



# ST. PATRICKS COLLEGE STRATHFIELD

## LANDSCAPE DOCUMENTATION

### SSDA

#### DRAWING REGISTER

Dwg No.	Drawing Title	Scale	Size
<b>General</b>			
LA-DA-00	Cover Page & Drawing Schedule	N/A	A1
LA-DA-01	Introduction	N/A	A1
LA-DA-02	Design Statement	N/A	A1
LA-DA-03	Tree Protection & Removal Plan	1:200	A1
LA-DA-04	Landscape Context - Planting Character	N/A	A1
<b>Plans</b>			
LA-DA-05	Landscape Plan 1 - Ground Floor	1:200	A1
LA-DA-06	Landscape Plan 2 - Level 01	1:200	A1
LA-DA-07	Landscape Plan 3 - Level 02	1:200	A1
LA-DA-08	Landscape Plan 4 - Roof	1:200	A1
<b>Sections</b>			
LA-DA-09	Landscape Section A: Edgar Street	1:75	A1
LA-DA-10	Landscape Section B: Podium	1:75	A1
<b>Palettes</b>			
LA-DA-11	Planting Palette	N/A	A1
<b>Maintenance</b>			
LA-DA-12	Landscape Maintenance Statement 1	N/A	A1
LA-DA-13	Landscape Maintenance Statement 2	N/A	A1
LA-DA-14	Landscape Maintenance Statement 3	N/A	A1

#### GENERAL NOTES

\* FOR DEVELOPMENT APPLICATION ONLY

\* All tree dimensions and RLs in metres. All other dimensions in mm unless stated otherwise.

\* Do not scale from drawings. Use figured dimensions only. Larger scale drawings and written dimensions take preference.

\* All work shall be carried out in accordance with current versions of Australian Standards, BCA and Local Government Regulations.

\* Structural Details are indicative only and are subject to Structural Engineer's Details and Specifications.

\* Drainage details are subject to Hydraulic / Civil Engineer's Detail and Specification.

\* Subbase details including compaction are to Civil and Structural Engineer's Specification.

\* Lighting Plans are subject to detailed design by a qualified Lighting Consultant or Electrical Contractor.

\* Water Feature Details are indicative only and are subject to detailed design by a specialist Water Feature designer.

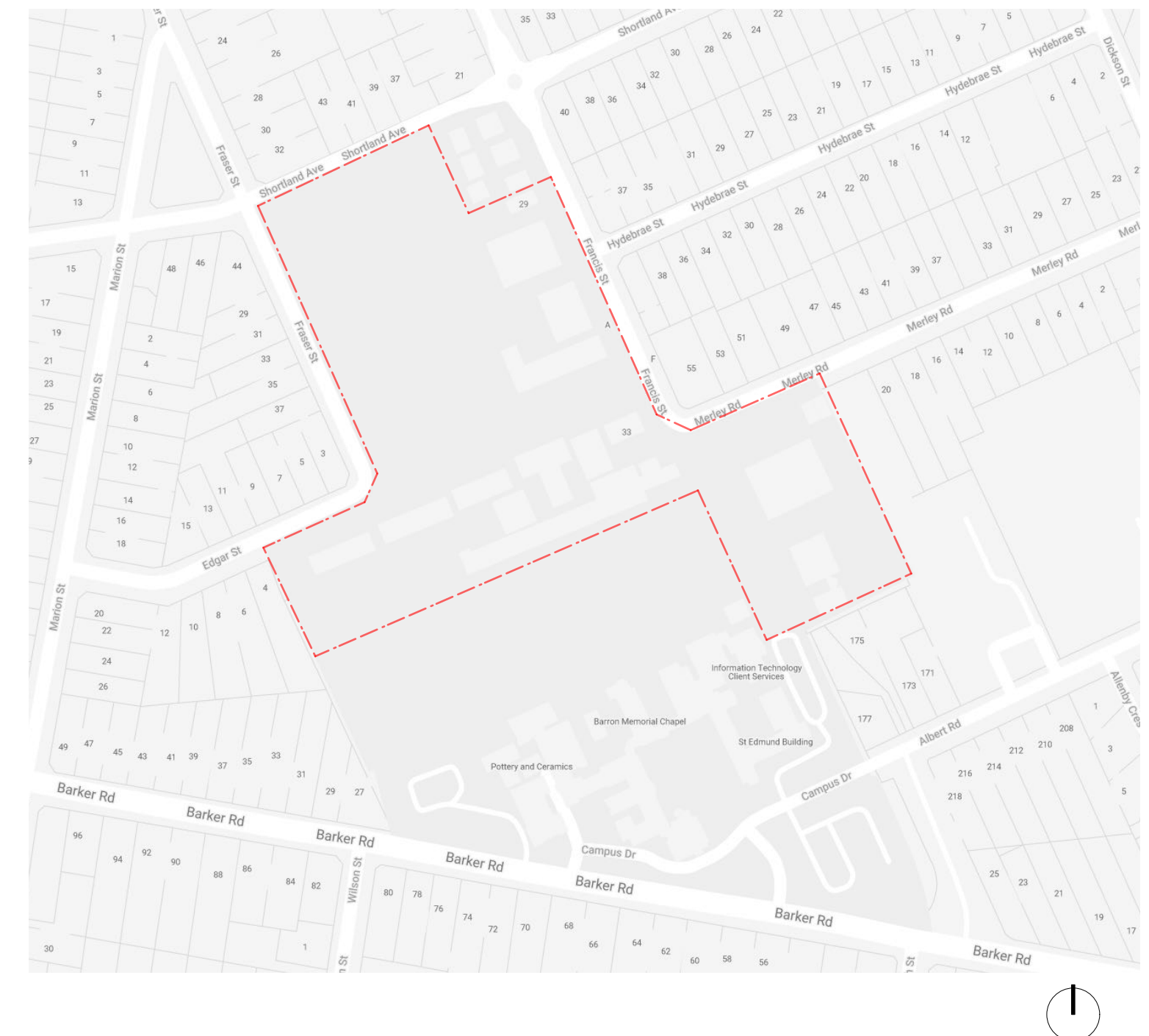
\* Service location on plans are indicative only. *360 Degrees Landscape Architects Pty Ltd* accepts no responsibility for the accuracy of service locations shown or for services not shown. It is the responsibility of the contractor to determine service locations prior to the commencement of work, including contacting *Dial Before You Dig* and performing on site service locations. Locate and protect all services on site and in adjacent public domain. Any damages to services and associated damages remains the responsibility of the contractor and shall be rectified at no cost to the client or any other party.

\*All adjoining property elements including but not limited to buildings, walls, trees and paving to be protected. Damaged elements remain the responsibility of the contractor and shall be rectified at no cost to the client or any other party. Existing trees to be retained are to be protected to Council and Project Arborist's requirements. No vehicular traffic, stockpiling or storage of materials within Tree Protection Zones (TPZs).

\* No responsibility will be taken by *360 Degrees Landscape Architects Pty Ltd* for any variations in design, construction method, materials specified and general specifications without permission from the Project Landscape Architect.

\* This Drawing is copyright to *360 Degrees Landscape Architects Pty Ltd*.

#### LOCATION PLAN



Rev	Amendment	Date	By
A	Preliminary	13.03.20	EB
B	Draft SSDA	20.03.20	EB
C	SSDA	06.04.20	EB

PRELIMINARY  
NOT FOR CONSTRUCTION

**IMPORTANT NOTES:**  
Do not scale from drawings.  
All dimensions to be brought to the attention of the Project Landscape Architect.  
Larger scale drawings and written dimensions take preference. All dimensions in mm unless otherwise stated.  
Use figured dimensions only.  
Verify all dimensions and levels before the commencement of any work.  
Structural details shall be subject to Engineer's Specifications.  
All work shall be carried out in accordance with BCA, BSA and Local Government Regulations.  
Structural details shall be subject to Engineer's Specifications.  
All work shall be carried out in a professional manner by Qualified Tradesmen according to Landscape Drawings and Engineering Specifications.  
The responsibility will be taken by 360 Degrees Landscape Architects Pty Ltd for any variations in design, construction method, materials specified and general specifications without permission from the Project Engineer or Landscape Architect.  
This Drawing is copyright to 360 Degrees Landscape Architects Pty Ltd.

CLIENT  
St Patrick's College  
  
ARCHITECT  
BVN  
  
SCALE  
N/A @ A1

CHECKED  
LB  
  
DRAWN  
EB  
  
ISSUED FOR  
SSDA

DWG. TITLE  
**Cover Page & Drawing Schedule**  
  
PROJECT  
**St Patrick's College**

**360°**  
Level 1, 1 Mary's Place  
Surry Hills, 2010  
P 02 9332 3601  
W 360.net.au  
ABN 90 146 901 322

L-DA-00



INTRODUCTION

360 Degrees Landscape Architects have been engaged by BVN Architects to prepare a Landscape Design Intent document to support a State Significant Development Application for St Patrick's College at Francis Street, Strathfield NSW 2135. This report will describe the landscape concept for the site and provide a framework for detailed design and documentation.

Founded in 1928, St Patrick’s College is an independent Roman Catholic single-sex primary and secondary day school for boys, catering for approximately 1,430 students from years 5 to 12. A new building proposed by BVN, involves the development of a 3 storey Science and Food-tech School building with basement carparking and rooftop multi-use courts. The new building is proposed to occupy the existing school tennis courts of which 2 will be relocated to the rooftop (level 3). The design will include a canteen at ground level, a public podium which will act as a major through site link as well as being a breakout space for the canteen and outdoor learning and seating terraces fronting the sports field. Climbing and cascading plants around the building facade and a new series of planters along the pedestrianised Edgar Street are proposed to envelope the built form, and provide a lush and green connection from all aspects of the building and its class rooms.

This Landscape Masterplan Report has been prepared to guide the development of landscape works and support the Architectural Design Report Prepared by BVN Architects. These documents have been prepared to support the school’s core activities and guides the ongoing development of its unique environment which provides a memorable and positive learning, working and social experience for students, staff, alumni, family and guests of the college who visit the campus.



AERIAL VIEW OF SITE



Rev	Amendment	Date	By
A	Preliminary	13.03.20	EB
B	Draft SSDA	20.03.20	EB
C	SSDA	06.04.20	EB

PRELIMINARY  
NOT FOR CONSTRUCTION

**IMPORTANT NOTES:**  
Do not scale from drawings.  
All dimensions to be brought to the attention of the Project Landscape Architect.  
Landscape drawings are not to be used for construction. All dimensions to be verified on-site.  
Use figures dimensions only.  
Verify all dimensions and details before the commencement of any work.  
All work shall be carried out in accordance with BCA, BCA and Local Government Regulations.  
Drawings shall be subject to Engineer's Signatures.  
All work shall be carried out in a professional manner by Qualified Tradesmen according to Landscape Drawings and Engineer's Signatures.  
The responsibility will be taken by 360 Degrees Landscape Architects Pty Ltd for any variation in design, construction, materials, materials specified, and general maintenance without compensation from the Project Engineer or Landscape Architect.  
This Drawing is copyright to 360 Degrees Landscape Architects Pty Ltd.

CLIENT  
St Patrick's College  
  
ARCHITECT  
BVN  
  
SCALE  
N/A @ A1

CHECKED  
LB  
  
DRAWN  
EB  
  
ISSUED FOR  
SSDA

DWG. TITLE  
**Introduction**  
  
PROJECT  
**St Patrick's College**

**360°**  
Level 1, 1 Mary's Place  
Surry Hills, 2010  
P 02 9332 3601  
W 360.net.au  
ABN 90 146 901 322

L-DA-01



## DESIGN STATEMENT

Careful consideration of the architectural building and conceptual collaboration with the planner, client, architects and consultant team has contributed to the landscape design solutions.

The key strategies/aspirations include;

- Establish a school identity with strong links to ecology & place
- Create a playful and fun school environment which entices interaction and learning through the landscape
- Promote social inclusiveness, and equity across all abilities, ages and personalities
- Ensure school landscape directly responds to staff and student needs
- Provide amenity which supports learning and student development
- Provide flexibility and versatility to allow for a variety of users and enable people to enjoy different activities

in the same place and adaptability for the schools future needs.

The delivery of the new Science and Food-Tech building provides an opportunity to establish a central active centre for the school, consolidating sports courts and establishing a flexible quadrangle. The building relocates 2 existing courts to the roof, enabling direct relationship of the building function with adjacent amenity, and positioning the active pursuits away from passive use spaces, such as classrooms, labs, gardens/lawns etc.

This area becomes the active heart of the campus defined by the nexus of the internal Edgar Street drop-off, the sports field and the through-site for the Fraser Street Campus entry. The space provides access and connection to the central quadrangle, the new learning building, canteen, the main spine of steps that leads to the adjacent school buildings, and the central path that connects other landscape zones of the campus.

The Central quadrangle forms the heart of the campus, conveying students between classes, accommodating outdoor learning, supporting social spaces and facilitating ceremonial gatherings, assembly and performances. Largely open paved space, the quadrangle is held on the edges by gardens and shade trees, while a series of seating terraces connect to the sports field and provide a grandstand for events and games.

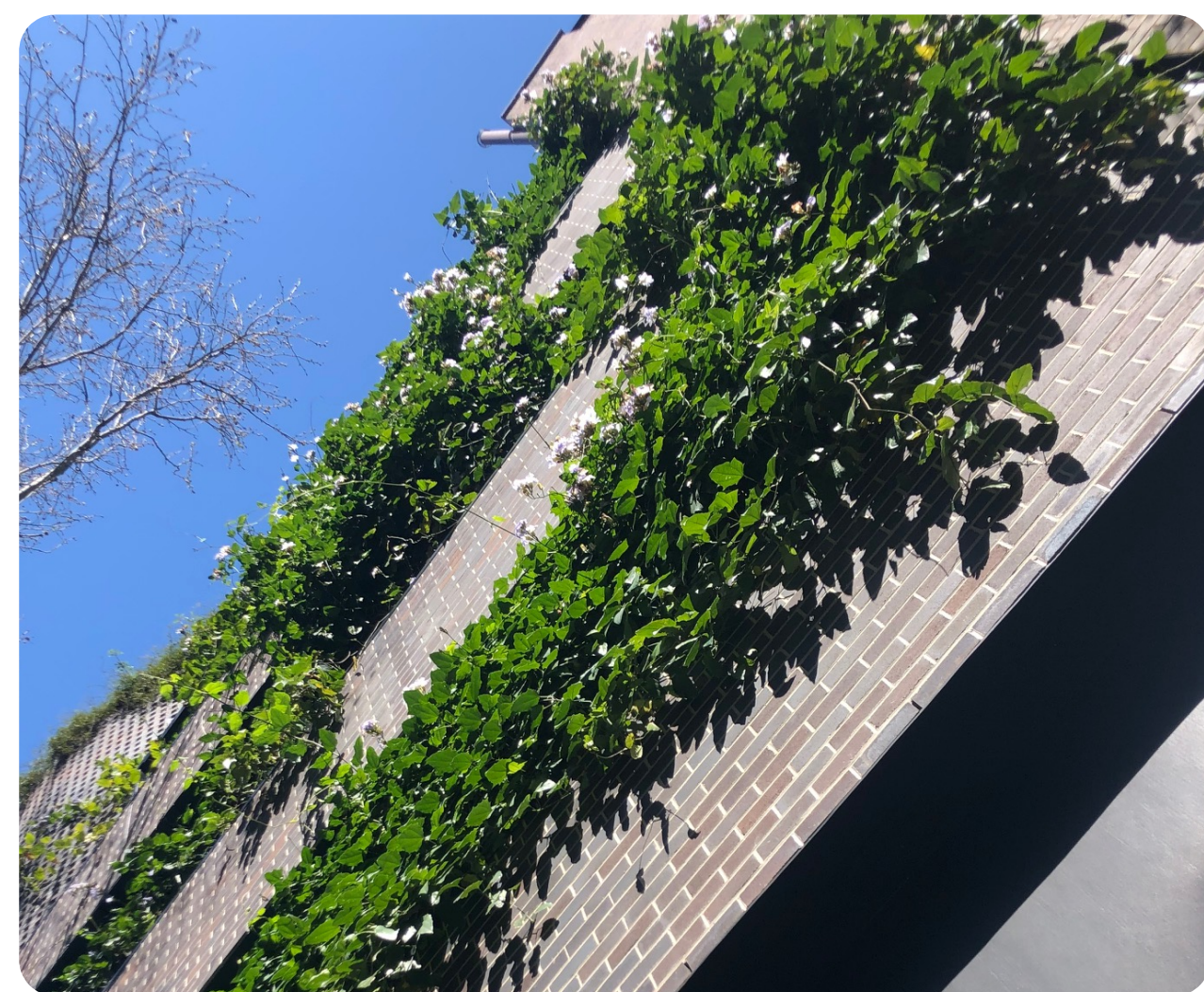
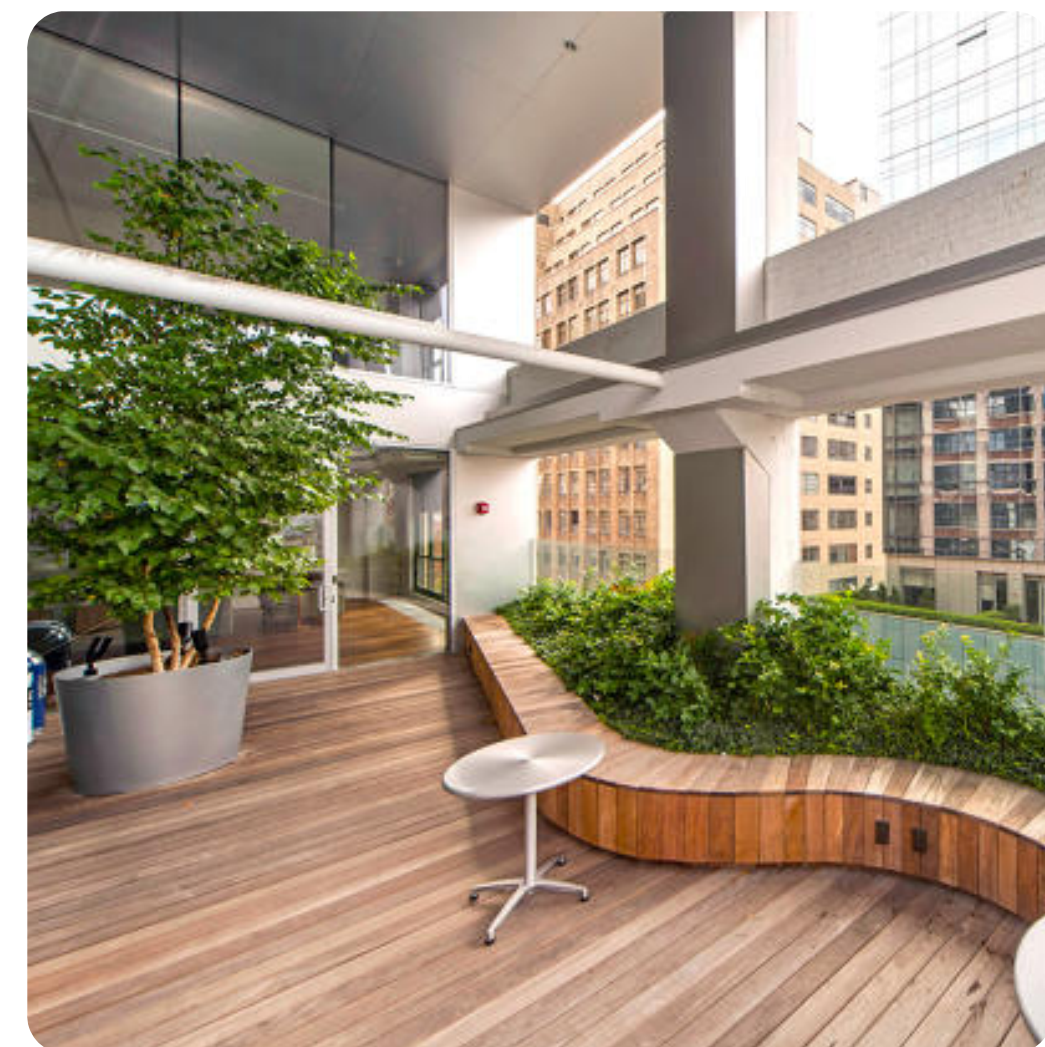
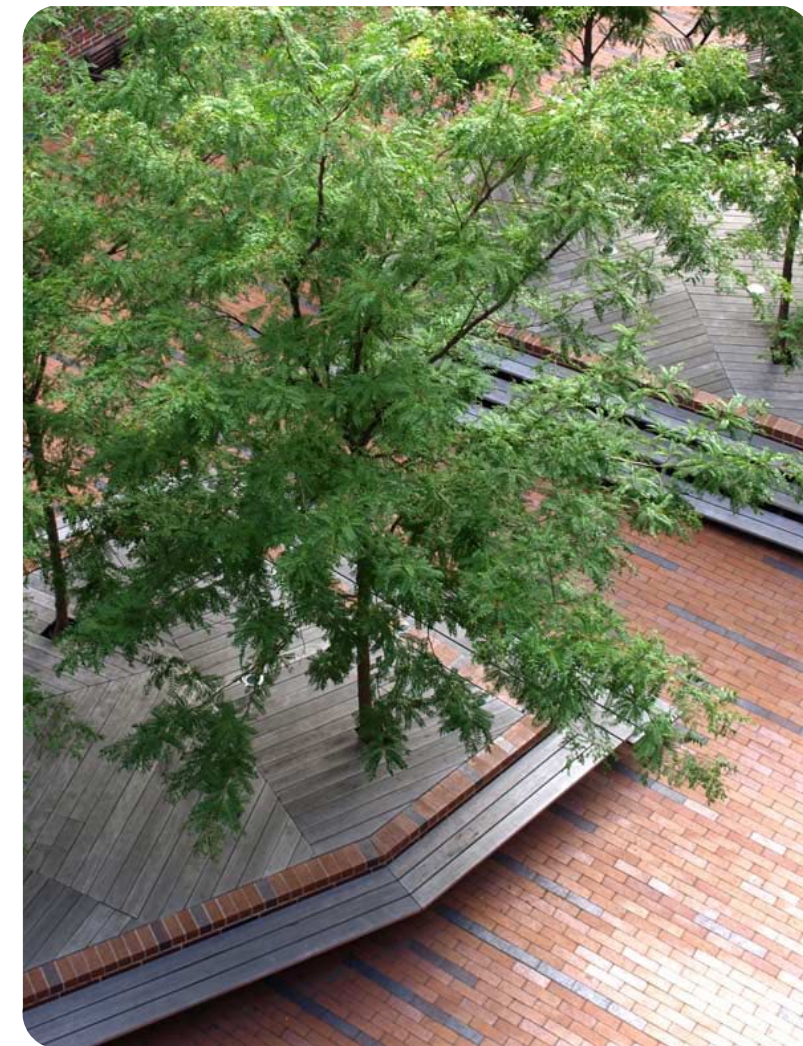
Complementary to the central quadrangle is a spine of informal and playful seating opportunities beneath an avenue of native tree planting. These seats provide a central congregation point with direct connection to the building. This combination of spaces enables various activities to be undertaken, including study, social gathering, events, classes and performances. Each contributing to a vibrant and social campus.

PlantingLandscape is an essential part to physical, mental and emotional wellbeing and contributes greatly to the happiness and positivity of students. Providing a verdant and aesthetic outlook from within the class rooms and gardens for respite seeks to improve both student wellbeing, attentiveness and ultimately benefit learning aptitude. The terrace garden and roof provide intimate landscape spaces which both compliment the internal program of the floor and provide external teaching/learning spaces that take advantage of the development's aspect and elevation.

The planting will feature a mix of self supported climbers, cascading species, grasses, mature trees, shrubs and ground covers. The species will be selected for their performance based on specific aspect, orientation, frost and drought resistance, and maintenance requirements.

In accordance with the nature of the school and its urban ecology, the garden's design intent and plant selection requires minimal water use, requires relatively low maintenance and is robust enough to withstand the effects of nature. All species have been selected to ensure the design intent and aesthetic of a verdant façade remains through the course of time with the requirement for only minor maintenance with an integrated irrigation and drainage system minimising plant failure and maximizing growth. (refer to the plant schedule for species list)

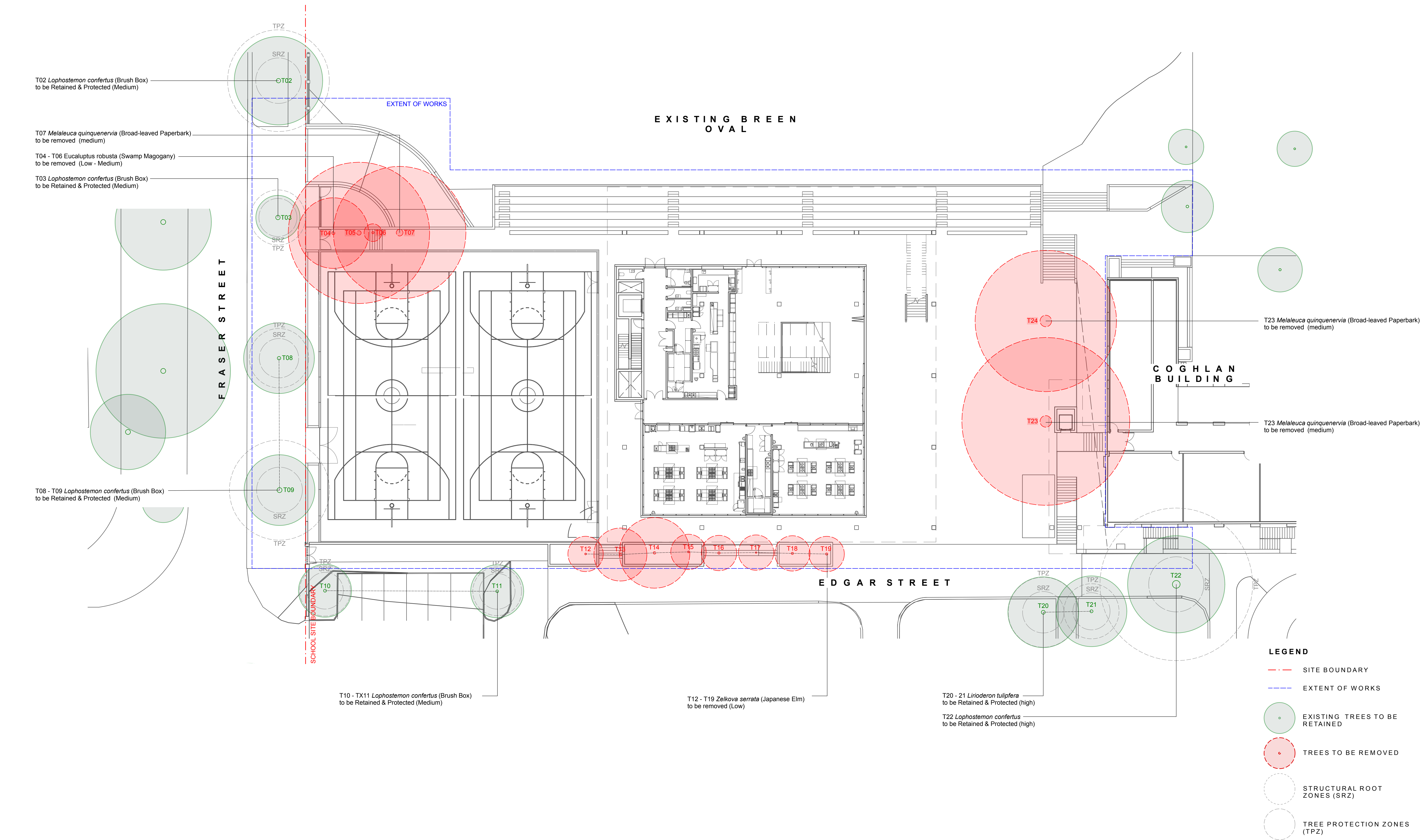
## LANDSCAPE PRECEDENTS



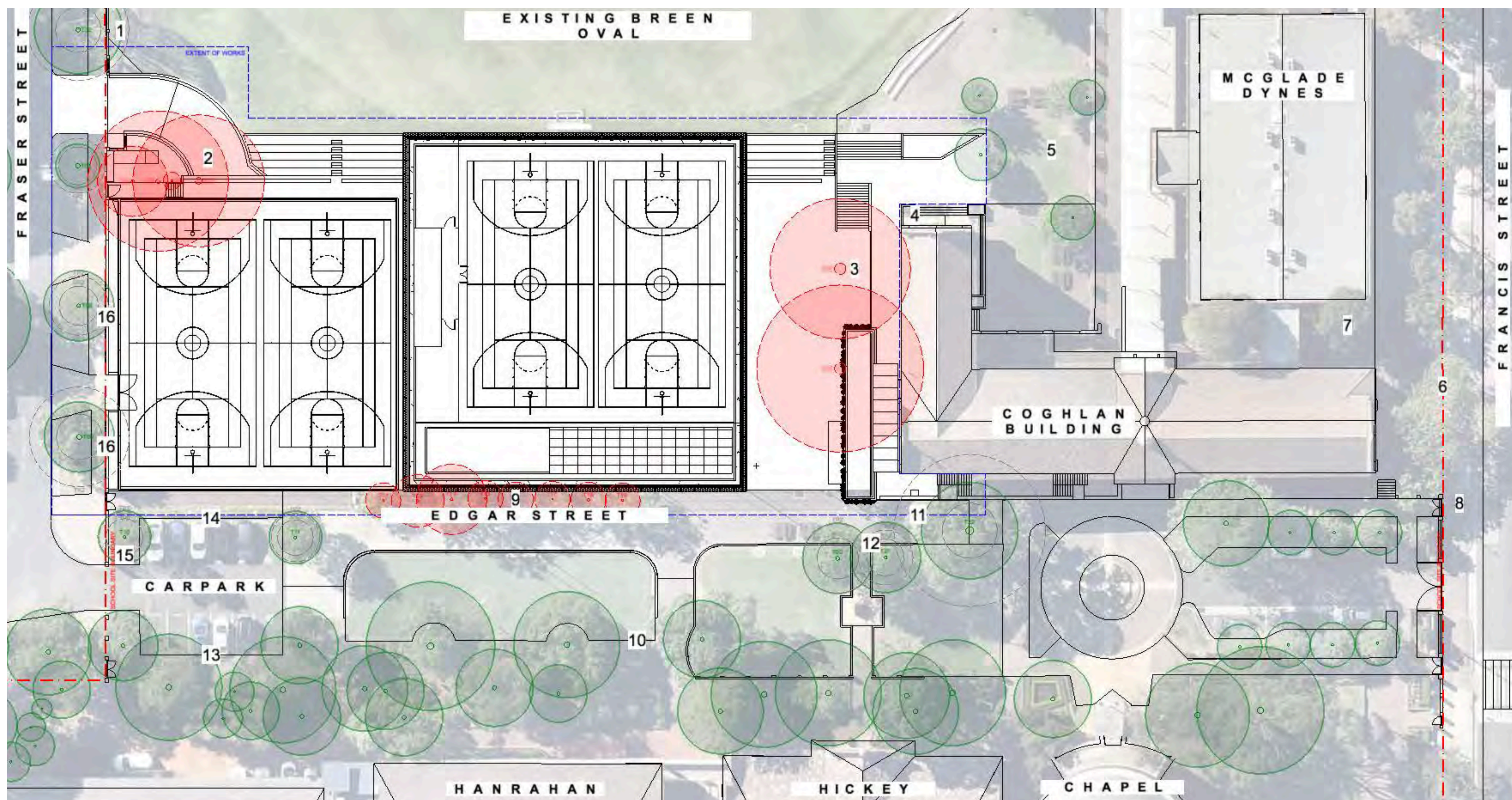
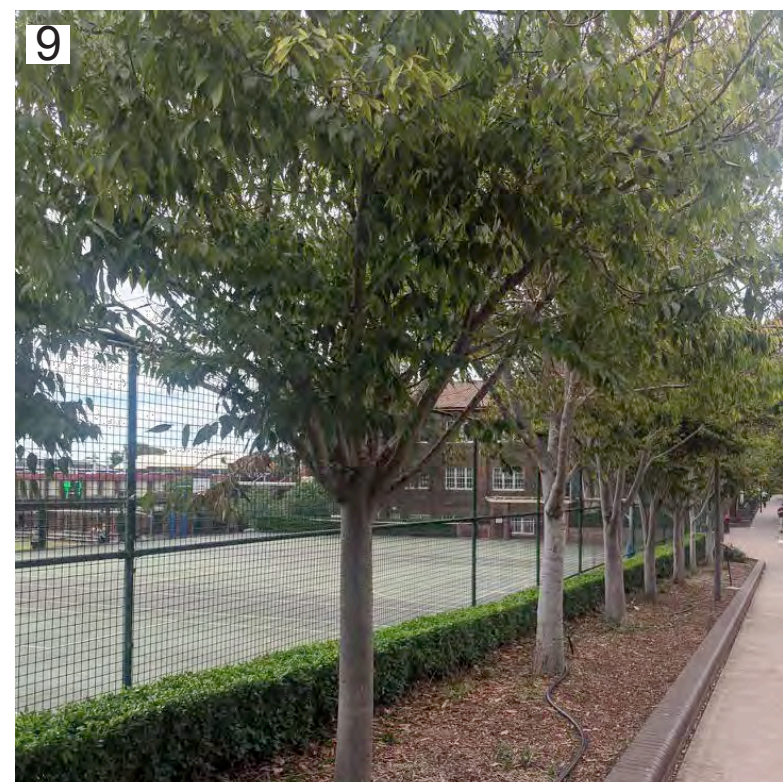
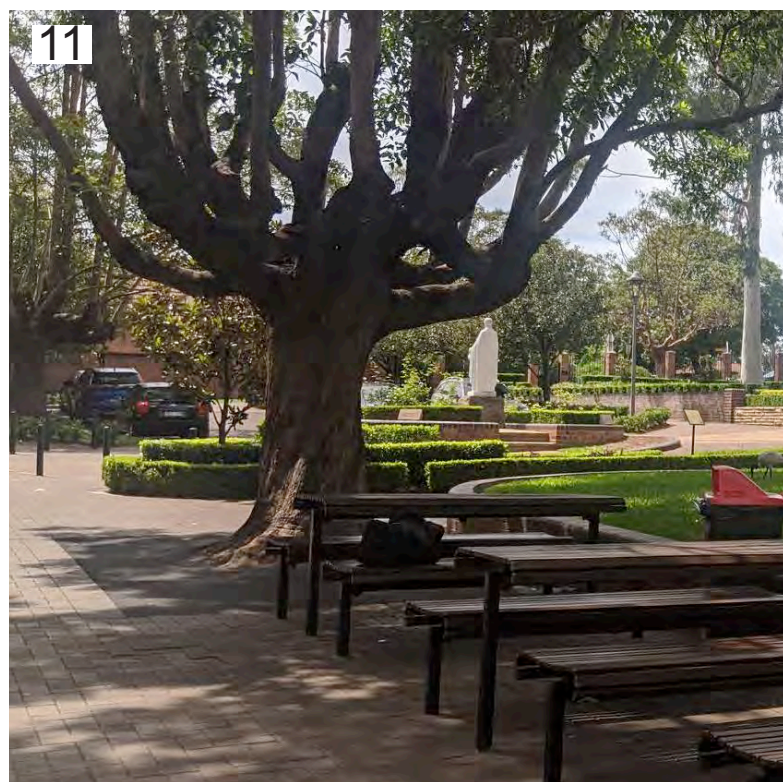
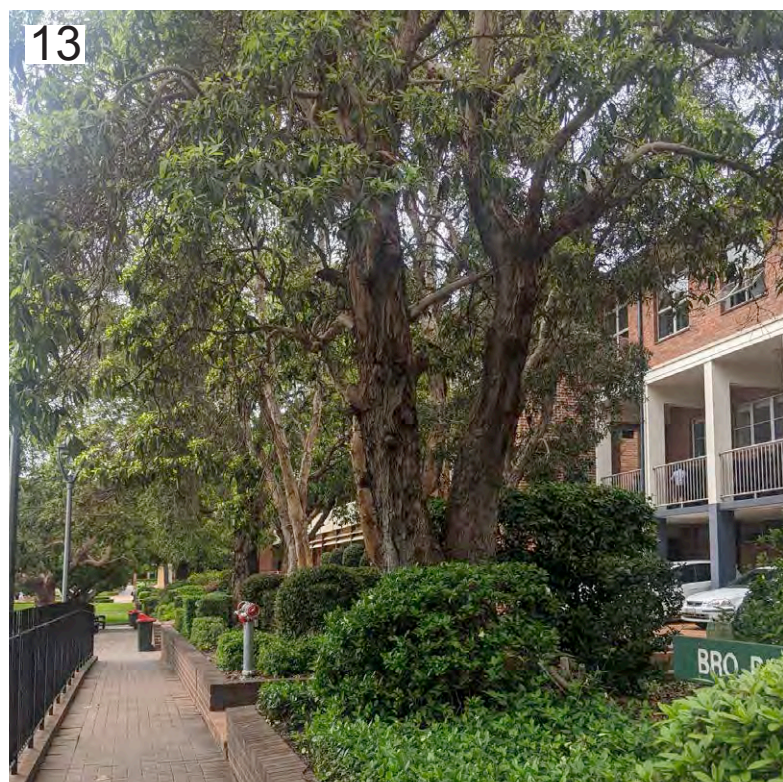
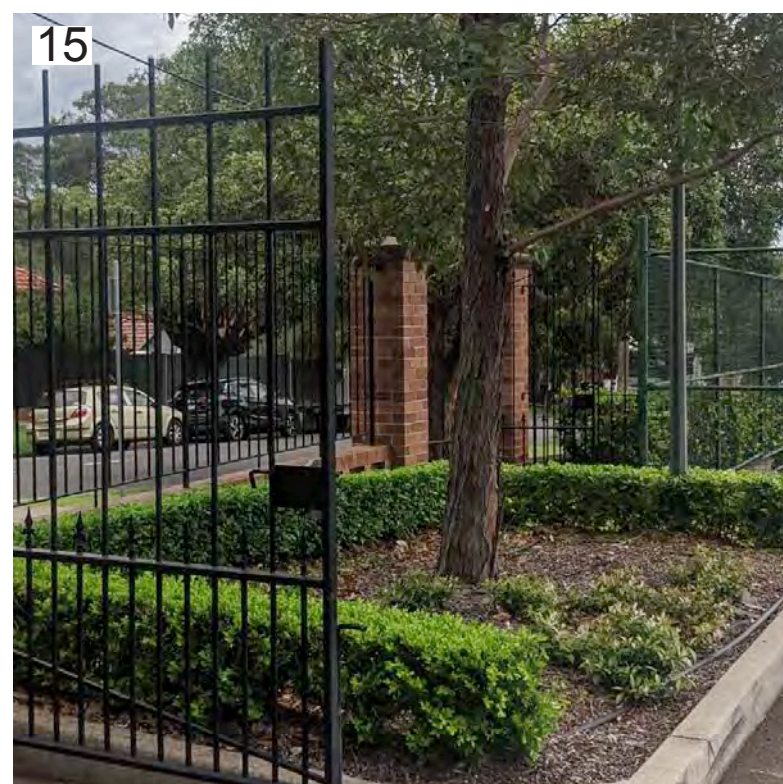
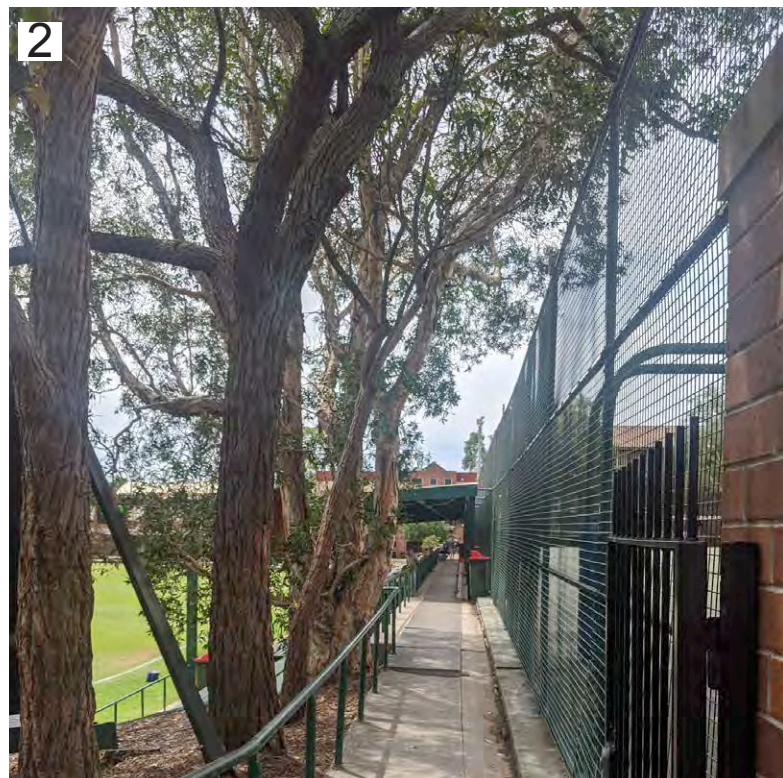
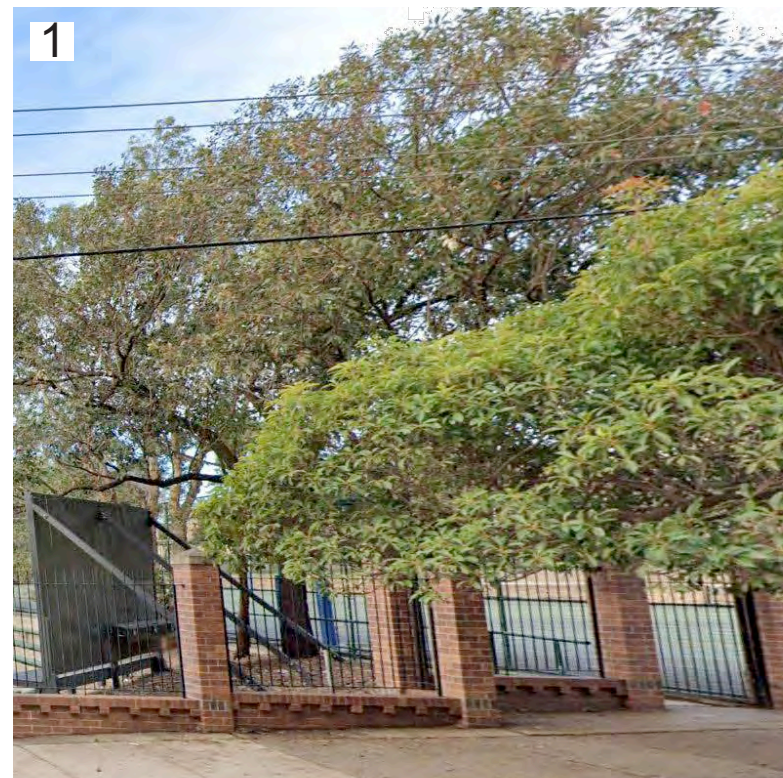
<div>PRELIMINARY NOT FOR CONSTRUCTION</div>	Rev	Amendment	Date	By	<div>IMPORTANT NOTES: Do not make these changes. All drawings are to be checked by the attention of the Project Landscape Architect. Larger scale drawings and smaller dimensions take precedence. All dimensions in mm unless otherwise stated. All dimensions are to be checked by the attention of the Project Landscape Architect. Use figure dimensions only. Check all dimensions and callouts before the commencement of any work. Dimensions shall include and provide for the commencement of any work. Dimensions shall include and provide for the commencement of any work. All work must be carried out in accordance with AS/NZS 854 and Local Government Regulations. Drawings shall be used in accordance with the Engineer's Specifications. Changes &amp; Issues From Client shall be subject to Landscape Engineers' Signatures. All work must be carried out in a professional manner by Qualified Technicians according to Landscape Drawings and Engineer's Specifications. No responsibility will be taken by 360 Degrees Landscape Architects Pty Ltd for any variations in design, construction methods, materials specified, and general specifications without permission from the Project Engineer or Landscape Architect. This Drawing is copyright to 360 Degrees Landscape Architects Pty Ltd.</div>	<div>CUSTOMER</div> <div>CLIENT</div> <div>ST Patrick's College</div>	<div>CHECKED</div> <div>LB</div>	<div>DWG. TITLE Design Statement</div> <div>PROJECT St Patrick's College</div>	<div><div>360°</div><div>Level 1, 1 Mary's Place Surry Hills, 2010</div><div>P 02 9332 3601 W 360.net.au ABN 90 146 901 322</div></div>	<div>L-DA-02</div>
	A	Preliminary	13.03.20	EB		<div>ARCHITECT</div> <div>BVN</div>	<div>DRAWN</div> <div>EB</div>			
	B	Draft SSDA	20.03.20	EB		<div>SCALE</div> <div>N/A @ A1</div>	<div>ISSUED FOR</div> <div>SSDA</div>			
	C	SSDA	06.04.20	EB						



**NOTE:** To be read in conjunction with the Arboricultural Impact Assessment Report by Truth About Trees







Rev	Amendment	Date	By
A	Preliminary	13.03.20	EB
B	Draft SSDA	20.03.20	EB
C	SSDA	06.04.20	EB



**IMPORTANT NOTES:**

- Do not scale from drawings
- All discrepancies to be brought to the attention of the Project Landscape Architect
- Larger scale drawings and written dimensions take precedence. All dimensions in m unless otherwise stated.
- All tree dimensions and RLs in metres
- Use figured dimensions only
- Verify all dimensions on site before the commencement of any works.
- Connections shall locate and protect all services prior to construction.
- All work shall be carried out in accordance with AS/NZS and Local Government Regulations.
- Structural details shall be subject to Engineer's Specifications
- 500mm x 500mm Footings shall be subject to Hydraulic Engineer's Specifications.
- All work shall be carried out in a professional manner by Accredited Tradesman according to Landscape Design Engineer's Specifications.
- Materials to be taken by 360 Degrees Landscape Architects Pty Ltd for any variations in design, cost, method, materials specified, and general specifications without permission from the Project Engineer or Land Architect.

This Drawing is copyright to 360 Degrees Landscape Architects Pty Ltd

CLIENT	St Patrick's College
ARCHITECT	BVN
SCALE	N/A @ A1

CHECKED LB
DRAWN EB
ISSUED FOR SSDA

DWG. TITLE  
**Landscape Context - Planting Character**

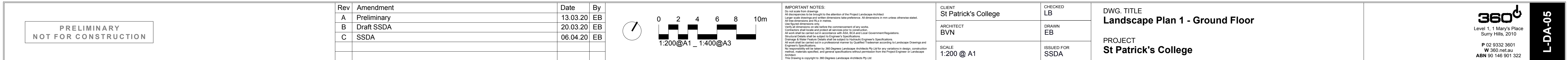
PROJECT  
**St Patrick's College**

**360**<sup>o</sup>  
Level 1, 1 Mary's Place  
Surry Hills, 2010  
**P** 02 9332 3601  
**W** 360.net.au  
**ABN** 90 146 901 322

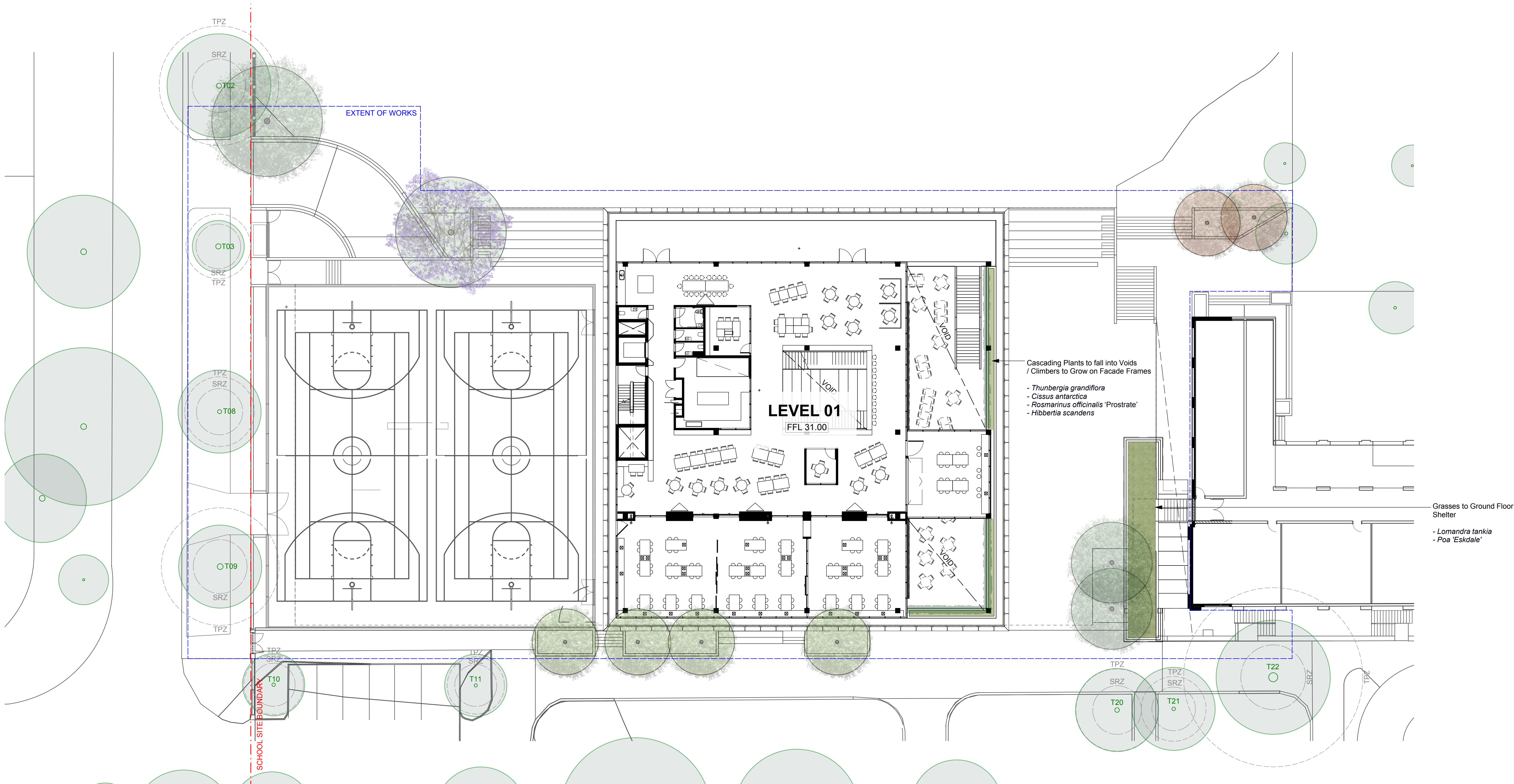
L-DA-04

PRELIMINARY  
NOT FOR CONSTRUCTION



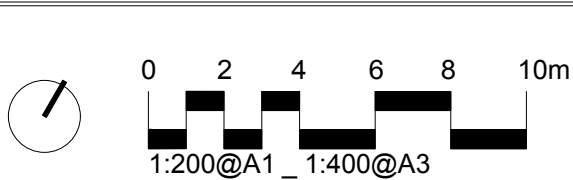






PRELIMINARY  
NOT FOR CONSTRUCTION

Rev	Amendment	Date	By
A	Preliminary	13.03.20	EB
B	Draft SSDA	20.03.20	EB
C	SSDA	06.04.20	EB



**IMPORTANT NOTES:**  
Do not scale from drawings.  
All discrepancies to be brought to the attention of the Project Landscape Architect.  
Larger scale drawings and/or photos take precedence over smaller scale drawings. All dimensions to be unless otherwise stated.  
Use figures dimensions only.  
Verify all dimensions and levels before the commencement of any works.  
Verify all dimensions and levels before the commencement of any works.  
All work shall be carried out in accordance with BCA, BSA and Local Government Regulations.  
Structural work shall be subject to Engineer's Specifications.  
All work shall be carried out in a professional manner by Qualified Tradesmen according to Landscape Drawings and Engineering Specifications.  
The responsibility will be taken by 360 Degrees Landscape Architects Pty Ltd for any variation in design, construction methods, materials specified, and general specifications without amendment from the Project Engineer or Landscape Architect.  
This Drawing is copyright to 360 Degrees Landscape Architects Pty Ltd.

CLIENT  
St Patrick's College  
ARCHITECT  
BVN  
SCALE  
1:200 @ A1

CHECKED  
LB  
DRAWN  
EB  
ISSUED FOR  
SSDA

DWG. TITLE  
**Landscape Plan 2 - Level 01**  
PROJECT  
**St Patrick's College**

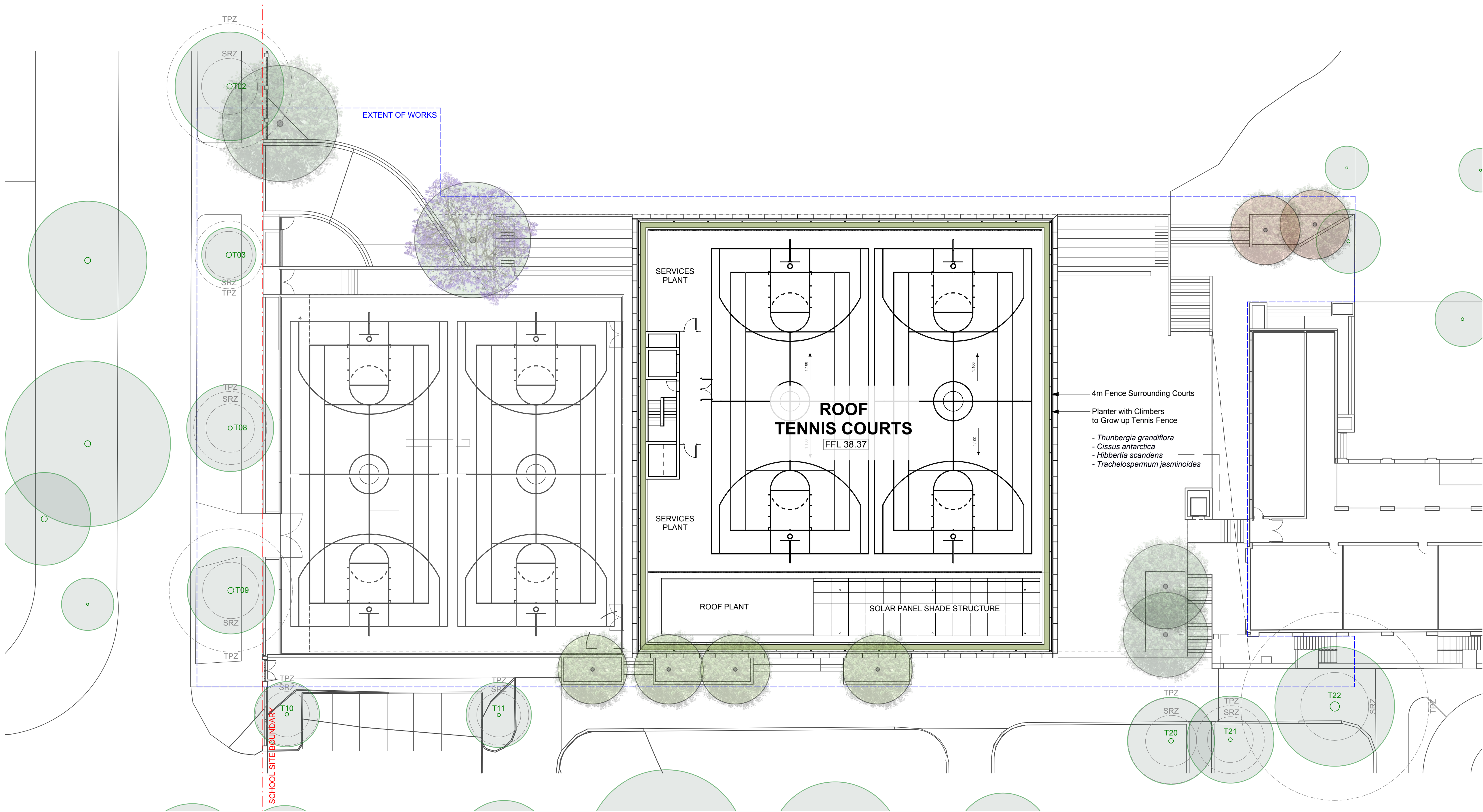
**360°**  
Level 1, 1 Mary's Place  
Surry Hills, 2010  
P 02 9332 3601  
W 360.net.au  
ABN 90 146 901 322

L-DA-06









PRELIMINARY  
NOT FOR CONSTRUCTION

Rev	Amendment	Date	By
A	Preliminary	13.03.20	EB
B	Draft SSDA	20.03.20	EB
C	SSDA	06.04.20	EB



**IMPORTANT NOTES:**  
Do not build first stage.  
All discrepancies to be brought to the attention of the Project Landscape Architect.  
Landscape drawings are not to be used for construction. All dimensions to be unless otherwise stated.  
Use figures dimensions only.  
Verify all dimensions and levels before the commencement of any works.  
Structural drawings and levels subject to Engineer's Specifications.  
All work shall be carried out in accordance with BCA, BSA and Local Government Regulations.  
Structural drawings shall be subject to Engineer's Specifications.  
All work shall be carried out in a professional manner by Qualified Tradesmen according to Landscape Drawings and Engineer's Specifications.  
The responsibility will be taken by 360 Degrees Landscape Architects Pty Ltd for any variations in design, construction methods, materials specified, and general specifications without consent from the Project Engineer or Landscape Architect.  
This Drawing is copyright to 360 Degrees Landscape Architects Pty Ltd.

CLIENT  
St Patrick's College  
ARCHITECT  
BVN  
SCALE  
1:200 @ A1

CHECKED  
LB  
DRAWN  
EB  
ISSUED FOR  
SSDA

DWG. TITLE  
**Landscape Plan 4 - Roof**  
PROJECT  
**St Patrick's College**

**360°**  
Level 1, 1 Mary's Place  
Surry Hills, 2010  
P 02 9332 3601  
W 360.net.au  
ABN 90 146 901 322

L-DA-08





- *Thunbergia grandiflora*
- *Cissus antarctica*
- *Hibbertia scandens*
- *Trachelospermum jasminoides*

- *Thunbergia grandiflora*
- *Cissus antarctica*
- *Rosmarinus officinalis* Prostrate
- *Hibbertia scandens*

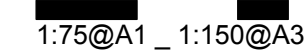


- *Zelkova serrata* trees with
- *Raphiolepis* 'Snow Maiden'
- *Gardenia florida*
- *Neomarica gracilis*
- *Trachelospermum asiaticum*
- *Viola hederacea*

- *Zelkova serrata* trees with
- *Raphiolepis* 'Snow Maiden'
- *Gardenia florida*
- *Neomarica gracilis*
- *Trachelospermum asiaticum*
- *Viola hederacea*

- *Zelkova serrata* trees with
- *Raphiolepis* 'Snow Maiden'
- *Gardenia florida*
- *Neomarica gracilis*
- *Trachelospermum asiaticum*
- *Viola hederacea*

- 2 x *Fraxinus urbanite*
- *Rosmarinus* 'Prostrate'



PROJECT  
**St Patrick's College**











- Maintain whole of landscape works from the date of practical completion of "Landscape Works"
- All work is to be performed in accordance with all applicable laws, ordinances and regulations required by authorities having jurisdiction over such work and are to provide for all inspections and permits required by Federal, State and Local Governments and Authorities in procuring and transporting materials.
- Unless otherwise specified, current relevant Australian Standards are to be observed.
- Ensure site is maintained in a safe, and as far as practicable, clean and tidy condition.
- Airborne dust is to be kept to a minimum.
- Ensure that no spillages or discharges of oil, fuel or other pollutants occur during servicing, refuelling or works operations.
- Driving of vehicles within council parks and reserves is to be minimised.
- Parking and driving of vehicles within TPZ is prohibited.
- Unless absolutely necessary to carry out works, the driving of plant and equipment in the following areas is to be avoided:
  - irrigated areas
  - landscaped areas
  - tree root zones
  - Council infrastructure areas.
- Access to open space areas for specific works is to be coordinated with the Superintendent.

- Contractor is to rectify, at their own expense, any damage to landscaped areas, including compaction and wheel ruts
  - shrubs, plants and trees
  - footpaths
  - medians
  - kerb and channel
  - any other council or public property caused by maintenance operations or the movement of vehicles or plant.
- Uphold a no net loss of vegetation philosophy, and all plants that are damaged beyond rectification (as assessed by Project Arborist) are to be replaced at a minimum ratio of 1:1.
- If a tree is removed in error or damaged beyond the point of rectification, a 'no net canopy loss offset' replacement is required. This offset considers the area of the tree canopy and number of new trees to achieve the same area of canopy within a given timeframe.

- watering
- weeding
- rubbish removal
- fertilising
- pest and disease control
- reseeding
- staking and tying replanting
- cultivating
- pruning
- hedge clipping
- aerating
- mulch reinstatement
- renovation
- Trellis maintenance
- Provide the Superintendent with a report (at monthly intervals) of activities completed

- Inspect garden beds and mass planting areas for weeds and rectify as required to prevent seeding, germination and competition.
- Weeds within tree basins are to be removed by hand.
- Retaining mulch levels within tree basins assists in keeping weed growth to a minimum.
- Stream banks, damp exposed areas and other weed prone areas are to have appropriate weed control measures enforced.
- Hand weeding should be part of an integrated approach to weed control, particularly if there is a possible risk to waterways or damaging desirable plant species.
- Avoid herbicide residue leaching into nearby waterways.
- Eradicate weeds using an approved herbicide.
- Adhere strictly to manufacturers application instruction, rates and safety procedures.
- Herbicides are to be applied outside normal operating areas, but not during extreme temperature or high wind periods.
- Watering is to be delayed for the recommended period after application.

- Immediate notice is to be given to Superintendent when evidence of significant insect attack or disease amongst plant material is found.
- If pests and diseases are identified, affected portions are to be removed from the plant and disposed of off site.
- Chemical methods are to be secondary control measures where pruning is not successful. Where required, spray with non-toxic organic pesticide, fungicide, or both, at the discretion of the Superintendent / Arborist.
- Approval is to be obtained from Superintendent 5 days prior to the use of pest and disease control chemicals.
- Adhere strictly to manufacturers application instructions, rates and safety procedures.
- Pesticides are to be applied outside normal operating hours.
- Pesticides are not to be applied during extreme temperature, high wind or rain periods.
- Irrigation is to be delayed for the recommended period after application.

- Waste from contractors activities is to be removed from site.
- In hardstand areas, vegetative matter is to be removed from around trees and shrubs.
- Mulch spilt from garden areas is to be reinstated
- Collection of all hard waste and litter from within the subject site
- Sweep/vacuum leaf litter

- Mass planted areas, trees and palms are to be sufficiently watered to maintain adequate soil moisture during the specified maintenance period. This should be achieved using low pressure with adequate volume.
- Generally every two to three days in summer.
- Generally every three to four days in winter.
- Allow soil surface to partially dry out between watering.
- Watering shall be increased during periods of wind, drought and/or where soils have low moisture retaining characteristics.
- Rates may be decreased during periods of high rainfall.
- Ensure moisture is maintained in planting media in sufficient quantities to promote plant growth and minimise stress after installation.
- Watering is to be prioritised for early morning or night application to lessen evaporation.
- Water used for plant establishment and maintenance is to have:
  - a pH of between 5.5 – 7.5
  - total soluble salts less than 1000mg/L
  - no phytotoxic substances.

- Prior to pruning activities, plants are to be evaluated for natural growth habit and relationship to total landscape.
- Shrubs and groundcovers are to be pruned to encourage natural plant form.
- Smooth, clean cuts are to be used to encourage fast healing.
- Equipment is to be sharp and sized appropriately for pruning requirements.
- Generally, plants are to be pruned after flowering.
- The combined techniques of thinning out and dead heading are to be used to encourage natural growth habit.
- Remove dead organic matter and diseased plant material.
- Remove branches and foliage overhanging pavements and paths, in line with current standards for road and footpath clearances.
- All vines and creepers are to be pruned to keep clear of all tree trunks and canopies

- Shrubs
- Prune in a manner that encourages natural form.
- Allow skirt to grow down to ground level.
- Do not prune off bottom growth.
- Groundcovers
- Prune to encourage dense coverage.
- Vines
- Encourage horizontal spread by removing vertical growth.
- Allow spreading to form a dense mat.
- Trim groundcovers in planter boxes to formalise cascading beyond the planter.
- Prune to keep the height and spread in scale with surrounding planter boxes and remove runners that have a tangled appearance

- A general purpose fertiliser is to be applied as per the manufacturers application instructions, rates and safety procedures.
- Soils are to be moist.
- Irrigation systems or hand held hoses are to be used to wash excess fertiliser from plants to prevent burning.
- Landscaped areas are to have repeat irrigation the morning following the fertiliser application.

- Where plants fail or die during the 'on maintenance' period, it is the contractors responsibility to replace those plants, as soon as practicable.
- Approval is required by the Superintendent prior to purchasing and planting of replacement plants.
- Replacement plants are to be the same size as described in the contract, plant schedule and/or landscape drawings.

<div>PRELIMINARY</div> <div>NOT FOR CONSTRUCTION</div>	Rev	Amendment	Date	By	<p><b>IMPORTANT NOTES:</b></p> <p>Do not scale from drawings.</p> <p>All dimensions shall be brought to the attention of the Project Landscape Architect.</p> <p>Larger note drawings and written dimensions take preference. All dimensions in mm unless otherwise stated.</p> <p>All dimensions and SCA to metric.</p> <p>Do not scale from drawings.</p> <p>Verify all dimensions on site before the commencement of any works.</p> <p>Complete site layout and confirm all services prior to construction.</p> <p>All work shall be carried out in accordance with AS/NZS, BCA and Local Government Regulations.</p> <p>Structural Details shall be subject to Engineer's Specifications.</p> <p>Designs and Details require approval to be obtained by the relevant Engineering Department.</p> <p>All work shall be carried out in a professional manner by Qualified Tradesmen according to Landscape Drawings and Engineer's Specifications.</p> <p>Responsibility will be taken by 360 Degrees Landscape Architects Pty Ltd for any variations in design, construction methods, materials specified, and general specifications which arise from the Project Engineer or a Landscape Architect.</p> <p>The Drawing is copyright to 360 Degrees Landscape Architects Pty Ltd.</p>	<p><b>CLIENT</b></p> <p>St Patrick's College</p> <p><b>ARCHITECT</b></p> <p>BVN</p> <p><b>SCALE</b></p> <p>N/A @ A1</p>	<p><b>CHECKED</b></p> <p>LB</p> <p><b>DRAWN</b></p> <p>EB</p> <p><b>ISSUED FOR</b></p> <p>SSDA</p>	<p>DWG. TITLE</p> <p><b>Landscape Maintenance Statement 1</b></p> <p><b>PROJECT</b></p> <p><b>St Patrick's College</b></p>	<p><b>360</b></p> <p>Level 1, 1 Mary's Place Surrey Hills, 2010</p> <p>P 02 9332 3601 W 360.net.au ABN 90 146 901 322</p>	<p><b>LDA-12</b></p>
	A	Preliminary	13.03.20	EB						
	B	Draft SSDA	20.03.20	EB						
	C	SSDA	06.04.20	EB						



TREE MAINTENANCE

GENERAL PRUNING

- All tree pruning, maintenance, pest and disease control, etc. is to be undertaken under the guidance and supervision of a council approved Arborist.
- Prior to commencing any pruning operation, evaluate trees for their natural growth habit and relationship to the total landscape.
- Pruned trees are to be left in an aesthetically pleasing condition.
- Trees are to maintain a shape and character appropriate for the species and the environment.
- Tree pruning may be required to:
  - enhance tree health and structure
  - reduce failure risk
  - meet specified clearance requirements
  - meet traffic visibility requirements
  - improve form
  - encourage growth direction in young trees.
- Pruning is to be undertaken by a qualified Arborist, experienced in the formative pruning of young trees and in a manner that minimises damage to trees, in accordance with AS 4373:2007 – Pruning of Amenity Trees.
- Key elements of this include:
  - no lopping or topping of trees
  - no flush cuts
  - no greater than 25% of tree crown removed.
- generally to be pruned to maintain clearances and access beneath the canopy
- remove lower branches where required, to provide clearance over footpaths and roads to improve visibility and maintain CPTED guidelines
- remove dead, diseased or damaged limbs
- remove suckers from the base of tree
- improve the structure of tree, e.g. pruning to define a leader in a codominant tree.
- formative pruning works are to focus on defining a leading stem or to improve the overall branching framework or structure of a tree.

DAMAGE

- Where damage occurs to trees as a result of the actions of the contractor, the contractor will be held responsible for the repair or replacement of tree or palm stock.

DISPOSAL OF PLANT MATERIAL

- Dead timber, dead trees and large diameter trunks are to be removed from site by the contractor and delivered to green waste dumps
- Contaminated or infected materials must be taken directly to a tipping site

SOIL AERATION

- Deep aeration of the soil should be conducted to decompact tree root zones, where required.
- Equipment that uses compressed air to fracture the soil is to be utilised for decompaction work e.g. Air spade or equivalent.

FERTILISiNG

Large trees:

- Core 50mm holes around the drip line perimeter 500mm apart and 500mm deep.
- Backfill holes with a mixture of 50% soil and 50% Dynamic Lifter (or equivalent) granular form.
- Use a liquid soil injection system at the same spacing around the dripline, as described above.

Smaller, young trees:

- Surface fertiliser with Dynamic Lifter (or equivalent) and cultivate lightly into the ground surface.

RE-MULCHING

- Replenish mulched areas to maintain a consistent depth of 75mm–100mm.
- Mulch used is to match originally specified material.
- Mulch is to be raked to an even surface to the level of the surrounding finish.
- Spread mulch so that after settling it is smooth and evenly graded toward the base of plant stems, forming a shallow dish drain with the aim of preserving soil moisture, providing essential soil nutrients and suppressing weed growth.
- Mulch is not to be closer than 100mm from the plant stem / trunk

REPLACEMENT

- Replacement trees or palms are to be the same size and type as described in the contract

FACADE PLANTING MAINTENANCE

Routine maintenance of the vertical mesh trellis systems are to be undertaken only by the manufacturer/provider or their nominated personnel. Following completion of the 'on' maintenance period, the contractor is to provide a detailed maintenance manual for the system. During the maintenance period, site visits are to be undertaken on a weekly basis for the initial period of 8 weeks post practical completion, then reducing to bi-monthly visits. Below is a summary of the observations and actions that are to be carried out during each visit.

Observations

- Comment on plant performance, make note of each species in reference to their appearance since last visit.
- Look for damage resulting from pests or disease on each species
- Check growth rate and performance
- Soil moisture level

Actions

- Check and adjust as appropriate pH or nutrient levels of the soil
- Treat for pests and disease as necessary
- Remove irrigation filter and clean (monthly)
- Adjust irrigation rates according to season and external factors
- check for dead or unhealthy foliage and remove using appropriate methods to avoid risk of infection to plants
- prune any plants that are growing too far from intended cable system
- Trim plants as necessary to encourage lateral or branching growth to avoid woody understory
- Remove weeds

Recording

- Observations of plant performance
- Current irrigation schedule and adjustments
- Document pictures
- Additions of nutrients etc
- Pest or disease presence and treatment

<div>PRELIMINARY NOT FOR CONSTRUCTION</div>	Rev	Amendment	Date	By	<div>IMPORTANT NOTES: Do not scale from drawings. All dimensions to be brought to the attention of the Project Landscape Architect. Larger scale drawings and/or photos supersede this preference. All dimensions to be unless otherwise stated. All dimensions are to be in metres. Use figure dimensions only. Verify all dimensions and do not proceed before the commencement of any work. All work shall be carried out in accordance with BCA, BSA and Local Government Regulations. Structural details shall be subject to Engineer's Specification. All work shall be carried out in a professional manner by Qualified Tradesmen according to Landscape Drawings and Company Specifications. The responsibility will be taken by 360 Degrees Landscape Architects Pty Ltd for any variations in design, construction methods, materials specified, and general maintenance without permission from the Project Engineer or Landscape Architect. This Drawing is copyright to 360 Degrees Landscape Architects Pty Ltd.</div>	CLIENT St Patrick's College	CHECKED LB	DWG. TITLE <b>Landscape Maintenance Statement 2</b>	<div><div>360°</div><div>Level 1, 1 Mary's Place Surry Hills, 2010</div><div>P 02 9332 3601 W 360.net.au ABN 90 146 901 322</div></div>	PROJECT <b>St Patrick's College</b>
	A	Preliminary	13.03.20	EB		ARCHITECT BVN	DRAWN EB			
	B	Draft SSDA	20.03.20	EB		SCALE N/A @ A1	ISSUED FOR SSDA			
	C	SSDA	06.04.20	EB						



‘ON’ MAINTENANCE ACTIVITY SCHEDULE (ESTABLISHMENT & DEFECTS LIABILITY PERIOD)

ACTIVITY	OTHER	WEEKLY	MONTHLY	3 MONTHS	6 MONTHS	ACTION
GENERAL						
Logbook		☉ Summer	☉ Winter			Complete a logbook entry of maintenance work every day at site and at least every two weeks. All actions listed below require a logbook entry. Include details of any chemicals used. Make the log book available for inspection on request. Submit copies of new entries in the logbook to the Contract Administrator on a monthly basis.
PLANTS						
Plants		☉ Summer, Winter during weeks 1-12 from Practical Completion	☉ Winter after 12 weeks from Practical Completion			Inspect all garden beds and planter boxes and attend to all softworks maintenance requirements as required. Inspect and remove spent flowers and dead stalks as they become apparent.
Hand Watering	Every day irrigation does not run during weeks 1-12 after Practical Completion. Afterwards as required.					Supplement irrigation with handwatering during the establishment period. Watering will be dependant on plant requirements, seasonal changes and prolonged periods of dry and windy weather. Adjust as required for optimal plant growth. Do not allow soil and plants to dehydrate. Water in the early morning or late afternoon to avoid excessive evaporation during the heat of the day. Comply with authority regulations for water use where applicable.
Stakes and Ties		☉ Summer	☉ Winter			Inspect and adjust and/or replace as necessary but remove as plants mature and are able to support themselves.
Trailing Plants		☉ Summer	☉ Winter			Inspect groundcovers are trailing and train or prune as required
Overgrown vegetation		☉ Summer	☉ Winter			Inspect and remove overgrown vegetation including that growing on paths and hardscapes
Pruning		☉ Summer	☉ Winter			Inspect and prune as necessary to remove dead wood, improve plant shape and promote healthy vigorous new growth.
Leaf Litter		☉ Summer	☉ Winter			Remove leaf litter as necessary
Pest and Disease Control		☉ Summer	☉ Winter			Inspect and action as necessary. Use pesticides only if non-chemical methods will not be effective. Spray for disease control only when absolutely necessary.
Plant Replacement		☉ Summer	☉ Winter			Inspect and replace failed, damaged or stolen plants within 2 weeks of observation. Match species, original size and location of new with old.
Fertilising					☉	Fertilise gardens every 3 months or other frequency in accordance with fertiliser manufacturer's directions.

GARDEN BEDS AND PLANTER BOXES							
Weeding		☉ Summer	☉ Winter				Remove all weeds and dispose off site legally
Erosion Control		☉ Summer	☉ Winter				Inspect and repair ground, soil and mulch immediately. Maintain erosion control device as necessary.
Remulching		☉ Summer	☉ Winter		☉ Topup		Inspect and replace mulch deficiencies within 2 weeks of observation. Prior to placing new mulch aerate the soil by fork turning to a depth of at least 100mm, roughly level the soil and then place mulch. Do not disturb major plant roots while aerating soil. Top up mulch every 3 months.
Soilworks					☉		Check soil depths for slumping and top up to design levels using original specified soils
IRRIGATION AND DRAINAGE							
Inspect irrigation system		☉ Summer	☉ Winter				Inspect and adjust the irrigation system to suit plant requirements, seasonal changes and prolonged periods of dry and windy weather.
Inspect and clear drains			☉				Inspect clear drains immediately. Additional inspections are required after heavy rainfall.
HARDWORKS							
Inspect all fixtures and fittings		☉					Inspect and adjust all fixtures and fittings to original specification. Replace as necessary
Oil timber						☉	Oil timber every 6 months or to manufacturer's recommendations
MISCELLANEOUS WORKS							
Litter		☉					Remove all litter, rubbish and debris and the like offsite. Dispose of legally. Do not place in public or other residents bins.
Clean Site		☉					Remove all grass clippings, weeds, dead plant material and the like offsite. Dispose of legally. Do not place in public or other residents bins.
Urgent Works							As required. Complete immediately and within 24hrs of notification

‘ON’ MAINTENANCE IRRIGATION SYSTEM MINIMUM REQUIREMENTS

IRRIGATION	SUMMER	WINTER	ACTION
WEEKS 1-12 AFTER PC			
Plants	4x per week 20mins each run at 5am	3x per week 20mins each run at 5am	Inspect irrigation system weekly at a minimum and adjust to suit zoning and plant requirements, seasonal changes and prolonged periods of wet or dry and windy weather.
AFTER 12 WEEKS FROM PC			
Plants	3x per week 20mins each run at 5am	3x per week 20mins each run at 5am	Inspect irrigation system weekly at a minimum and adjust to suit zoning and plant requirements, seasonal changes and prolonged periods of wet or dry and windy weather.

Rev	Amendment	Date	By
A	Preliminary	13.03.20	EB
B	Draft SSDA	20.03.20	EB
C	SSDA	06.04.20	EB

IMPORTANT NOTES:  
Do not build from drawings.  
All discrepancies to be brought to the attention of the Project Landscape Architect.  
Larger scale drawings and/or photos to be provided. All dimensions to be unless otherwise stated.  
All dimensions are to be in metres.  
Use figure dimensions only.  
Verify all dimensions and/or levels before the commencement of any work.  
Verify all dimensions and/or levels before the commencement of any work.  
All work shall be carried out in accordance with BCA, BSA and Local Government Regulations.  
Structural details shall be subject to Engineer's Specification.  
Consult with relevant authorities and/or suppliers to establish the correct specifications.  
All work shall be carried out in a professional manner by Qualified Tradesmen according to Landscape Drawings and Engineer's Specifications.  
The responsibility will be taken by 360 Degrees Landscape Architects Pty Ltd for any variation in design, construction, materials, standards specified, and general maintenance without limitation from the Project Engineer or Landscape Architect.  
This Drawing is copyright to 360 Degrees Landscape Architects Pty Ltd.

CLIENT  
St Patrick's College  
  
ARCHITECT  
BVN  
  
SCALE  
N/A @ A1

CHECKED  
LB  
  
DRAWN  
EB  
  
ISSUED FOR  
SSDA

DWG. TITLE  
**Landscape Maintenance Statement 3**  
  
PROJECT  
**St Patrick's College**

**360**  
Level 1, 1 Mary's Place  
Surry Hills, 2010  
P 02 9332 3601  
W 360.net.au  
ABN 90 146 901 322

L-DA-14

PRELIMINARY  
NOT FOR CONSTRUCTION