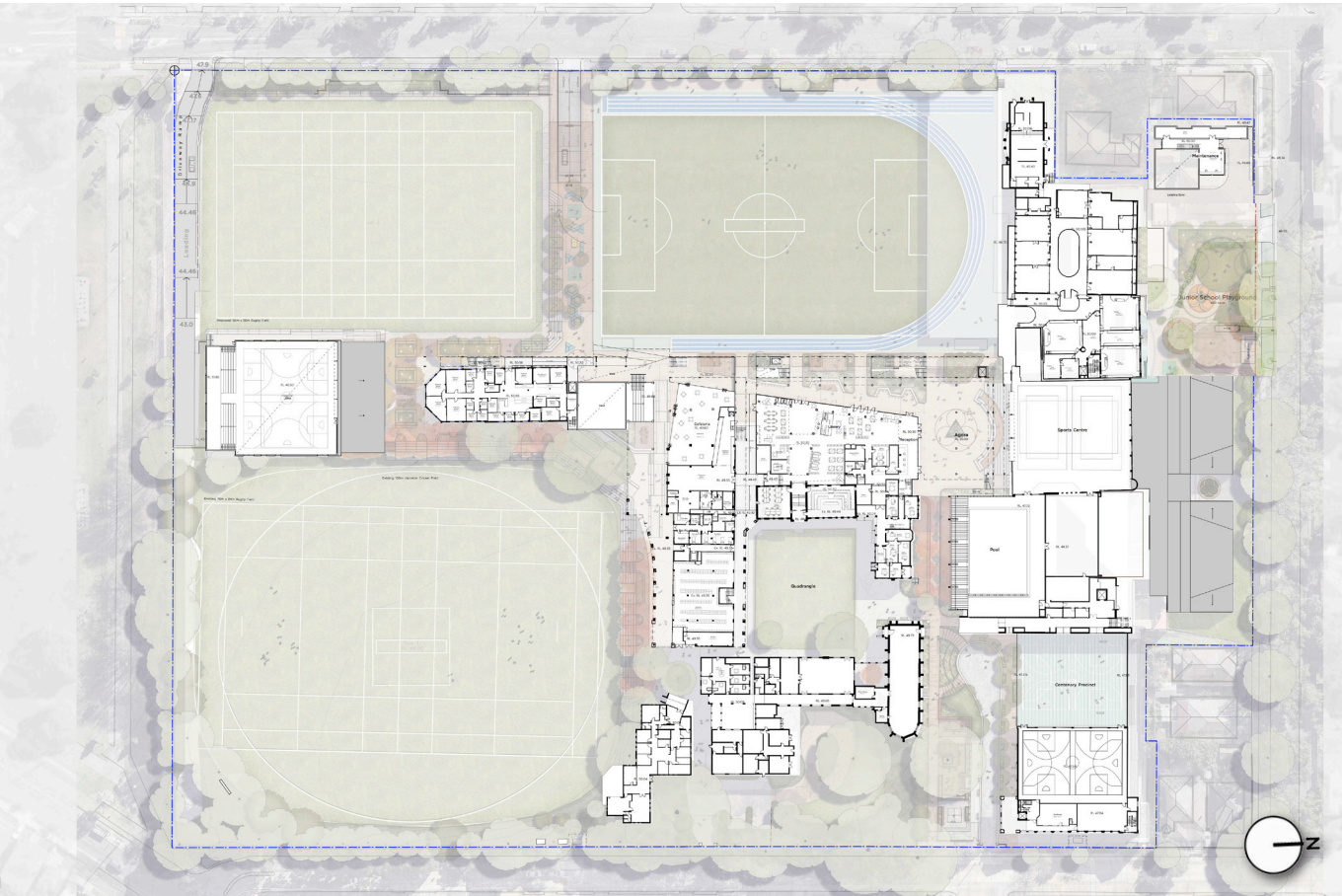
- Multi-purpose Pavilion - 9m setback is proposed from Yeo Park boundary and is strategically configured so the spectator seating zone, which demands for lower height clearance, is positioned at the boundary. This allows for the bulk of the development to be reduced when viewed from the Park.
- Seaview Maintenance + Junior School Recreational Area - Proposed Maintenance Building will be present itself as a two storey building, set back from Seaview Street boundary. Consideration are taken into account of the typical Seaview street character and appropriate scale and form is developed so the stand alone building will be complementary.

The new Junior School recreational area will be integrated into the Seaview Street frontage so a 'suburban' approach will be presented. New connection from the main campus to Junior School is proposed to better connect the different precincts.

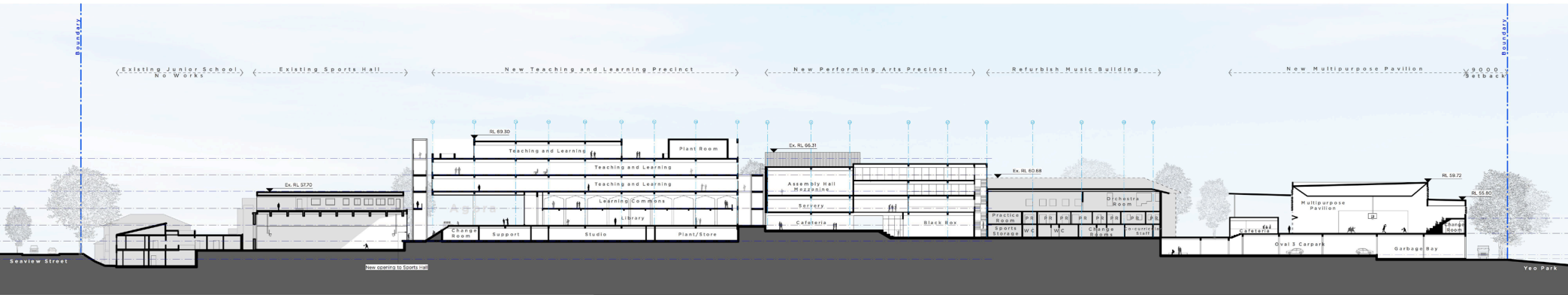
Aesthetically, the architectural approach is to 'let the old be old'. Thus by proposing an architectural language that is contemporary but sympathetic to the heritage elements on site, allows the new development to express the growth and progression of the school whilst allowing the heritage of the School to be celebrated.

The strategy of creating learning precincts provides opportunities to create a much needed sheltered recreational areas. Landscaping is used to enhance the educational and recreational opportunities on the site as well as being a device to ground the building in the existing context. Different characters and functions of each outdoor precinct is expressed throughout the landscaping treatment.

Level 4 on the Teaching & Learning Precinct will be heavily landscaped as a means to create green roof and provide softening buffer at the edges of the built form.



Proposed Landscape Concept



Proposed Site Section

2/ Sustainable, efficient and durable

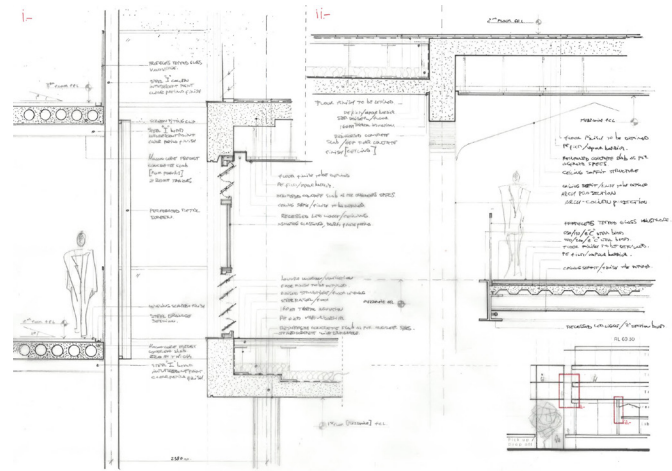
Objective: BETTER PERFORMANCE

The new developments in the Renewal Project orientates East-West as a result of the inherent campus context. The strategy to extract main circulation path on the west, providing an external walkway is a means to provide efficient response to mitigate environmental conditions. The Arrow Building, with the shading panels which screens the length of the facade, will perform as an extended eave and shading structure to the western facade, allowing the actual building façades to have much greater glazed surfaces.

The screening acts as a break to South westerly winds and shading, and by maintaining the Arrow Building as an external, open structure, natural ventilation can be achieved in the main building footprint.

Indoor environmental quality is shown to impact learning outcomes. The shading strategy directly impacts high quality natural light (low glare), a key component of I.E.Q.

Meaningful outdoor spaces are created between the precincts and new Multi-purpose Hall. These spaces are intended to be long lasting and serve the community well into the future. A landscape suitable for the student, staff and community recreation and education needs has been considered with integrated landscape and planting solutions being key to the success of the enjoyment of these environments.



3/ Accessible and inclusive

Objective: BETTER FOR COMMUNITY

Modification to Victoria Street access will provide a welcoming arrival point for pedestrians which is separated from vehicles for added safety. This entry boulevard will lead users and visitors naturally to the ground plane, and by way of the architecture and way-finding, will guide people into the new ‘front of house’ at the Agora. For arrivals by vehicle, traffic management in the basement carpark will improve efficiency to pick-up/Drop-off zone. Generous voids over Pick-up/Drop-off path with clear vertical circulation puncturing through to major precincts will provide visual clarity and sense of arrival.

The “Agora” will also be the new arrival point for visitors coming from the carpark. Solving way finding issue the school currently suffers.

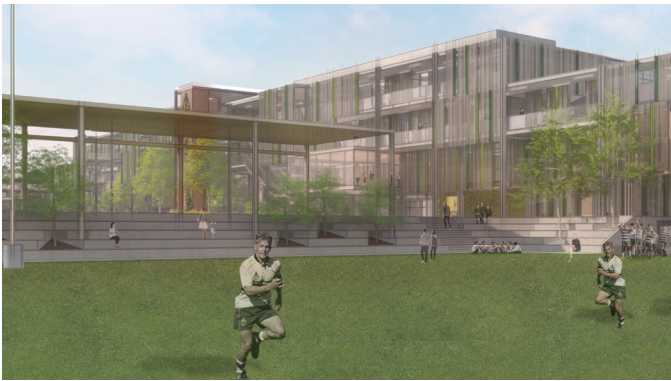
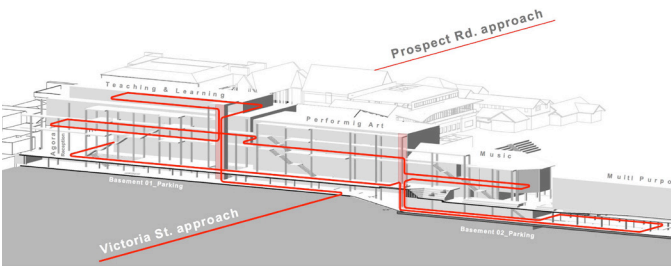
From Prospect Road, a new entry for pedestrians will be provided to align to the new agora, creating a clear and distinct journey to the reception whilst celebrating all the iconic buildings along this historical approach. The existing historically signification Chapel Gates will be maintained. Existing site security - boundary fence will remain as is, with improvement in landscaping treatment, to provide greater sense of welcome without comprising existing site security.

The Renewal Project will provide overall accessibility in the new developed precincts and improve accessibility through the campus for users of all levels of mobility. The proposal of the Arrow building is so that circulation is clearly announced and connect to various precincts of the existing campus.

Clear way-finding signage will be provided; however, the strong axis created on site, visibility to vertical circulation in the arrow building and strong identifiable precincts, will make the campus an easy place to navigate.

An integrated landscape solution is proposed so maximise opportunities for recreational and social outdoor environments to benefit all in social, play and learning settings.

EQUITABLE ACCESS FOR ALL



4/ Health and safety

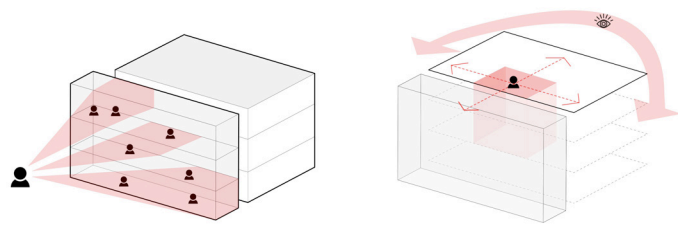
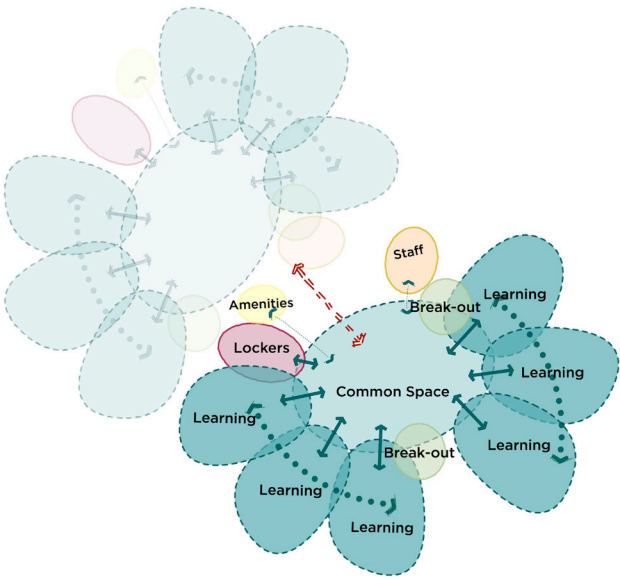
Objective: BETTER FOR PEOPLE

The exiting buildings to be demolished currently features very traditional, and restrictive cellular classrooms and corridors, with limited amenity. The Renewal Project proposal will provide contemporary and transparent spaces in a variety of settings for staff and students.

The Renewal Project has been designed to sit nestled between the ovals and existing buildings. Planning of all precincts are to maximise access to daylight and natural air. Being East-west orientation, implementation of screens to the East, and the deep, screen arrow building to the west will provide façades for environmental controls.

Safety and security are considered across the campus to ensure staff presence at all learning locations, ensuring staff presence and passive supervision throughout the campus. Increased amenity are appropriately provided for across the campus. Locations of these are strategic to support the day-to-day running of the school, as well as providing sufficient amenities for co-curriculum and community activities which are held at the school.

Modification to Victoria Street access will provide a welcoming arrival point for pedestrians which is separated from vehicles for added safety. New bike parking will be located to support safe arrival for both students and staff. Both Staff and Student end-of-trip facilities have been allowed for.



Site Wide Passive Supervision

Zoned Supervision



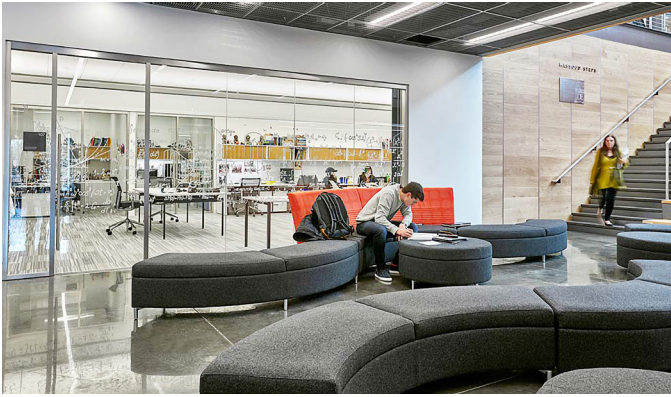
5/ Amenity

Objective: BETTER WORKING

The Renewal Project has been designed to sit nestled between the ovals and existing buildings. Planning of all precincts are to maximise access to daylight and natural air, and to have outlook to green fields.

Learning areas are planned with flexibility and adaptability in mind. Learning spaces will support collaborative learning, with the ability to be reconfigured as required by the ever evolving learning methodologies. The arrow building also acts as an extension of learning, allowing for outdoor spill-out space to support learning and recreational activities.

An integrated approach to landscape solution is envisaged to support the many important aspects of the school life. Providing places to play, warm, socialise. Soft landscaping is proposed wherever we can to increase greenery across the site.

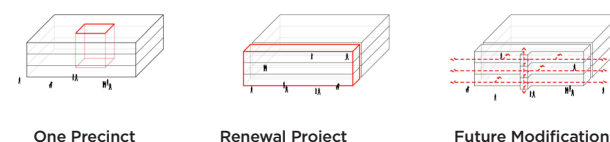
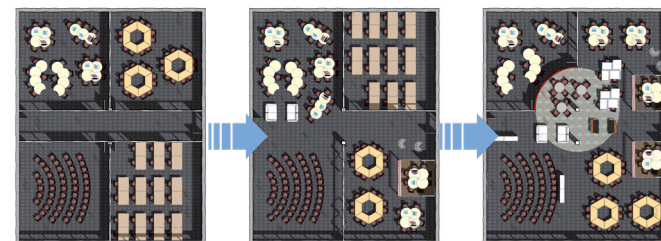
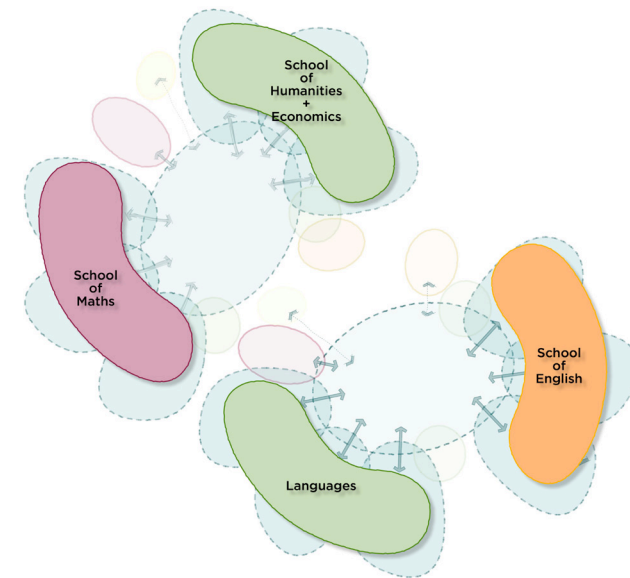


6/ Whole of life, flexible and adaptive

Objective: BETTER VALUE

The strategic and spatial planning, along with consideration of structure and sustainable measures, aim to ensure the School design offers value to students, teachers and the community by providing a flexible and adaptive environment now and in the future.

- The simple gridded structural approach ensure the spaces are large enough to offer a range of learning setting and modes to respond to the various requirements of teachers and students across all subject material and projects. A range of spaces offer flexible and agile learning opportunities to suit a range of activities.
- The framed structure and generous spans of the grid also ensure the ease to adapt the internal spaces should future needs require change.
- The design of the arrow building is structurally detached from all the main buildings. This strategic move allows the arrow building to act as a plug-on element to the buildings on site and allow them to express their own architectural character. Compositionally the arrow building is a simple column and slab structure, which can allow for simply modification should connections are required to be modified or extended in the future.
- Architecturally it is an element which can be carried into the future should the school look to expand its facilities on campus.
- Positioning the multi-purpose space to the periphery of the campus allows for breath of opportunities of various usage with minimal impact to day-to-day running of the school, or vice versa, i.e. exams, events etc.
- The screening of the facade offers control of environmental factors to reduce the impact on internal spaces, and the operability within the internal facade allows ventilation.



7/ Aesthetics

Objective: BETTER LOOK AND FEEL

The Renewal Project will enhance the overall campus aesthetic and improve the presentation to the public realm, through a design that is respectful to the context whilst presenting a contemporary, and inviting solution.

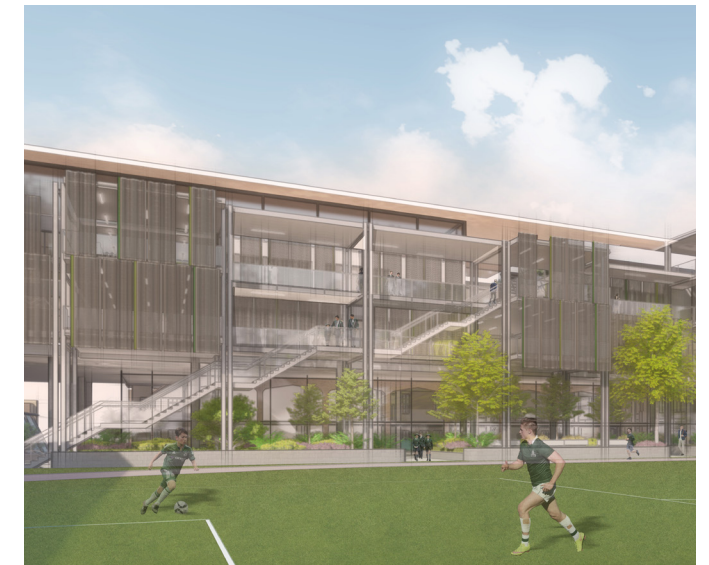
Movement and activities will be on display, activating the western frontage. Undulating perforated screens set out in an irregular rhythms, key place maker elements and the incorporation of greenery along the axis all contributes to the grounding of the new development in a way that breaks up the overall scale of the building, softens the looks of the otherwise lengthy facade. The screens offers control of environmental factors whilst creates a dynamic, yet approachable aesthetic. The selection of colour palette provides a references back to the variegated brick and sandstone character of the campus.

The bulk of the 5 storey height is at the centre of the campus, where the highest point of the currently building is located. The height reduces as the development moves to the edges, which reduces the bulk and visual impact and provides a gradation that blends into the adjacent buildings.

The architectural approach to the Eastern facade is to make the heritage of the campus take centre stage. Same undulated screens in neutral tones is proposed to create a neutral toned backdrop to the quadrangle building. Through Landscaping solution, greater appreciation and use of the cultural precincts will be made possible.

Major entries to the campus are upgraded to create inviting and celebrated arrivals. With much improved campus landscaping to provide better connections across the campus that also provide opportunities for agile and greater use.

When completed, the renewal project will improve connectivity across the campus, foster a sense of community and creating contemporary learning environment where the Mind, Body and Spirit of each Student is nurtured.



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