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Tract

**ADVERTISED
PLAN**



INDICATIVE ONLY

St Kevin's College_Glendalough

Schematic Design

December 2020

319-0457

Landscape Design Statement

The Landscape vision for the St Kevins College project is to provide integrative, active and playful outdoor spaces that complement the architectural proposal, whilst providing a cohesive landscape layer that speaks to the campus' functional requirements and environmental values.

The hierarchy and arrangement of the landscape spaces aims to provide an active and engaging setting for recreation activities, outdoor collaboration and learning opportunities.

Proposed new outdoor social spaces should allow for assembly opportunities but will also function on a day-to-day basis as play and general use areas that provide a welcoming environment to students, staff and parents.

Play and educational areas within the landscape will provide children with an opportunity to explore, co-operate, use their imaginations, grow confidence and learn important physical and social skills.

The informal sports play area will provide opportunities for sports and physical education as well as informal ball play. This area will include multiple markings suitable for various ball games, as well as opportunities for informal play and games such as four square and down ball.

In generating a design for the St Kevin's College, the following design directives and aspirations should be adopted:

- Provide a premium landscape that is in keeping with the quality of the architecture and the surrounding landscape amenity
- Ensuring outdoor spaces are flexible and multi-functional
- Integrated landscapes that support the pedagogy
- Ensure visual connections to the environment from within and through the built form to open space and landscape beyond (River Corridor)

- Ensuring selected materials are low maintenance and compliment the proposed redevelopment
- Celebrate and enhance the existing campus neighbourhood character, site conditions and existing vegetation
- Provide plant species that provide shade and shelter; that are predominantly native and require a low watering and maintenance regime
- Protect, enhance and rehabilitate the existing riparian indigenous vegetation where appropriate
- Protect any trees identified for retention
- Provision of WSUD initiatives. As well as providing water filtration, these elements provide an educational resource

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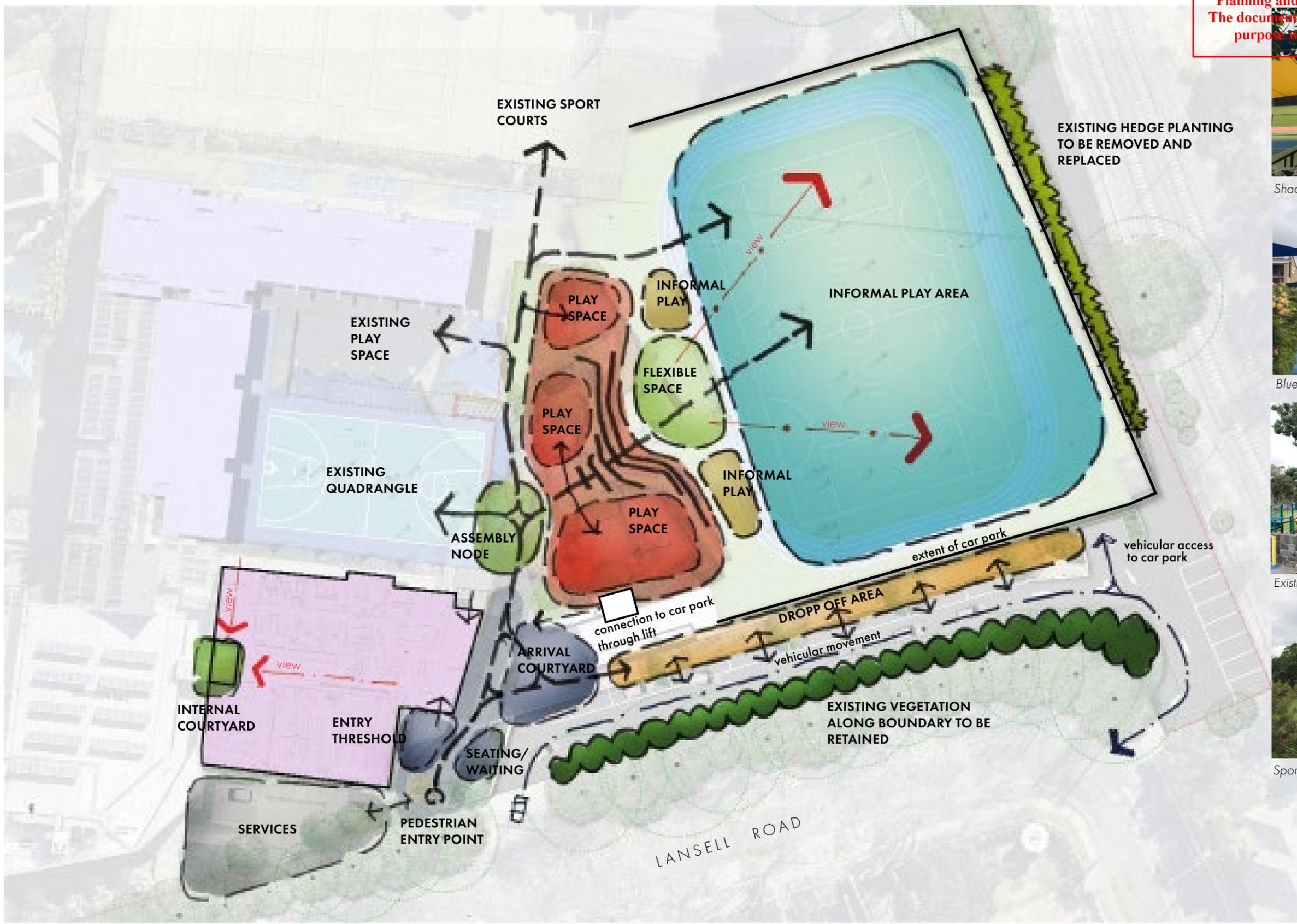
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Landscape Concept DESIGN STATEMENT

St Kevin's College, Toorak

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Shade sails



Bluestone walls



Existing tree (Desert Ash) to be retained



Sports courts / play areas



Landscape Concept FUNCTIONAL DIAGRAM

St Kevin's College, Toorak

Design Summary

The design of the landscape works aims to provide quality open space that encourages informal play and recreation activities, outdoor collaboration learning opportunities for students. Recreation and collaborative break-out learning areas are combined and integrated; these outdoor environments provide an active and engaging setting for teaching and recreation.

An important design requirement is to create a seamless connection between the building and the external spaces, in particular the new sports field to the east. Visual connection to the landscape should also be provided with views from inside the building; 'green' elements are particularly significant in creating suitable playful learning environments.

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- 1 ARRIVAL COURTYARD**
Open, inviting, meeting space.
- 2 DROP OFF AREA**
Shaded, tree lined school
- 3 ASSEMBLY & PLAYSPACE**
New playspaces integrated with seating terraces.
- 4 INTERNAL COURTYARD**
Multi-functional space for sporting and recreational activities.
- 5 EASTERN BOUNDARY**
New screen planting to eastern boundary
- 6 SERVICES**
Loading zone & DDA
- EXISTING TREE**
To be retained and protected within tree TPZ.
Refer to 'Tree Protection Site Plan' prepared by Chandler 27.08.19 and Preliminary Arboricultural Report prepared by Arbor Safe 27.06.19
- PROPOSED TREES**
Refer to Planting Schedule
- SHRUBS AND GROUNDCOVERS**
Automatically irrigated.
Refer to Planting Schedule
- HEDGE PLANTING**
Refer to Planting Schedule
- RAIN GARDEN**
Refer to Planting Schedule



Landscape Concept_SITE PLAN

St Kevin's College, Toorak

Planting within sight line triangles to have a maximum height of 500mm above the road pavement to maximise views

Arrival Courtyard

The 'Arrival Courtyard' will be the main entry point of the school for students and visitors. This area will be welcoming with the look and feel of an urban town square, with high quality materials and feature soft landscape treatments. It will be a flexible space suitable for a variety of uses including:

- Main entry school and new building
- Spill out zone
- Drop off transition area
- Social space

Design principles:

- High legibility including directional guidance and wayfinding
- Formal language with high quality materials
- Provision of seating and furniture
- Provide trees and vegetation for shade
- Flexible space designed for a variety of uses
- Equality of access and inclusive design



Legend

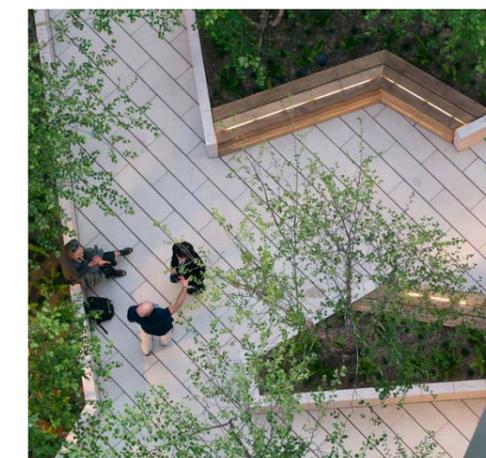
1 PAVING

Directional paving gesture to define spaces and circulation.



2 RAISED PLANTER

Raised planter with integrated timber seats



3 SEATING

In situ concrete wall with timber batten seating elements



SU-01 LANDSCAPE TREATMENT CODE

Refer to hard and soft landscape materials palette for

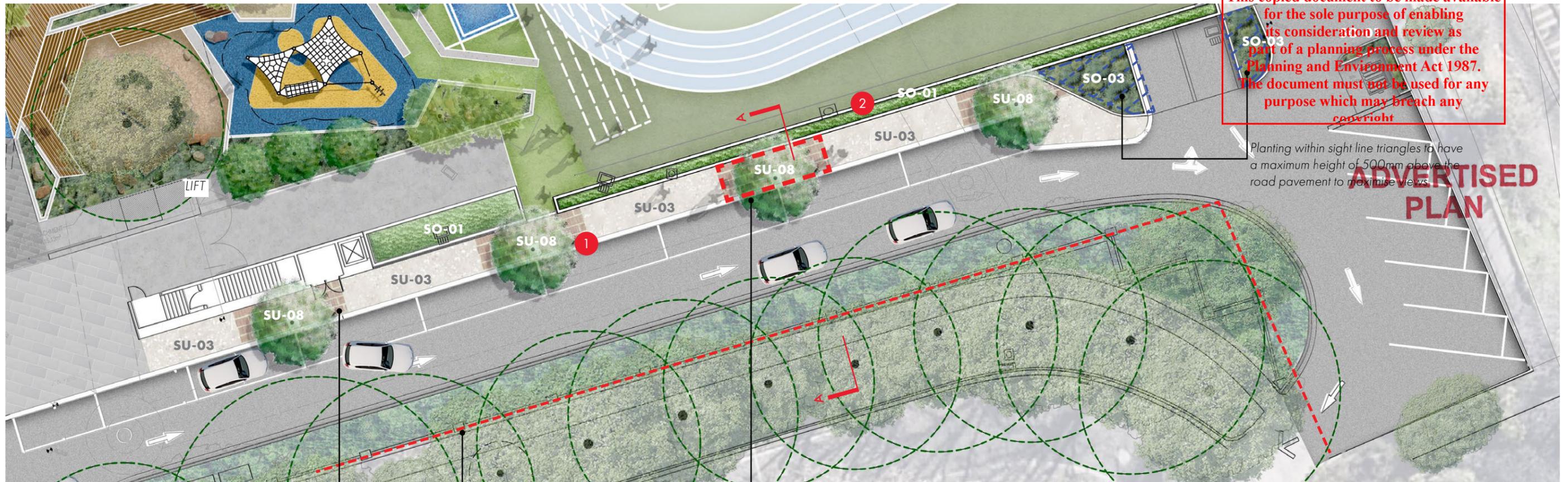
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Landscape Concept_ARRIVAL COURTYARD

St Kevin's College, Toorak

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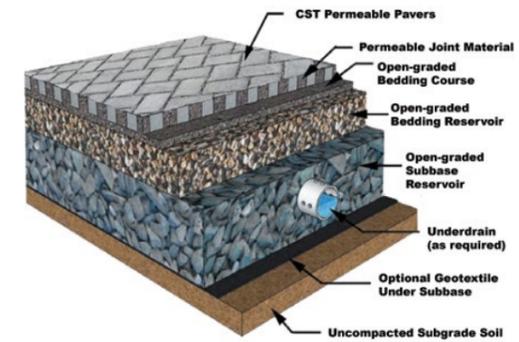
Exposed aggregate concrete

Existing stone pillar and concrete panel fence along boundary to remain

Permeable paving and structural soil

Legend

- 1 TREE PITS**
Permeable Paving and structural soil around trees



- 2 PLANTER ALONG CAR PARK EDGE**
Selected cascading plant species



Elwood House_Tract

SU-01 LANDSCAPE TREATMENT CODE
Refer to hard and soft landscape materials palette for



LANDSCAPE SECTION A_ DROP OFF AREA



Landscape Concept_DROP OFF AREA

St Kevin's College, Toorak

Assembly and Play Space

Play areas will be generous and will include a variety of play opportunities suitable for primary school children. Play is an important part of primary education and provides children with an opportunity to explore, co-operate, use their imaginations, grow confidence and learn important physical and social skills.

Outdoor learning areas will also be integrated into the external landscaped area as well as being an integrated component of the total learning environment. Soft and hard landscaping will be used to enhance the seasonal utility of these spaces, by providing shelter from prevailing winds and summer sun.

Design considerations:

- Provide a stimulating and challenging environment including different materials, level changes, climbing equipment, raised elements, sculptural elements, etc
- Play spaces should be inclusive, allowing for participation of children of all ages and abilities
- Provide opportunities for children to engage with nature and natural materials via vegetation, rocks and logs.
- Provide seating and appropriate shade via shade trees.
- Provide flexible amphitheatre space for large gatherings and performance activities.



Legend

1 AMPHITHEATRE
Wide, seating terraces connecting the new playing field with the school. Opportunity for play elements (ie. slides, talk tubes, climbing nets etc.) connecting and integrated through

2 SANDPIT
Incorporating boulders, logs and planting



3 EXISTING TREE TO BE RETAINED
Fraxinus oxycarpa ssp. angustifolia (Deert Ash)

4 NATURE BASE PLAY AREA AROUND EXISTING TREE
Boulders rock & Stepping logs



5 PLAY ELEMENTS
Play elements such as slides, talk tubes, climbing nets and ropes connecting the various terrace levels.
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5 Talk tubes
Climbing mesh + Activity Tower + Play line marking

6 RUBBER SOFTFALL

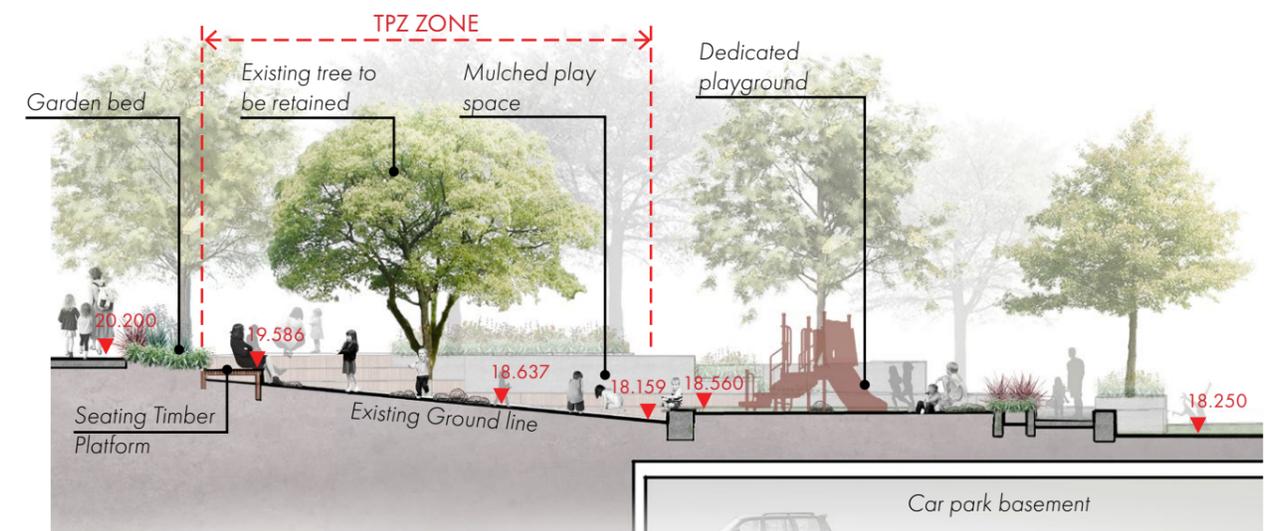
7 RAISED SEATING PLATFORM

8 OUTDOOR COLLABORATION SPACE
Loose furniture, flexible seating elements



LANDSCAPE TREATMENT CODE

Refer to hard and soft landscape materials palette for finishes



LANDSCAPE SECTION B_ DROP OFF AREA



Landscape Concept_ASSEMBLY & PLAY SPACE

St Kevin's College, Toorak

PROJECT_DRG 319-0457-00_D002-00

REV 05 DRWN CB,HL CHKD ML APPROV ML DATE 18.12.20

Tract

Grading

Pedestrian movement and safe DDA accessibility are key aspects in governing the general landscape solution, integrating the design with desired movement networks. A series of walkway ramps provide DDA access between the upper building level and the new sports court, whilst a lift provides access from the building down to the car park below.

Legend

- + 1.35 **PROPOSED LEVELS**
-  **SEAT/PLANTER WALL (TYP. 310MM HIGH)**
-  **STAIRCASE**
-  **'WALKWAY' - 1 IN 20 MAX. SLOPE**



Amphitheater

Wide, seating terraces connecting the new play area with the school.

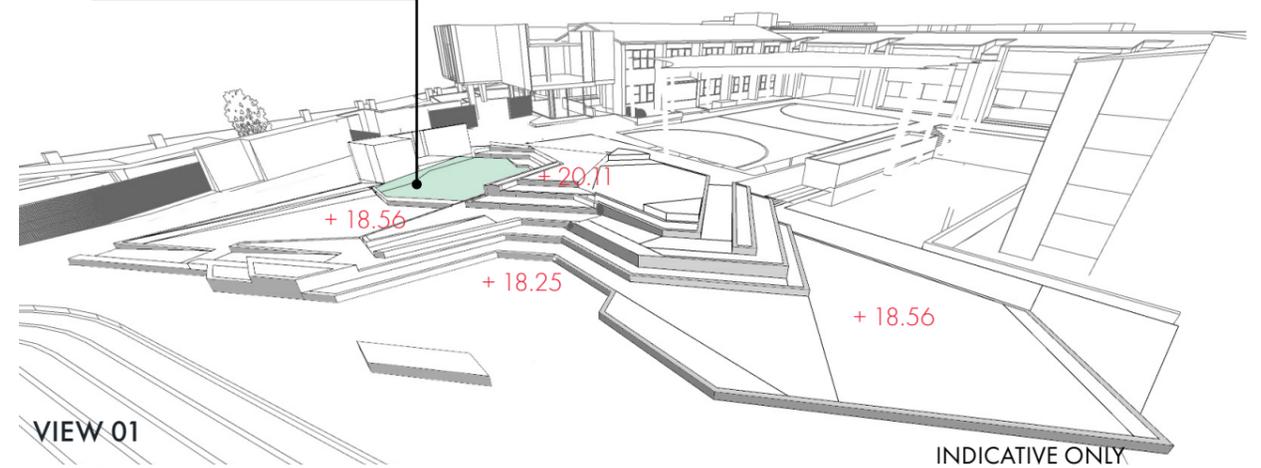


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ADVERTISED PLAN



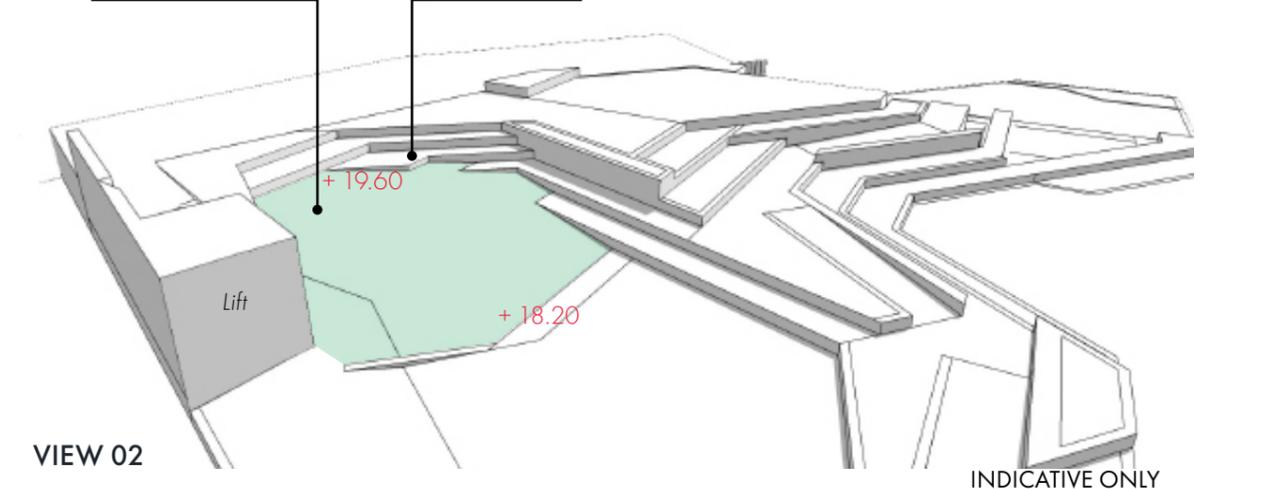
Existing ground line within TPZ zone



VIEW 01

Existing ground line within TPZ zone

Timber platforms in piers within TPZ zone



VIEW 02

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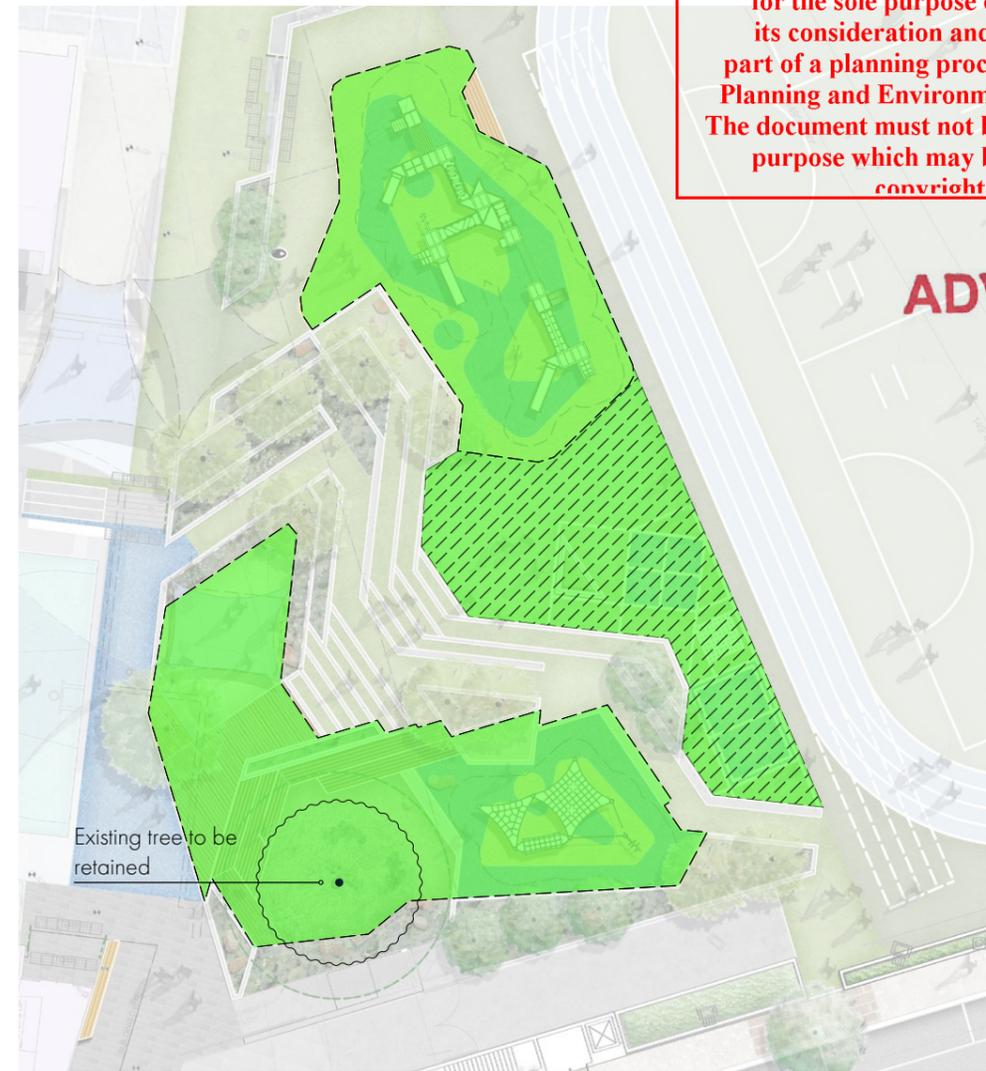
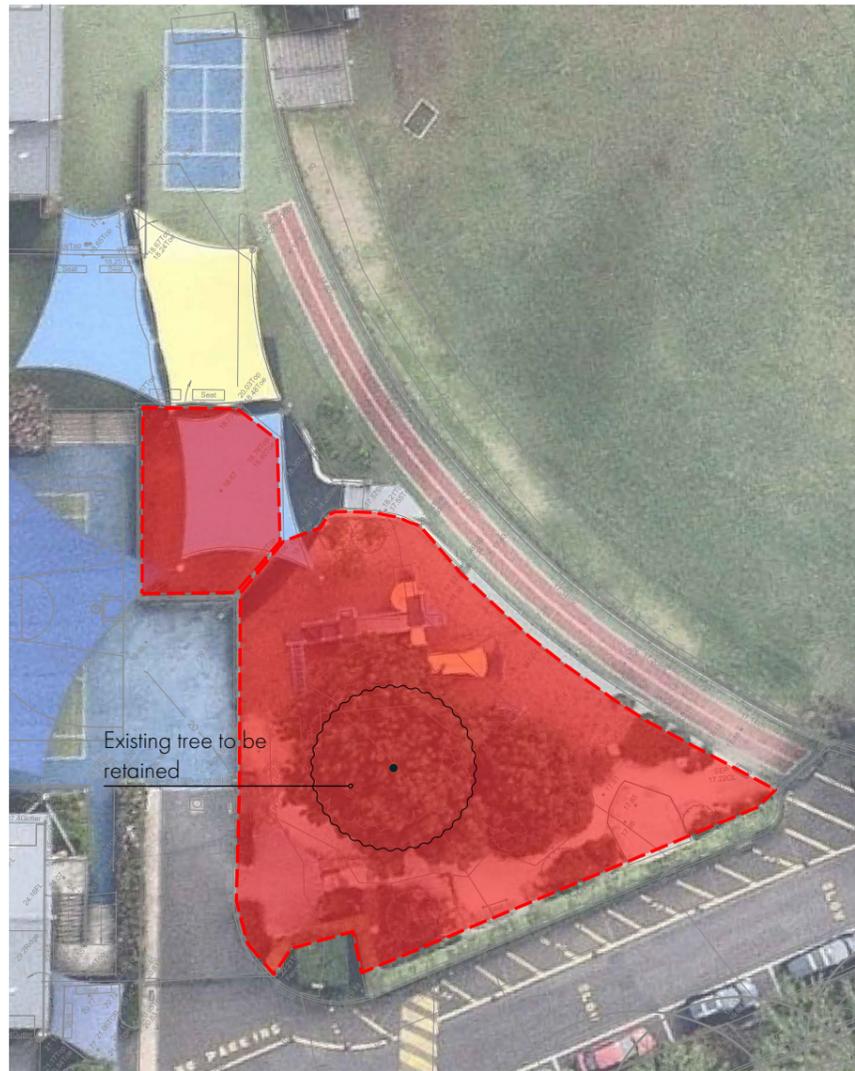
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Landscape Concept_ASSEMBLY & PLAY SPACE GRADING

St Kevin's College, Toorak

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ADVERTISED PLAN

 Existing Play area = **549m²**
(all soft mulched zones including areas below existing trees and path areas)

 Proposed dedicated play area = **545m²**

 Informal play areas = 198m²

Total = 743m²

Existing tree to be retained



EXISTING CONDITIONS

PROPOSED LAYOUT

Landscape Concept_ASSEMBLY & PLAY SPACE SCALE COMPARISON

St Kevin's College, Toorak

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KEY PLAN

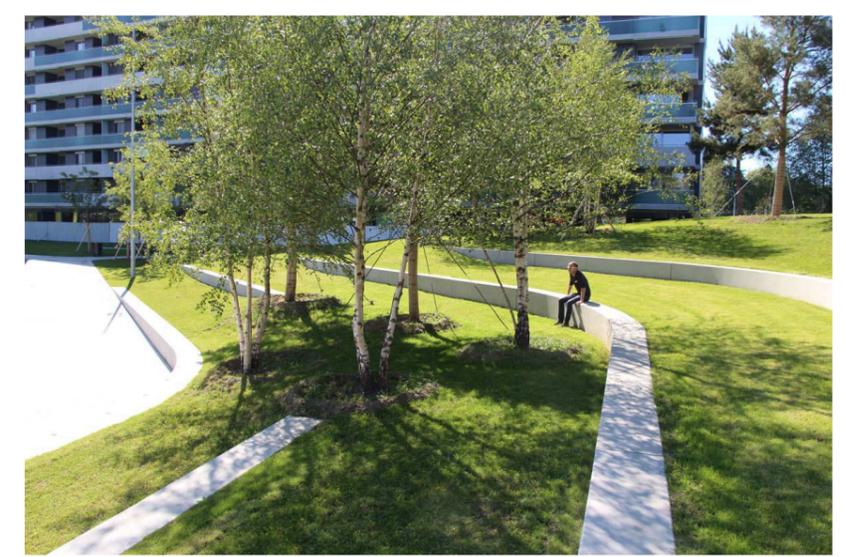
LANDSCAPE SECTION C_ ASSEMBLY & PLAYSPACE



RAISED SEATING PLATFORMS
Timber terrace overlooking sandplay area



SAND PLAY
Incorporating boulders, logs and planting



TERRACES
Concrete seating terraces with turf, trees and planting overlooking new playing field

Landscape Concept_ASSEMBLY & PLAY SPACE SECTION

St Kevin's College, Toorak

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ADVERTISED PLAN

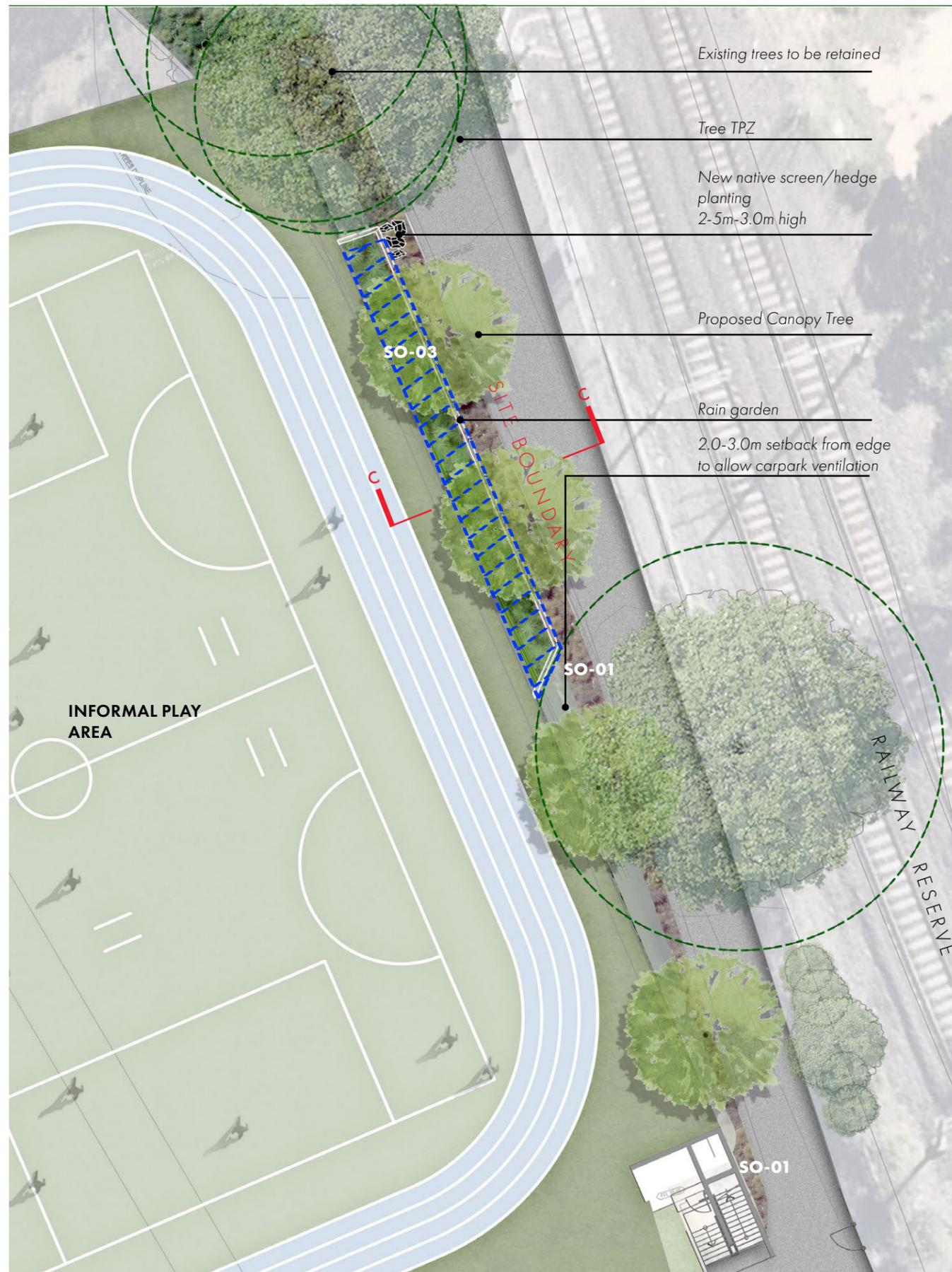


PERSPECTIVE VIEW (INDICATIVE)

Landscape Concept_ASSEMBLY & PLAY SPACE PERSPECTIVE

St Kevin's College, Toorak

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Eastern boundary

The existing hedge planting to the eastern boundary of the school will be removed to allow for the new car parking and play area. New, native screen planting will be provided along this interface with the railway reserve.

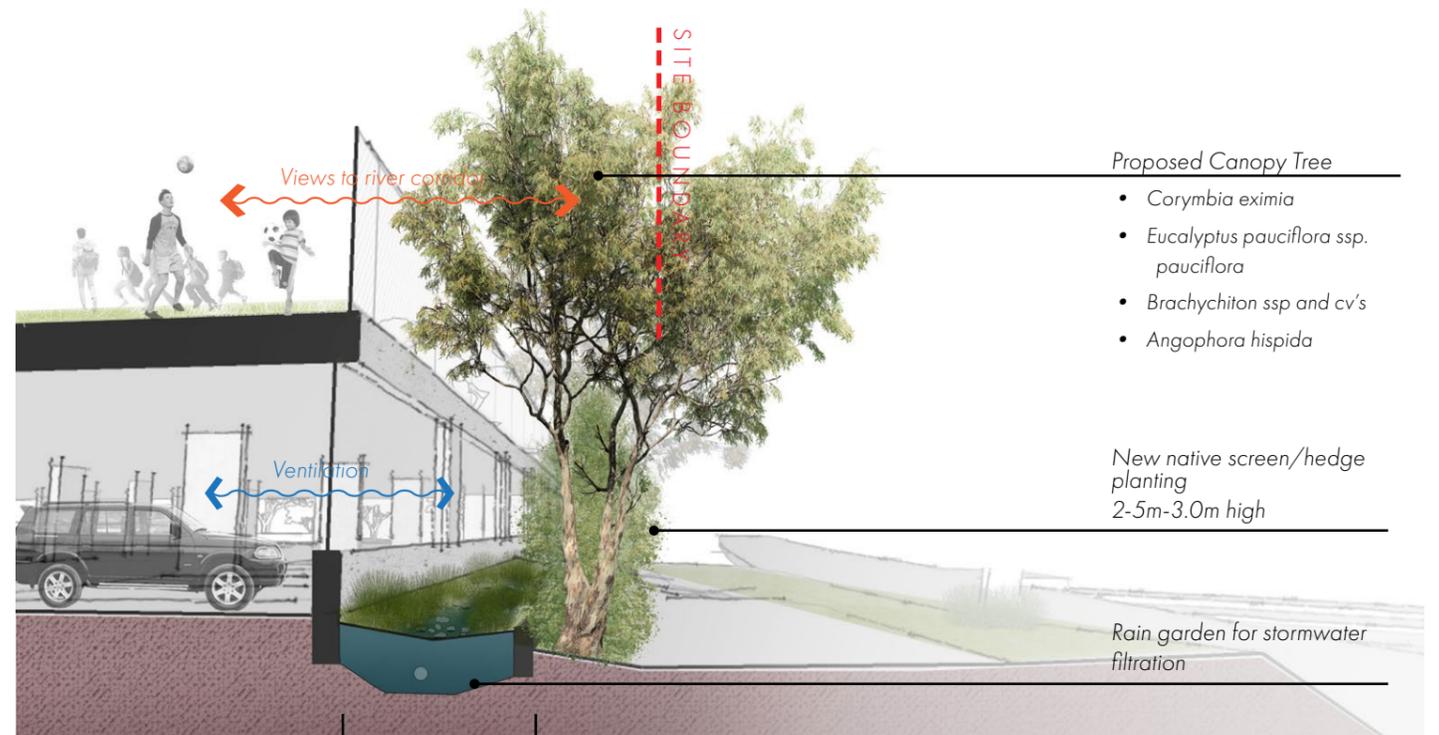
Design considerations:

- 2-3m setback from building edge to allow for ventilation flow from the carpark
- Retention and protection of existing trees
- Rain garden for 'informal play area' storm water filtration

ADVERTISED PLAN



EASTERN BOUNDARY EXISTING VEGETATION



LANDSCAPE SECTION C_EASTERN BOUNDARY



Landscape Concept_EASTERN BOUNDARY

St Kevin's College, Toorak

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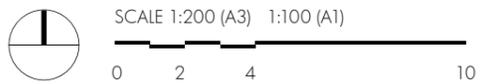
Proposed feature tree
ie. *Ginkgo biloba*

Understorey planting

PLAN VIEW



PERSPECTIVE VIEW FROM INSIDE BUILDING



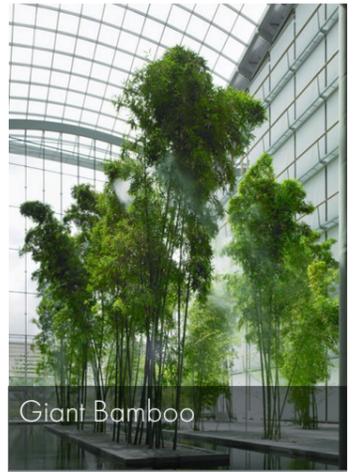
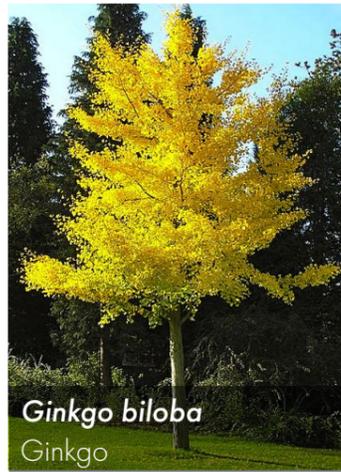
Internal Courtyard

The internal courtyard presents an opportunity to provide a 'green', landscaped space within the new building. Two advanced, feature trees will draw the eye along key corridors and passageways and provide a welcome view to nature.

Design considerations:

- Internal views from key locations within the building to the courtyard
- Species selection given reduced access to light

TREE OPTIONS



UNDERSTOREY



ADVERTISED PLAN

Landscape Concept_INTERNAL COURTYARD

St Kevin's College, Toorak

Materials Palette

The materials and finishes comprise high quality, robust and maintainable treatments.

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LEGEND

_SURFACES

- SU - 01 Bluestone pavers: 1000 X 500 X 30mm, Finish: TBC.
- SU - 02 Bluestone pavers: 600 X 300 X 30mm, Finish: TBC.
- SU - 03 Exposed aggregate coloured concrete
- SU - 04 Modwood decking, Colour TBC
- SU - 05 Artificial turf
- SU - 06 Softfall mulch
- SU - 07 Sports Surfacing: To match existing
- SU - 08 Permeable paving, Colour & mix TBC
- SU - 09 Sand

_FURNITURE

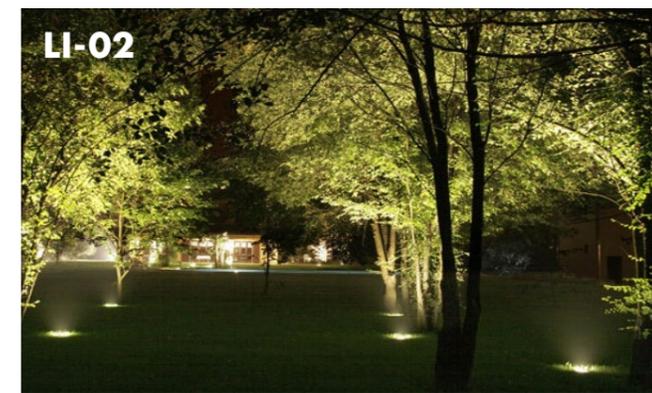
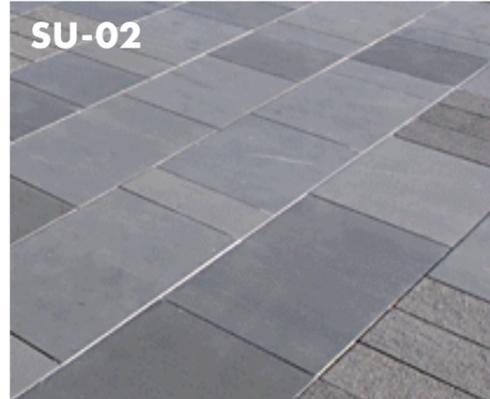
- FU - 01 Seating & raised planter walls: In-situ concrete, off-white cement
- FU - 02 Seating elements: Steel frame with modwood cladding
- FU - 03 Bicycle hoop: Grade 316 Stainless Steel
- FU - 04 Rubbish & Recycling Bin: Perforated Grade 316 Stainless Steel
- FU - 05 Drinking Fountain and refill tap

_LIGHTING

- LI - 01 Recessed seat lighting: Surface mounted exterior grade wall lights (To Electrical Engineer's Specification)
- LI - 02 Uplighting to feature trees (To Electrical Engineer's Specification)

_SOFTWARES

- SO - 01 Garden beds with 12-20mm Pine Bark mulch
- SO - 02 Tree planting: 100L & 45L pots
- SO - 03 Raingarden



Planting Design Strategy

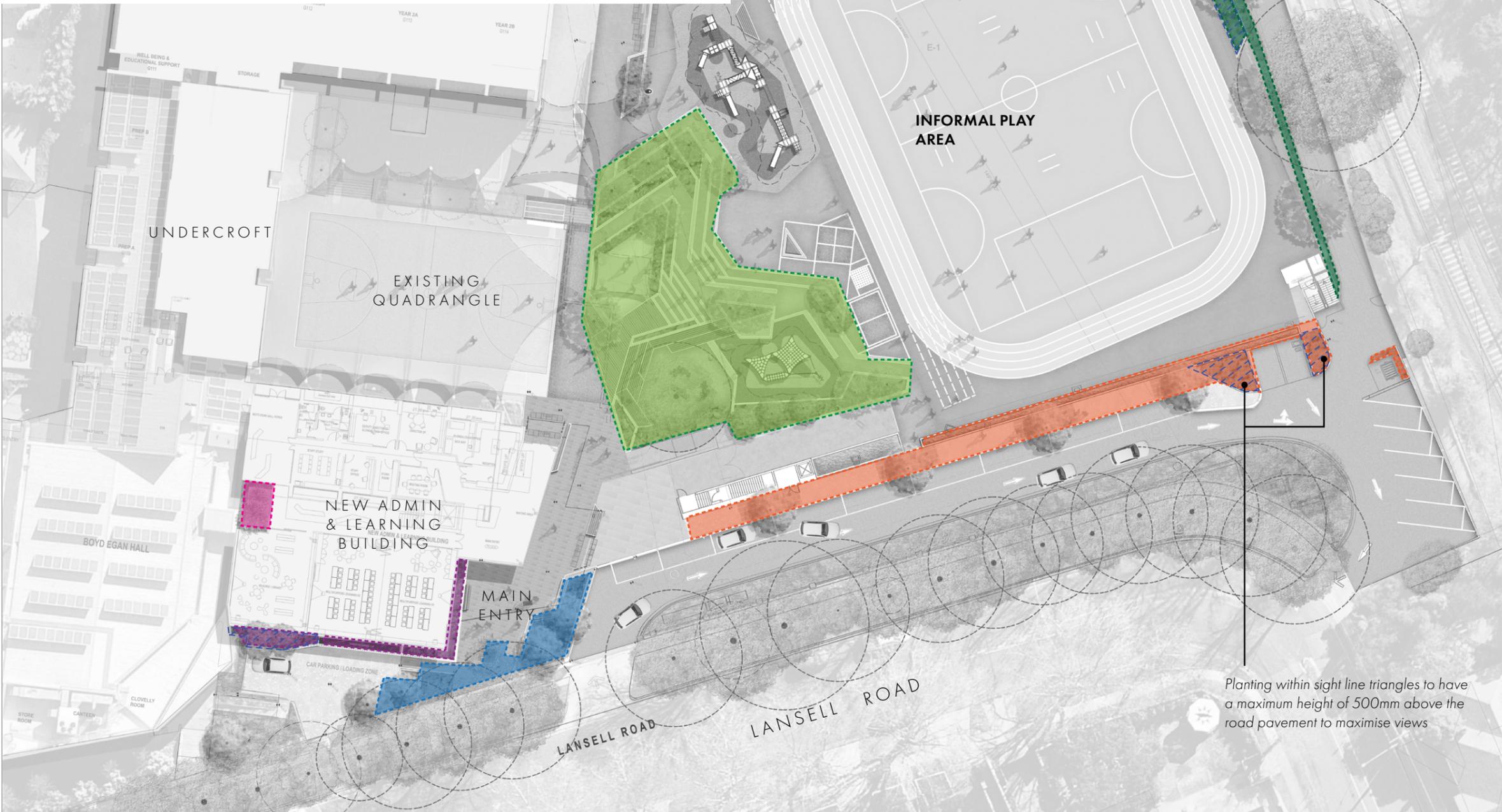
The planting strategy aims to establish a clear planting design philosophy which promotes practical benefits such as shade, spatial definition, micro-climate, and visual quality to outdoor spaces, while also expressing and reinforcing the key landscape themes and identity of these spaces.

Planting themes will be mainly based on local native drought tolerant species (approximately 80% of total plants) as well as plants which offer learning themes, and some exotic species to provide identity to key spaces.

Proposed planting identified as automatically irrigated is to be serviced by a subsurface drip irrigation system and connected to on site rain water tanks where possible.

Maintenance activities will include; fertilizer application; herbicide spray (if appropriate), replenishment of mulch; and monitoring of plant health and performance and the implementation of appropriate horticultural measures to ensure optimal growth at all times.

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- Legend**
-  ARRIVAL AREA
 -  DROP OFF ZONE
 - ADVERTISED PLAN**
 -  ASSEMBLY & PLAYSACE
 -  INTERNAL COURTYARD
 -  EASTERN BOUNDARY
 -  SERVICES
 -  RAIN GARDEN

Planting within sight line triangles to have a maximum height of 500mm above the road pavement to maximise views



Landscape Concept_PLANTING DESIGN

St Kevin's College, Toorak

ARRIVAL AREA



Botanic Name	Common Name	Mature (H x W)	Install Size	Density	Quantity
Trees					
<i>Corymbia citriodora</i>	Lemon Scented Gum	25 x 11-13m	45Lt	As shown	3
<i>Pistacia chinensis</i>	Chinese Pistachio	8 x 6m	100Lt	As shown	3
Total Trees					6

Shrubs, Grasses & Groundcovers					
<i>Lomandra 'Tanika'</i>	Fine Leaf Lomandra	1 x 1m	150mm pot	4/m2	60
<i>Acacia cognata 'Mini Cog'</i>	Mini Cog	0.8 x 1.2m	150mm pot	4/m2	60
<i>Diets grandiflora</i>	Wild Iris	1.2 x 1m	150mm pot	4/m2	60
<i>Grevillea 'Peaches & Cream'</i>	Peaches & Cream Grevillea	1.5-2 x 2m	300mm pot	4/m2	60
Total Shrubs, Grasses & Groundcovers					240

Botanic Name	Common Name	Mature (H x W)	Install Size	Density	Quantity
Trees					
<i>Corymbia citriodora 'Scentuosus'</i>	Dwarf Lemon Scented Gum	7 x 5m	45Lt	As shown	4
Total Trees					4

Shrubs, Grasses & Groundcovers					
<i>Diets grandiflora</i>	Wild Iris	1.2 x 1m	150mm pot	4/m2	40
<i>Lomandra 'Tanika'</i>	Fine Leaf Lomandra	1 x 1m	150mm pot	4/m2	40
<i>Myoporum parvifolium 'Yareena'</i>	Yareena	0.1 x 1m	150mm pot	4/m2	40
Total Shrubs, Grasses & Groundcovers					120

Climbers & Cascading					
<i>Trachelospermum jasminoides</i>	Star Jasmine	0.3-0.5 x 3m	150mm pot	6/m2	40
<i>Casuarina glauca 'Cousin It'</i>	Cousin it	0.2 x 1.5m	150mm pot	6/m2	40
Climbers & Cascading					80

Botanic Name	Common Name	Mature (H x W)	Install Size	Density	Quantity
Shrubs, Grasses & Groundcovers					
<i>Arthropodium cirratum</i>	Rock Lily	0.6 x 0.8m	150mm pot	4/m2	50
<i>Lomandra 'Tanika'</i>	Fine Leaf Lomandra	1 x 1m	150mm pot	4/m2	50
<i>Pittosporum tobira 'Miss Muffet'</i>	Miss Muffet Pittosporum	1 x 1.5m	150mm pot	4/m2	50
Total Shrubs, Grasses & Groundcovers					150

Botanic Name	Common Name	Mature (H x W)	Install Size	Density	Quantity
Trees					
<i>Allocasurina verticillata</i>	Drooping Sheoak	7-0m x 4.0m	45Lt	As shown	
<i>Banksia marginata</i>	Silver Banksia	10 x 5m	45Lt	As shown	
<i>Melaleuca linariifolia</i>	Paperbark	8 x 5m	45Lt	As shown	
Total Tree					4

Screen planting					
<i>Acacia acinacea</i>	Gold Dust Wattle	2-0 x -2.0m	300mm pot	2/m2	140
<i>Grevillea 'Forest Rambler'</i>	Grevillea Sp.	2-3 x 2-3m	300mm pot	2/m2	140
Total Screen planting					280

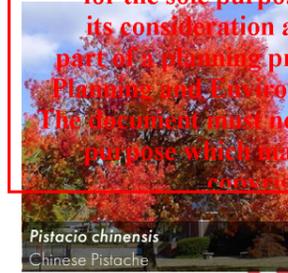
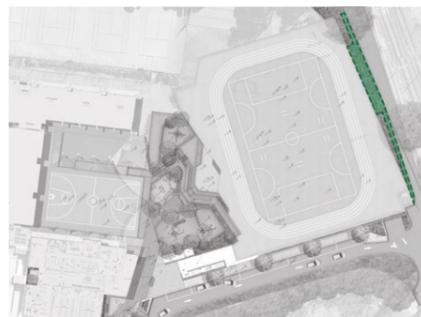
DROP OFF ZONE



SERVICES AREA



EASTERN BOUNDARY



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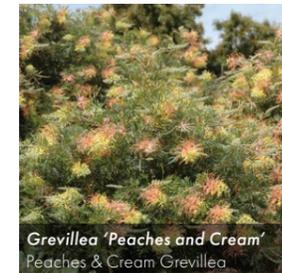
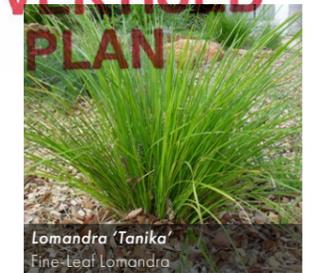
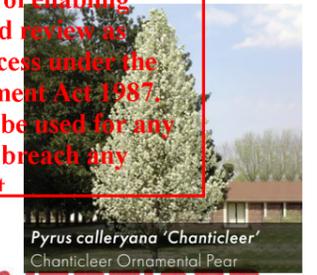
Landscape Concept PLANTING DESIGN
St Kevin's College, Toorak

ASSEMBLY & PLAYSPACE



(feature tree)

Botanic Name	Common Name	Mature (H x W)	Install Size	Density	Quantity
Trees					
<i>Allocasuarina littoralis</i>	Black Sheoak	5-12 x 4-5m	45Lt	As shown	
<i>Corymbia citriodora</i>	Lemon Scented Gum	25 x 11-13m	45Lt	As shown	
<i>Brachychiton acerifolius</i>	Illawara Flame Tree	12 x 6m	500Lt	As shown	
<i>Pistacia chinensis</i>	Chinese Pistacio	8 x 6m	100Lt	As shown	
<i>Pyrus calleryana 'Chanticleer'</i>	Oramental Pear	11 x 6m	100Lt	As shown	
Total Trees					15
Shrubs, Grasses & Groundcovers					
<i>Acacia baileyana 'Prostrate'</i>	Cootamundra Wattle	0.6 x 2-3m	150mm pot	4/m ²	65
<i>Banksia spinulosa 'Birthday Candles'</i>	Dwarf Hairpin Banksia	0.4-0.5 x 0.5-1m	150mm pot	4/m ²	65
<i>Casuarina glauca 'Cousin It'</i>	Cousin It Sheoak	0.15 x 3m	150mm pot	4/m ²	65
<i>Echium candicans</i>	Pride of Madeira	2 x 2.4m	300mm pot	4/m ²	65
<i>Grevillea 'Peaches and Cream'</i>	Peaches and Cream Grevillea	1.5-2m x 2m	300mm pot	4/m ²	65
<i>Grevillea 'Robyn Gordon'</i>	Robyn Gordon Grevillea	1-1.5 x 1-1.5m	300mm pot	4/m ²	65
<i>Grevillea juniperina 'Gold Cluster'</i>	Grevillea Gold Cluster	0.1-0.2 x 3m	150mm pot	4/m ²	65
<i>Lomandra 'Tanika'</i>	Fine Leaf Lomandra	1 x 1m	150mm pot	4/m ²	65
Total Shrubs, Grasses & Groundcovers					520



INTERNAL COURTYARD



Botanic Name	Common Name	Mature (H x W)	Install Size	Density	Quantity
Trees					
<i>Acer palmatum</i>	Japanese Maple	4 x 4m	100Lt	As shown	1
<i>Ginkgo biloba</i>	Maidenhair Tree	9 x 5m	300Lt	As shown	1
Total Trees					2
Shrubs, Grasses & Groundcovers					
<i>Arthropodium cirratum</i>	Rock Lily	0.6 x 0.8m	150mm pot	4/m ²	25
<i>Clivea miniata</i>	Kaffir Lily	0.5 x 1m	150mm pot	4/m ²	25
<i>Viola hederacea 'Baby Blue'</i>	Native Violet	0.1-0.3 x 0.5m	150mm pot	4/m ²	25
Total Shrubs, Grasses & Groundcovers					75



RAIN GARDEN



Botanic Name	Common Name	Mature (H x W)	Install Size	Density	Quantity
WSUD Species					
<i>Carex appressa</i>	Tall Sedge	0.9 x 1.0m	150mm pot	6/m ²	85
<i>Myoporum parvifolium</i>	Creeping Boobialla	0.2-0.3 x 0.5m	150mm pot	6/m ²	85
<i>Lomandra hystrix</i>	Mat Rush	1-1.5 x 1-1.5m	150mm pot	6/m ²	85
<i>Ficinia nodosa</i>	Knobby Club Rush	0.8-1.0 x 0.6-0.8m	150mm pot	6/m ²	85
<i>Stylidium graminifolium</i>	Grass Trigger Plant	0.3 x 0.5m	150mm pot	6/m ²	85
<i>Wahlenbergia communis</i>	Tufted Bluebell	0.4m x 0.3m	150mm pot	6/m ²	85
Total rain garden plant species					510



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ADVERTISED PLAN

Landscape Concept_PLANTING DESIGN

St Kevin's College, Toorak