



ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 F 02 9957 3977 W ARTERRA.COM.AU

PROJECT & CLIENT

Warringah Mall Stage 2

Stage 2

Lot 100, DP1015283, 145 Old Pitwater Rd Brookvale NSW 2100

Prepared for :

Scentre Design & Construction Pty Ltd

Landscape Concept Plans



Over View - Main Pedestrian Entry

DRAWING INDEX

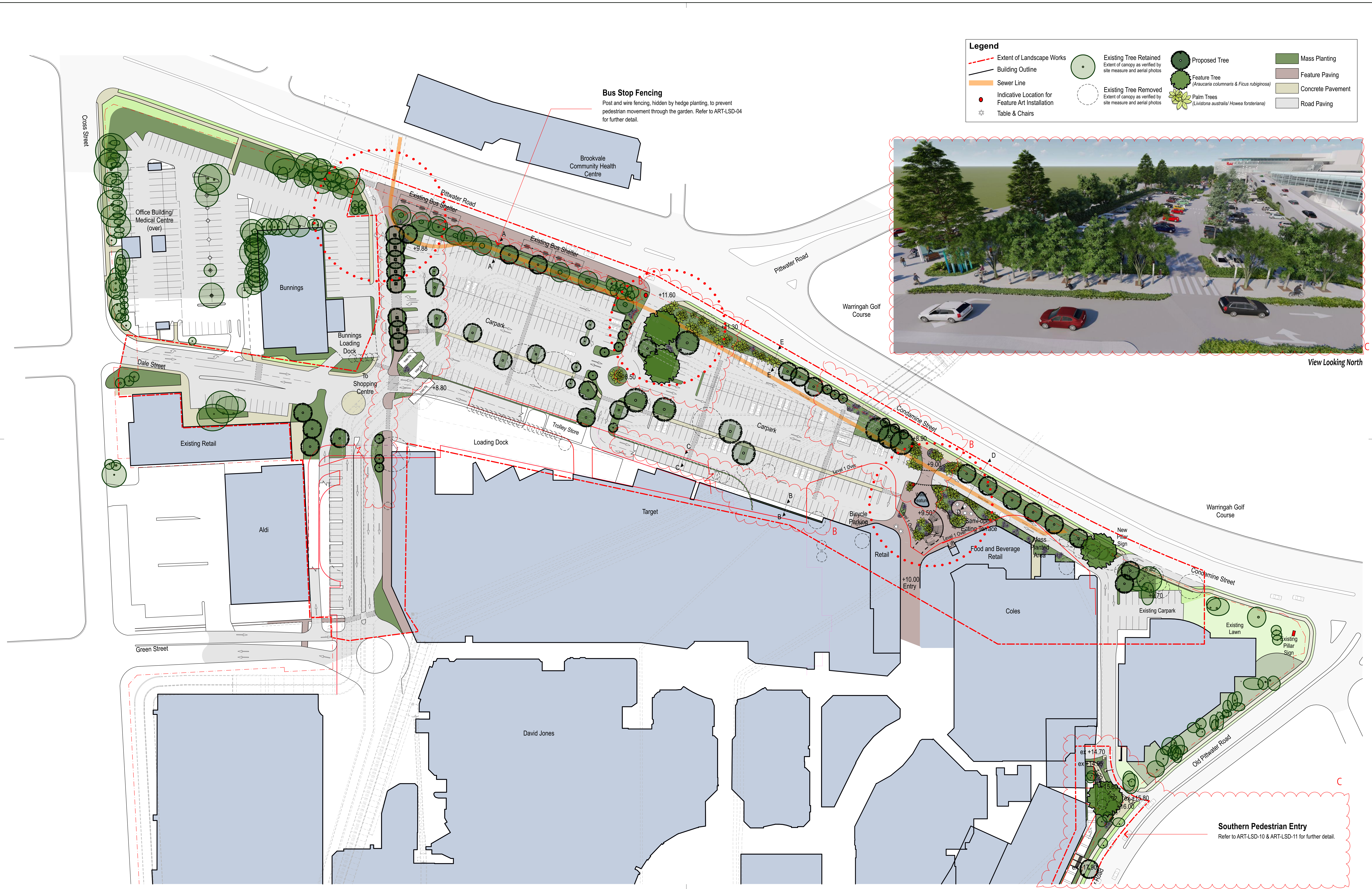
Drawing No:	Drawing Name	Current Rev.
ART-LSD-00	Cover Sheet	C
ART-LSD-01	Overall Landscape Plan - Ground Level	C
ART-LSD-02	Northern Entry Landscape Plan	C
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DATE :

28 May 2019

ISSUE :

FOR DEVELOPMENT APPLICATION



Legend

- Extent of Landscape Works
- Building Outline
- Sewer Line
- Indicative Location for Feature Art Installation
- Table & Chairs
- Existing Tree Retained
- Existing Tree Removed
- Proposed Tree
- Feature Tree
- Palm Trees
- Mass Planting
- Feature Paving
- Concrete Pavement
- Road Paving

Bus Stop Fencing
 Post and wire fencing, hidden by hedge planting, to prevent pedestrian movement through the garden. Refer to ART-LSD-04 for further detail.



Southern Pedestrian Entry
 Refer to ART-LSD-10 & ART-LSD-11 for further detail.

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NOTE
 Refer to the Arboricultural Impact Assessment Report and drawings ART-T-01 to ART-T-07 for full description of trees to be retained and removed.



REVISION	DESCRIPTION	CHKD	DATE
C	For Development Application - Changes Clouded	RWS	28/05/19
B	For Development Application - Changes Clouded	RWS	25/03/19
A	For Development Application	RWS	12/07/18

PROJECT & CLIENT
 Warringah Mall Stage 2
 Scentre Design & Construction Pty Ltd

DRAWING NUMBER
 ART-LSD-01

REVISION
 Project No : 16.36
 Designed : RWS
 Drawn : RWS/CB
 Scale : 1:500@A0, 1:1000@A2

Plotted at : 5:32 pm 28/5/19

Retain Existing Planting

Existing trees and plantings that were installed at the time of the Department of Transport Works are to be retained.

- Liriope 'Evergreen Giant'
- Correa reflexa 'Dusky Bells'
- Rhaphiolepis indica
- Agave attenuata

- Liriope 'Evergreen Giant'
- 2 Caesalpinia ferrea
- Correa reflexa 'Dusky Bells'
- Liriope 'Evergreen Giant'
- Murraya paniculata
- 2 Caesalpinia ferrea
- Liriope 'Evergreen Giant'
- Rhaphiolepis indica

- Bunnings
- Rhaphiolepis indica
- Murraya paniculata
- 1 Waterhousea floribunda 'Green Avenue'
- 1 Caesalpinia ferrea
- Philodendron 'Xanadu'
- Liriope 'Evergreen Giant'
- Rhaphiolepis indica
- Murraya paniculata
- Rhaphiolepis indica

- Liriope muscari 'Evergreen Giant'
- Liriope 'Evergreen Giant'

- Westringia fruticosa
- Liriope 'Evergreen Giant'
- Rhaphiolepis indica
- Rhaphiolepis indica
- 4 Lophostemon confertus
- Gardenia jasminoides
- Liriope 'Evergreen Giant'
- Liriope 'Evergreen Giant'
- Clivia miniata
- 3 Magnolia grandiflora

- Murraya paniculata
- Correa reflexa 'Dusky Bells'
- Glochidion ferdinandi
- Molineria capitulata
- Alpinia zerumbet

- Rhaphiolepis indica
- Gardenia jasminoides
- Philodendron 'Xanadu'
- 4 Tristaniopsis laurina 'Luscious'
- Westringia 'Aussie Box'
- Rhaphiolepis indica
- Gardenia jasminoides
- Liriope muscari 'Evergreen Giant'

- 3 Waterhousea floribunda 'Green Avenue'
- 1 Tristaniopsis laurina 'Luscious'
- 1 Caesalpinia ferrea
- Liriope muscari 'Evergreen Giant'
- 2 Waterhousea floribunda 'Green Avenue'
- 4 Angophora costata
- Liriope muscari 'Evergreen Giant'
- 4 Elaeocarpus eumundii
- Juniperus conferta

- 1 Tristaniopsis laurina 'Luscious'
- Liriope muscari 'Evergreen Giant'
- Juniperus conferta
- 1 Glochidion ferdinandi
- Liriope muscari 'Evergreen Giant'

Legend

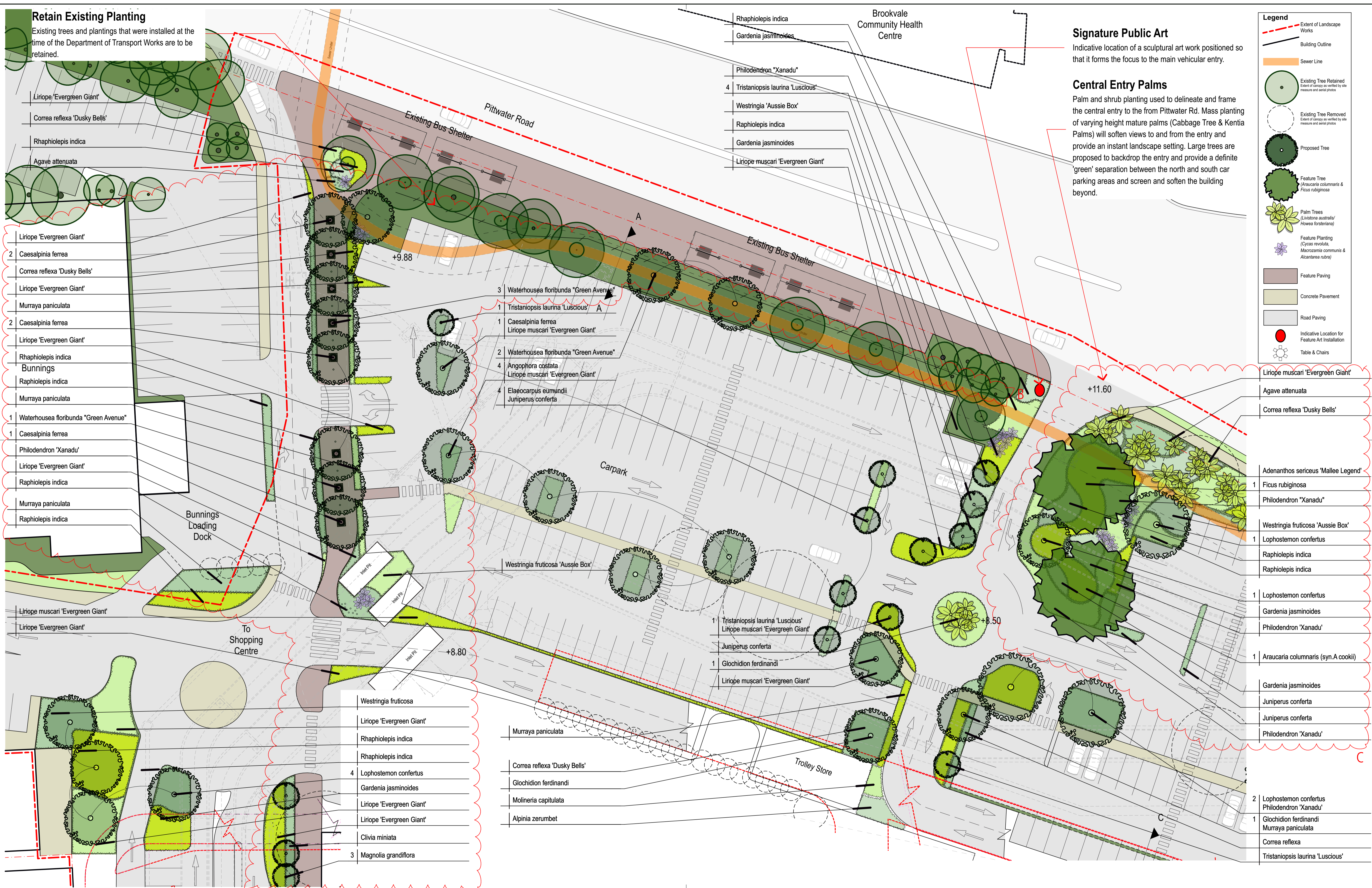
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- Building Outline
- Sewer Line
- Existing Tree Retained
- Existing Tree Removed
- Proposed Tree
- Feature Tree
- Palm Trees
- Feature Planting
- Feature Paving
- Concrete Pavement
- Road Paving
- Indicative Location for Feature Art Installation
- Table & Chairs

Signature Public Art

Indicative location of a sculptural art work positioned so that it forms the focus to the main vehicular entry.

Central Entry Palms

Palm and shrub planting used to delineate and frame the central entry to the from Pittwater Rd. Mass planting of varying height mature palms (Cabbage Tree & Kentia Palms) will soften views to and from the entry and provide an instant landscape setting. Large trees are proposed to backdrop the entry and provide a definite 'green' separation between the north and south car parking areas and screen and soften the building beyond.



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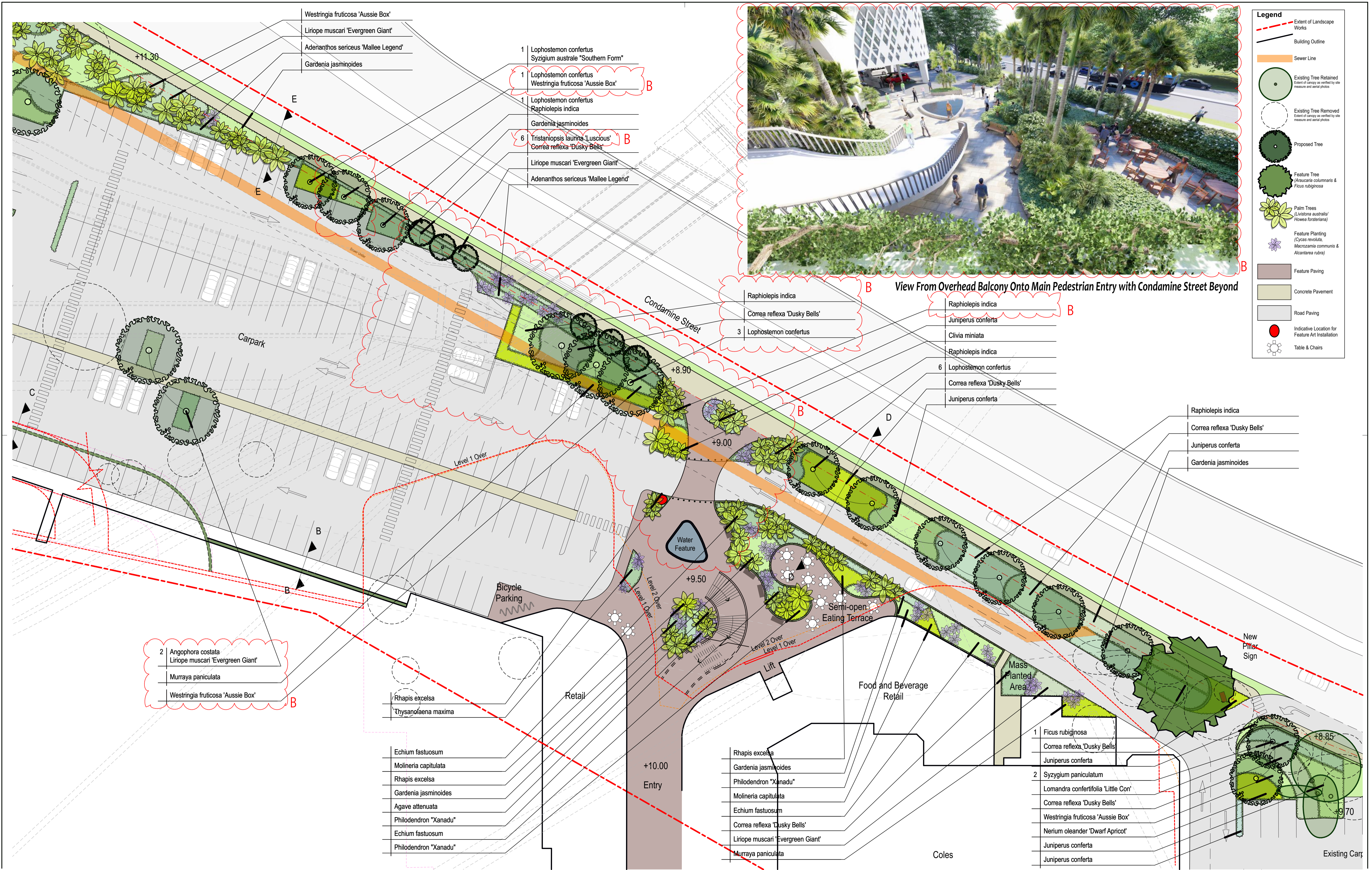
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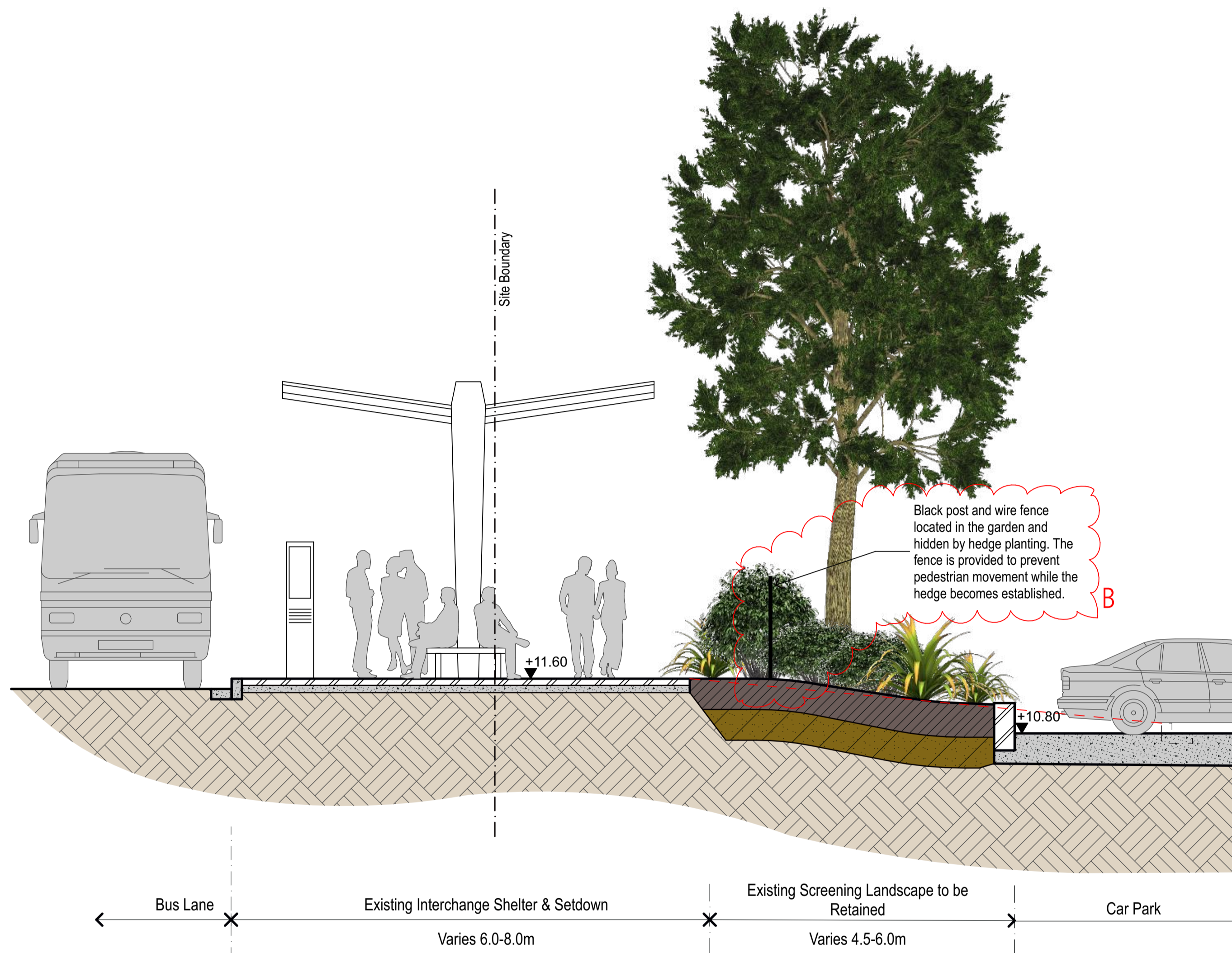
DRAWING NUMBER
Northern Entry Landscape Plan
 ART-LSD-02

Plotted at : 5:32 pm 28/5/19

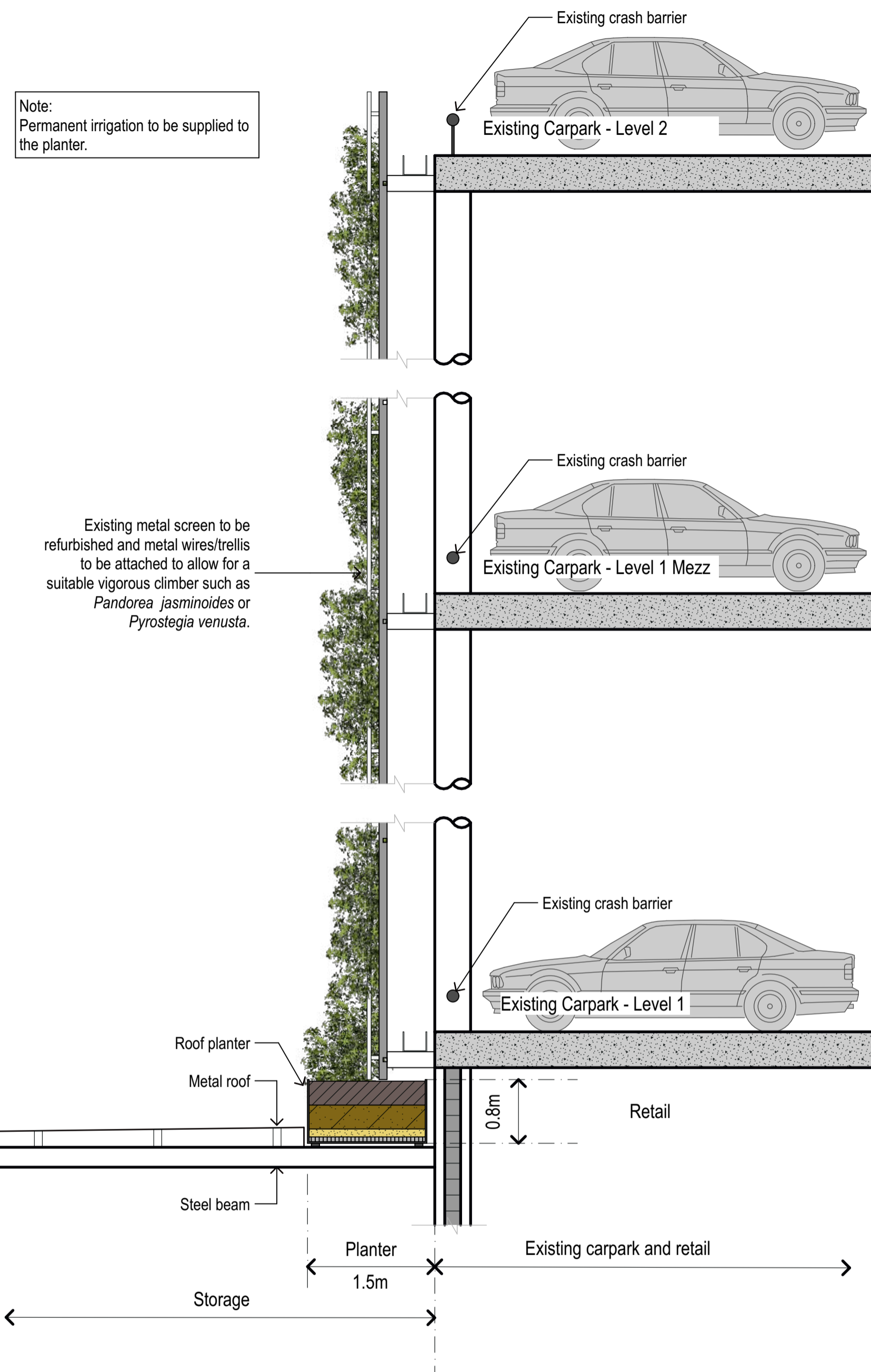


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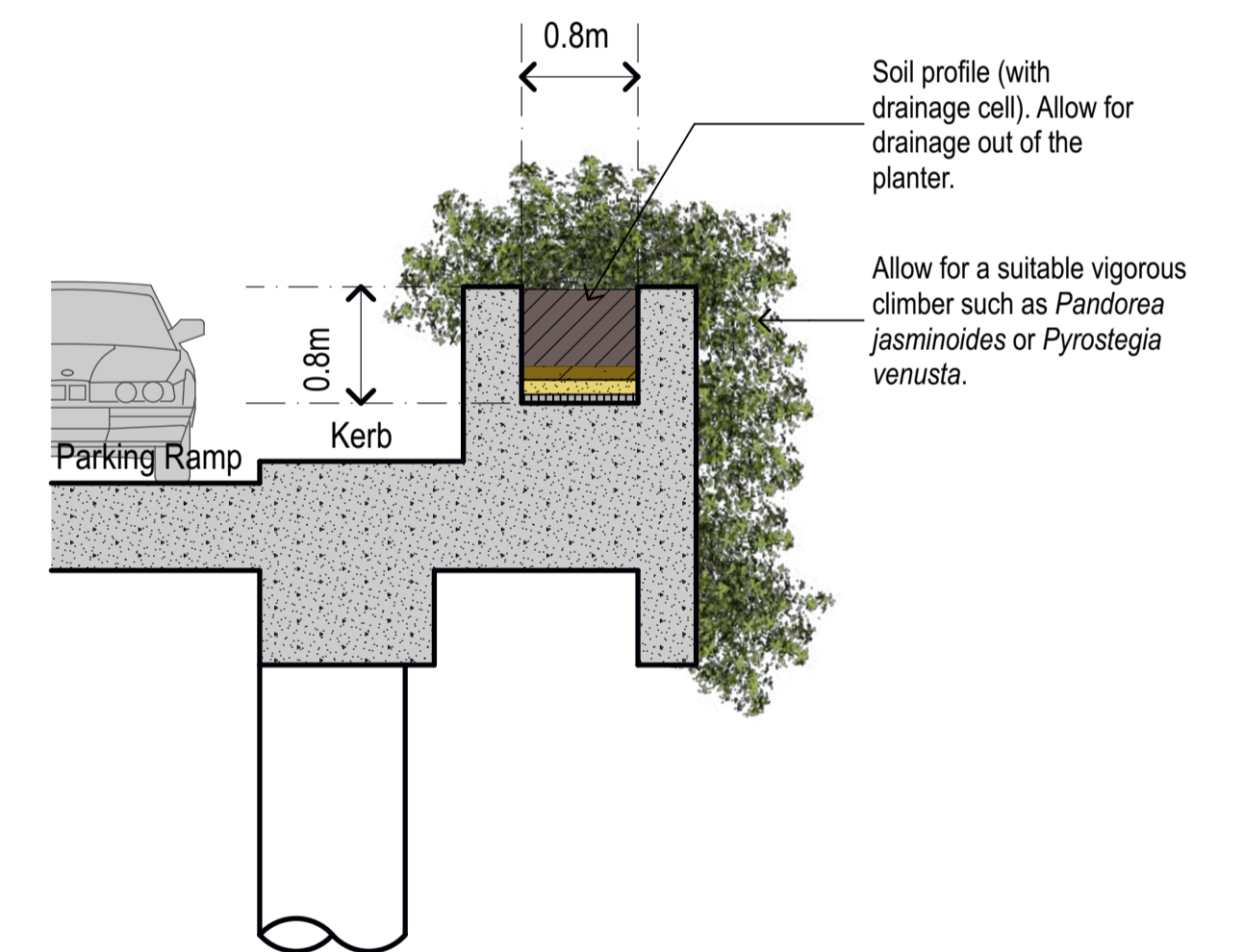
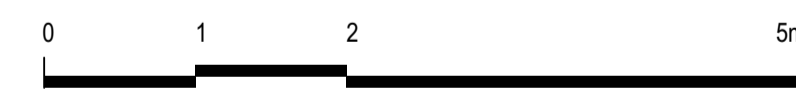
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A TYPICAL SECTION - NORTHERN BUS INTERCHANGE & CARPARK



B TYPICAL SECTION - SCREEN PLANTING TO EXISTING CARPARK



C TYPICAL SECTION - PLANTING TO RAMP CARPARK



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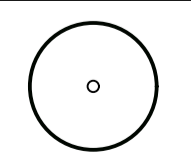
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PROJECT & CLIENT
Warringah Mall Stage 2

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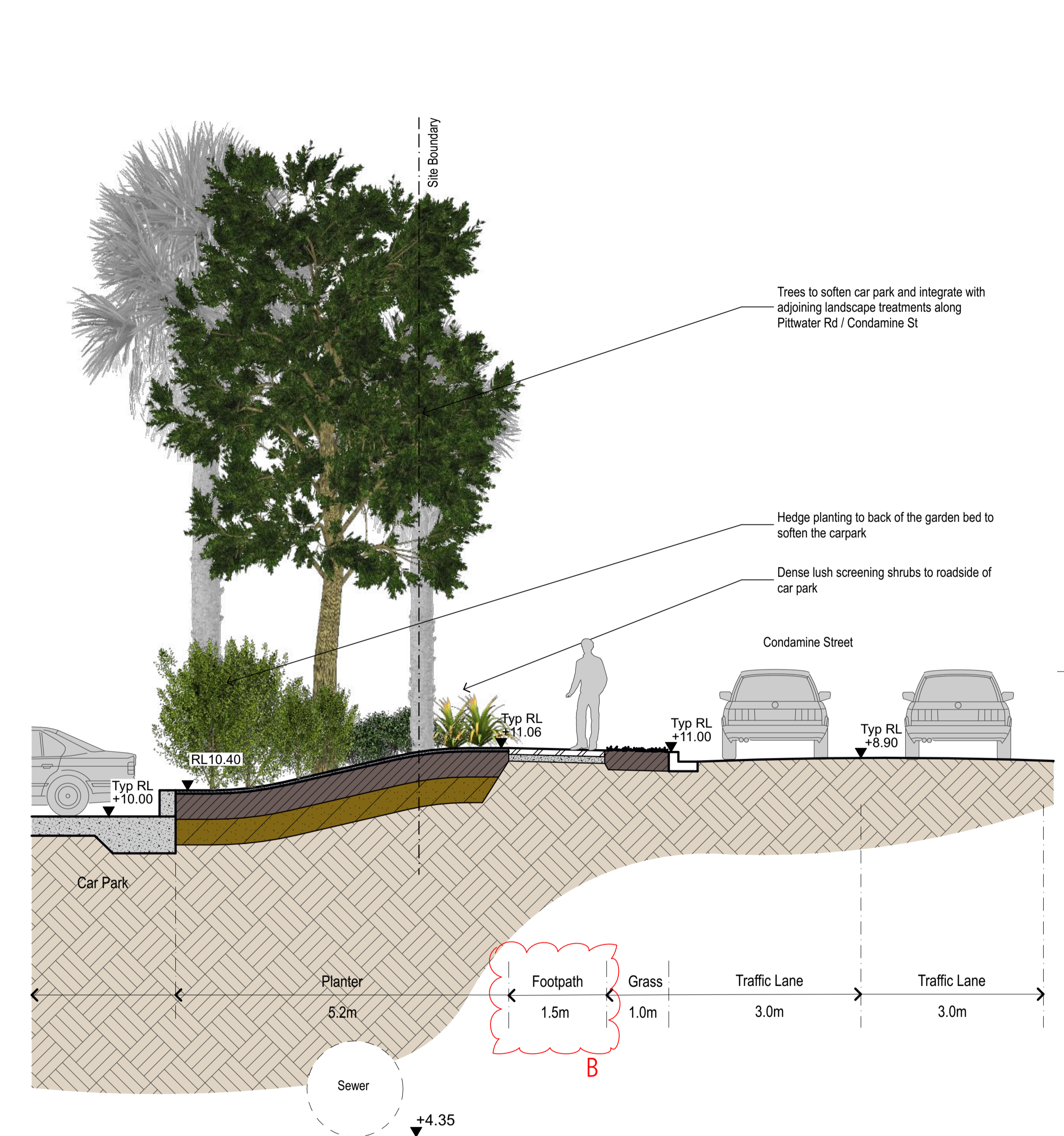
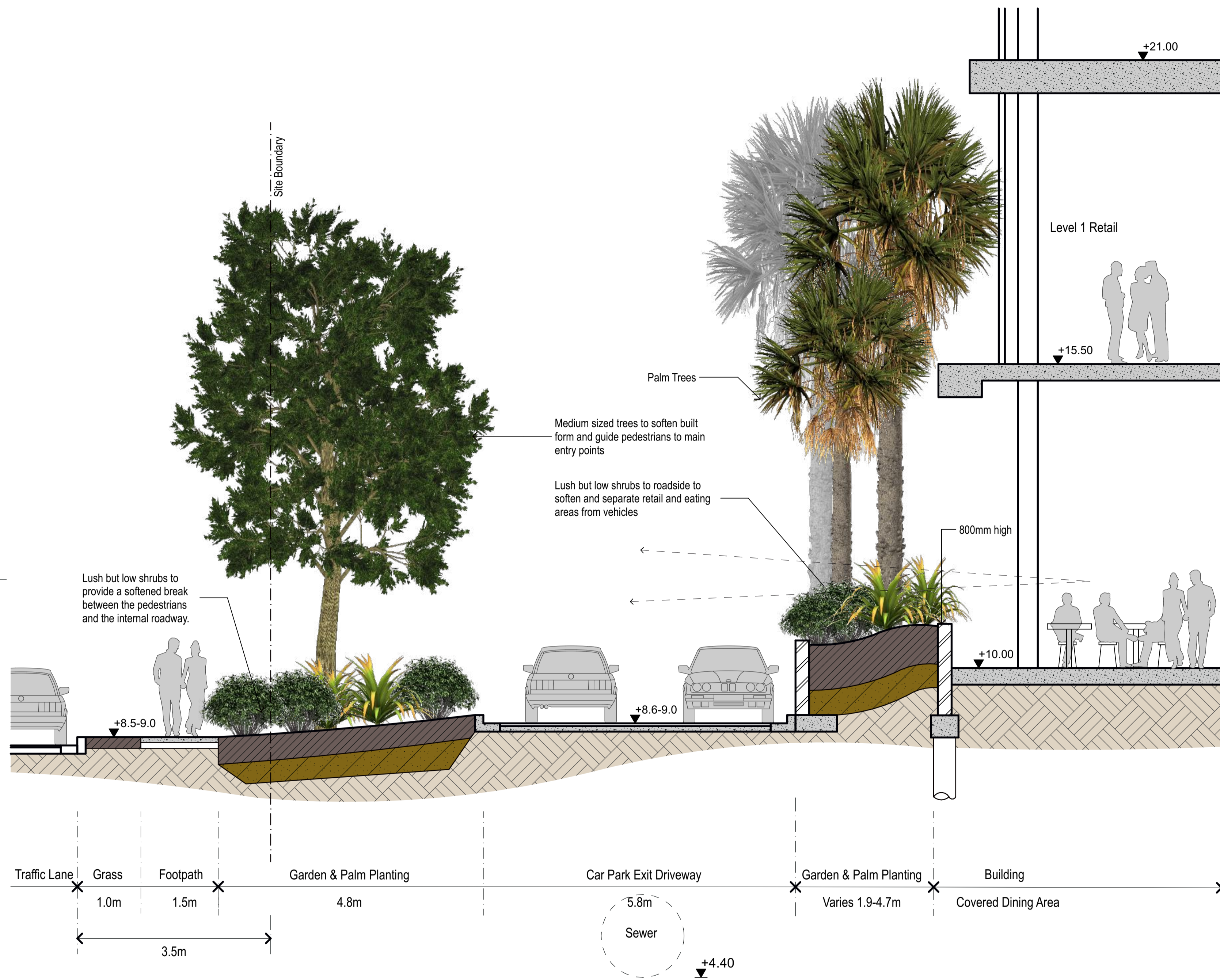
DRAWING TITLE
Typical Sections



Project No : 16.36
 Designed : RWS
 Drawn : RWS/CB
 Scale : As Shown

DRAWING NUMBER
ART-LSD-04

B



D TYPICAL SECTION - SOUTHERN ENTRY AREA

E TYPICAL SECTION - CENTRAL CAR PARKING AREA

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Palms



Cabbage Tree Palm
Livistona australis



Kentia Palm
Howea forsteriana

Trees



Water Gum
Tristaniopsis laurina
'Luscious'



Angophora costata
Sydney Red Gum



Brush Box
Lophostemon confertus



Green Avenue Weeping Lilly Pilly
Waterhousea floribunda
'Green Avenue'



Cook Pine
Araucaria columnaris



Ficus rubiginosa
Port Jackson Fig

Groundcovers



Giant Lilyturf
Liriope 'Evergreen Giant'



Century Plant
Agave attenuata



Palm Grass
Molinieria capitulata



Shore Juniper
Juniperus conferta



Clivia miniata
Kaffir Lily



Lomandra confertifolia 'Little Con'
Mat Rush



Bower of Beauty
Pandorea jasminoides



Flame Vine
Pyrostegia venusta

Climbers/Trailers

Shrubs



Lady Palm
Raphis excelsa



Sago Palm
Cycas revoluta



Xanadu Philodendron
Philodendron 'Xanadu'



Common Gardenia
Gardenia jasminoides



Lilly Pilly
Syzygium australe cultivars



Dusky Bells
Correa reflexa 'Dusky Bells'



Indian Hawthorn
Raphiolepis indica



Burrawang
Macrozamia communis



Sweet Viburnum
Viburnum odoratissimum

Proposed Plant Schedule

Botanical Name	Common Name	Potential Height Reached	Container Size
TREES			
Angophora costata	Sydney Red Gum	10-18m	100L
Araucaria columnaris (syn.A cookii)	Captain Cook's Pine	25-35m	400L
Caesalpinia ferrea	Leopard Tree	10-15m	100L
Corymbia maculata	Spotted Gum	15-25m	200L
Elaeocarpus eumundii	Eumundi Quandong	10-15m	200L
Ficus rubiginosa	Port Jackson Fig	10-20m	400L
Glochidion ferdinandi	Cheese Tree	10-15m	100L
Lophostemon confertus	Brush Box	18-20m	200L
Syzygium paniculatum	Brush Cherry/Magenta Cherry	8-12m	200L
Tristaniopsis laurina 'Luscious'	Water Gum	5-8m	100L
Waterhousea floribunda 'Green Avenue'	Green Avenue Lilly Pilly	15-20m	200L
PALMS			
Cycas revoluta	Dwarf Sago Palm	3.5m	45L
Howea forsteriana	Kentia Palm	13-15m	100L
Livistona australis	Cabbage Palm	15-18m	200L + /transplanted
Macrozamia communis	Burrawang	2m	45L
Rhapis excelsa	Lady Palm	3-6m	45L
SHRUBS			
Adenanthos sericeus 'Mallee Legend'	Coastal Woollybush	1.5-2m	5L
Alcantarea imperialis 'Rubra'	Imperial Bromeliad	1 - 1.5m	45L
Alpinia zerumbet / speciosa	Shell Ginger	3m	5L
Correa reflexa 'Dusky Bells'	Native Fuchsia, Common Correa	1-2m	5L
Echium fastuosum	Pride of Madeira	2-3m	5L
Gardenia jasminoides	Gardenia	1-2m	25L
Murraya paniculata	Orange Jessamine	3m	25L
Nerium oleander 'Dwarf Apricot'	Dwarf Oleander	1-2m	5L
Philodendron "Xanadu"	Dwarf Philodendron	1m	25L
Raphiolepis indica	Indian Hawthorn	2-3m	5L
Syzygium australe "Southern Form"	Southern Form Syzygium	2-3m	25L
Thysanolaena maxima	Tiger Grass	2-3m	5L
Viburnum odoratissimum	Sweet Viburnum	3-4m	5L
Westringia fruticosa 'Aussie Box'	Dwarf Coastal Rosemary	0.8m	5L
GROUNDCOVERS/CLIMBERS			
Agave attenuata	Century Plant	0.5m	25L
Cissus rhombifolia	Grape Ivy	0.5m	150mm
Clivia miniata	Kaffir Lily	0.45m	5L
Hedera canariensis	Ivy	0.3m	150mm
Juniperus conferta	Shore Juniper	0.3m	150mm
Liriope muscari 'Evergreen Giant'	Turf Lily	0.5m	150mm
Lomandra confertifolia 'Little Con'	Mat Rush	0.2m	150mm
Molinera capitulata	Palm Grass	1.2m	5L
Pandorea jasminoides	Pink Bower Vine	0.5m	150mm
Pyrostegia venusta	Orange Trumpet Vine	0.5m	150mm

Character Imagery



Cascading Plants

Planting on the upper roof level to provide cascading climbers and hardy trailing plants to further soften the building edges



Raised Concrete Planters

Raised garden beds filled with hardy and low maintenance shrubs and groundcovers that provide a lush tropical character



Landscape Establishment & Maintenance

LANDSCAPE ESTABLISHMENT & MAINTENANCE

Extent & Tasks

Monitor and maintain all planting and associated landscaping works for the duration of the maintenance period. This shall generally include watering, failed plant replacements, pest and disease control, weed control and monitoring. Maintenance is to be carried out to all areas where new planting, is installed. Weeding shall extend around and in between individual plants and up to path, kerbs or other defining edges. Carry out all maintenance activities for all new garden and lawn areas as required to ensure the plants and turf become established within the maintenance period and are kept in a healthy and tidy state in accordance with best horticultural practices.

Watering

Plants are to be watered upon completion of planting and then monitored for water stress. Watering requirements will be subject to season and prevailing weather conditions. Plants that fail due to wilting and water stress shall be replaced.

Pests and Diseases

All trees are to be visually inspected for the presence of persistent and damaging insect pests or diseases at least once every 4 weeks, or upon written notification from the Contract Manager of a potential problem. The pest and / or disease and its extent and prevalence is to be identified and recorded along with the recommended control and action to be taken.

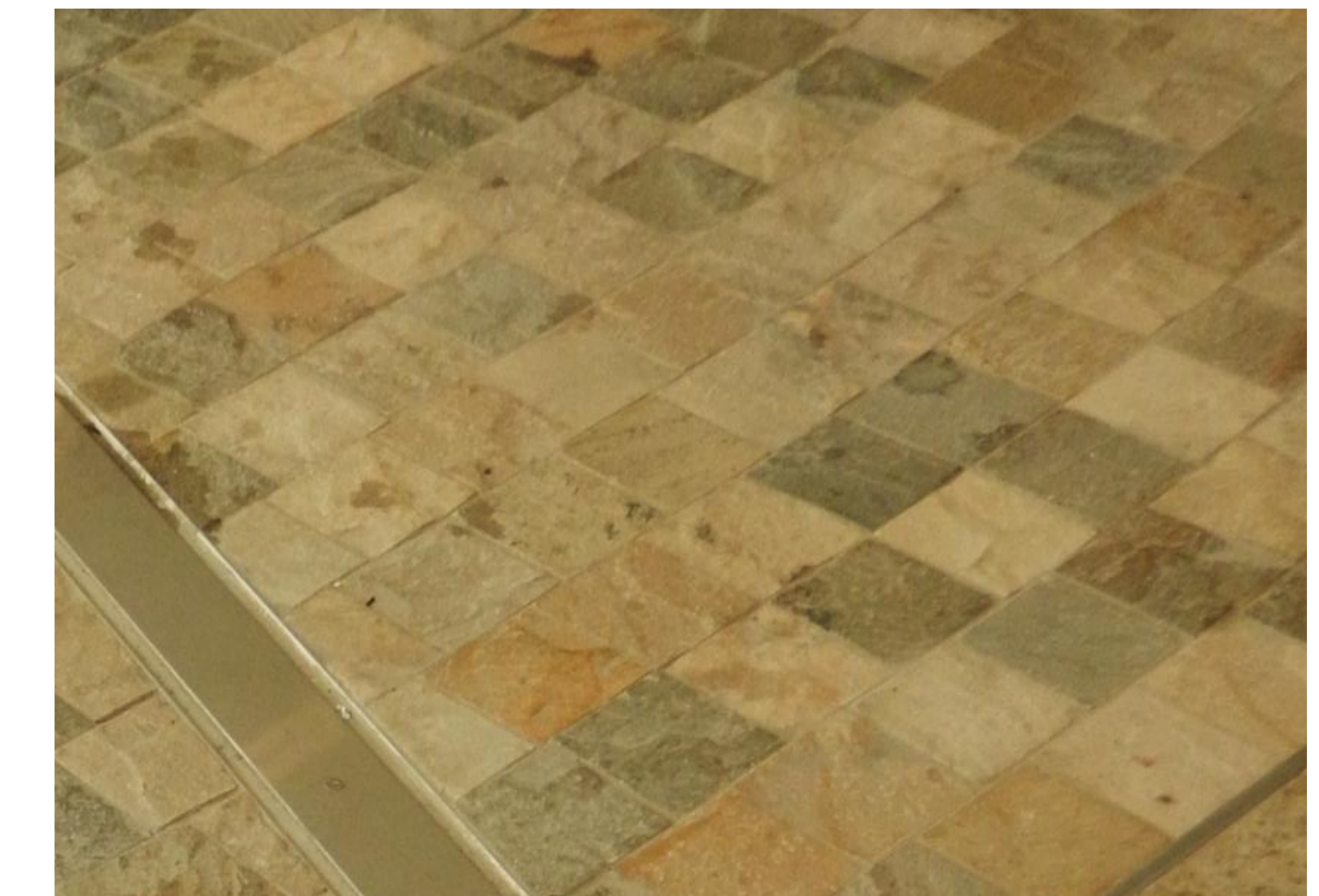
Weeding

All areas are to be visually inspected for the presence of woody and herbaceous weed species once every 4 weeks. All occurrences of weeds are to be spot sprayed using a glyphosate based herbicide no later than 7 days after being identified. Weeds are to be re-inspected 7 days after spraying and retreated if required. Weeds higher than 200mm in height shall be removed by hand before general herbicide treatment. Smaller weeds shall be allowed to wither and rot in place.

Plant Replacements

Plants that have failed due to inadequate maintenance, or implementing inappropriate handling procedures or planting operations shall be replaced. Replacements shall be undertaken within 7 days of the plant being identified as failed or unacceptably damaged. Note, severe wilting or water logging leading to death of foliage, breakage or wounding of main stem, damage to apical leaders or damage to significant second order branches shall be deemed to constitute failure.

The cost of plants that are damaged or killed by environmental factors outside the normal control such as severe storms, high winds, hail, flooding, vehicular accident, or are stolen or maliciously damaged shall be born by the Contractor if prior to Practical Completion. The Contractor is advised to take out all necessary Construction Insurance to cover all the costs associated with re-supply, delivery and replanting prior to this time. The costs of replacing damaged, stolen or maliciously damaged plants shall be covered by the Principal after Practical Completion has been granted.



Stone Paving

Paving is to have a high level of finish utilising a natural stone or 'stone-like' surface and non-slip characteristics that easily meets and matches the adjoining concrete footpaths and roads.

Character Imagery



Main Pedestrian Entry with Palm Planting



Over View - Looking North Along Condamine Street



Main Pedestrian Entry from Condamine Street



Over View of Northern Carpark Looking South



Main Vehicular Entry



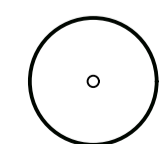
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C	For Development Application - Shown Clouded	RWS	28/05/19
B	For Development Application - All Images Amended	RWS	12/12/18
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PROJECT & CLIENT
 Warringah Mall Stage 2

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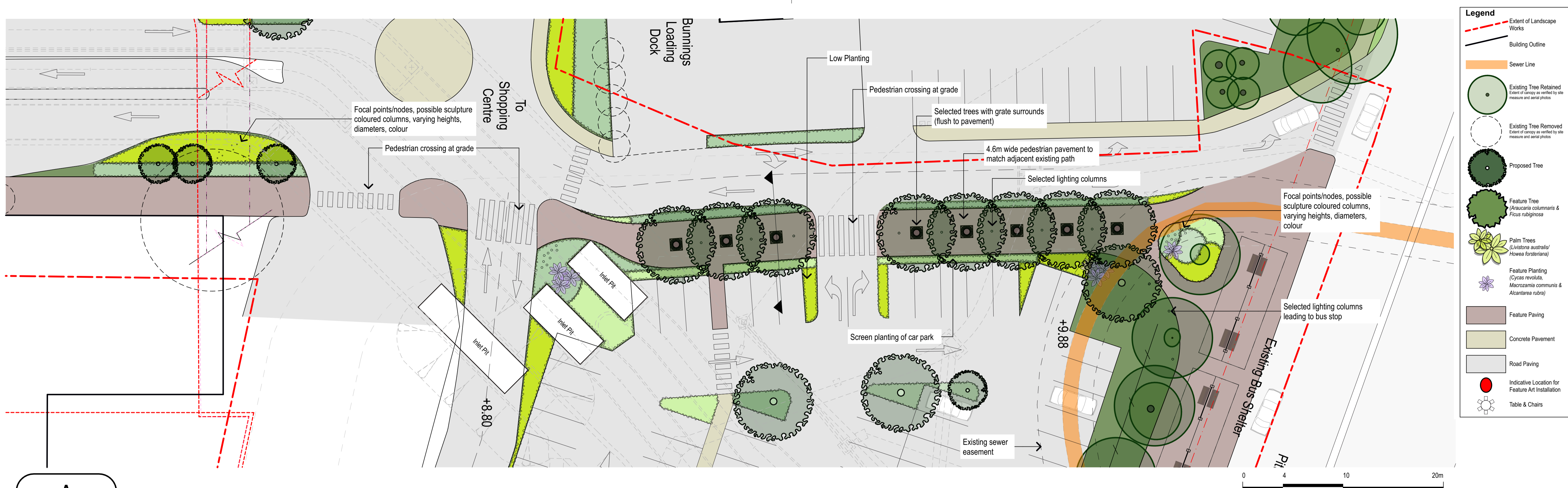
DRAWING TITLE
 Perspective Imagery



Project No : 16.36
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 Drawn : RWS/CB
 Scale : NTS

DRAWING NUMBER
 ART-LSD-08

REVISION
 C



A PLAN - NORTHERN CAR PARK PEDESTRIAN WALKWAY Scale 1:200

Character Imagery

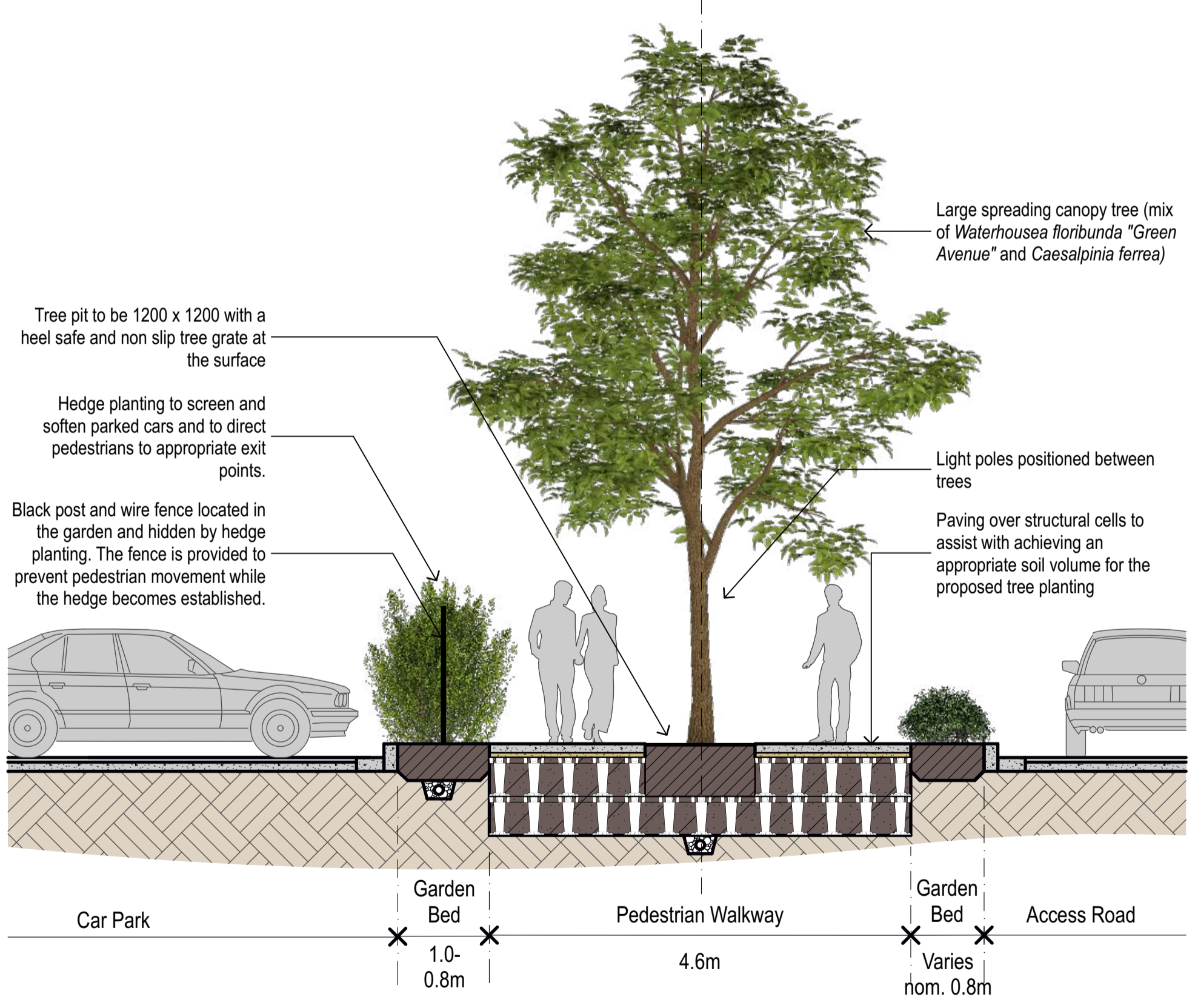


Over View of Northern Carpark Pedestrian Walkway Looking East



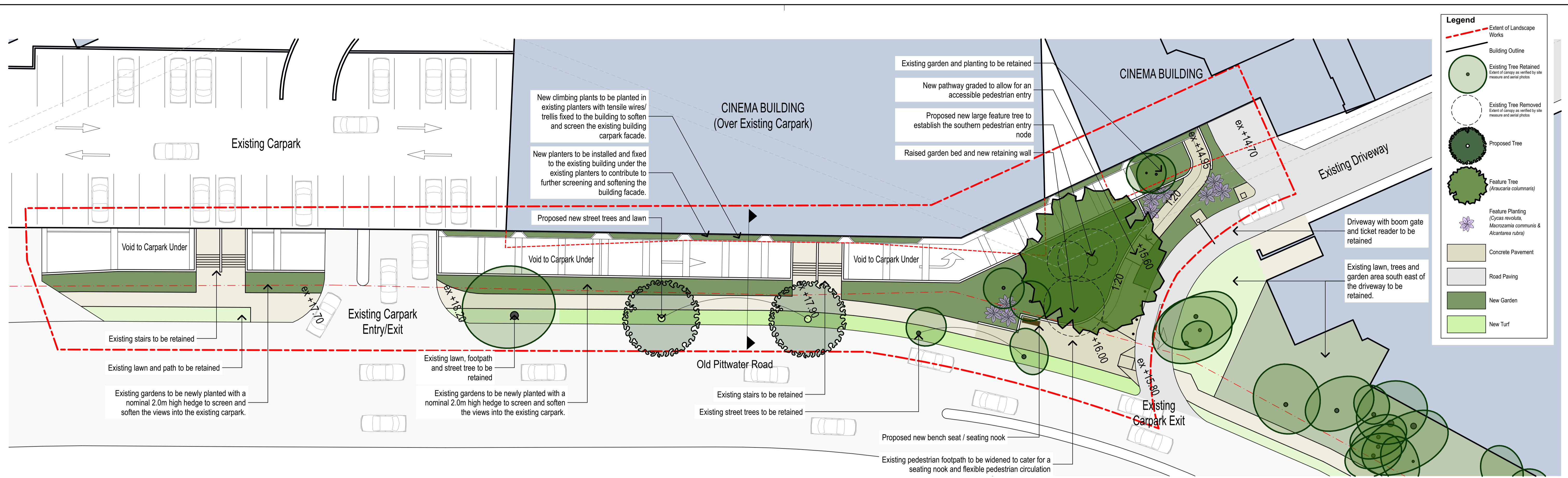
Over View of Northern Carpark Pedestrian Walkway Looking West

Precedent Imagery - Lighting/Sculptures



B SECTION AA- NORTHERN CAR PARK PEDESTRIAN WALKWAY Scale 1:50

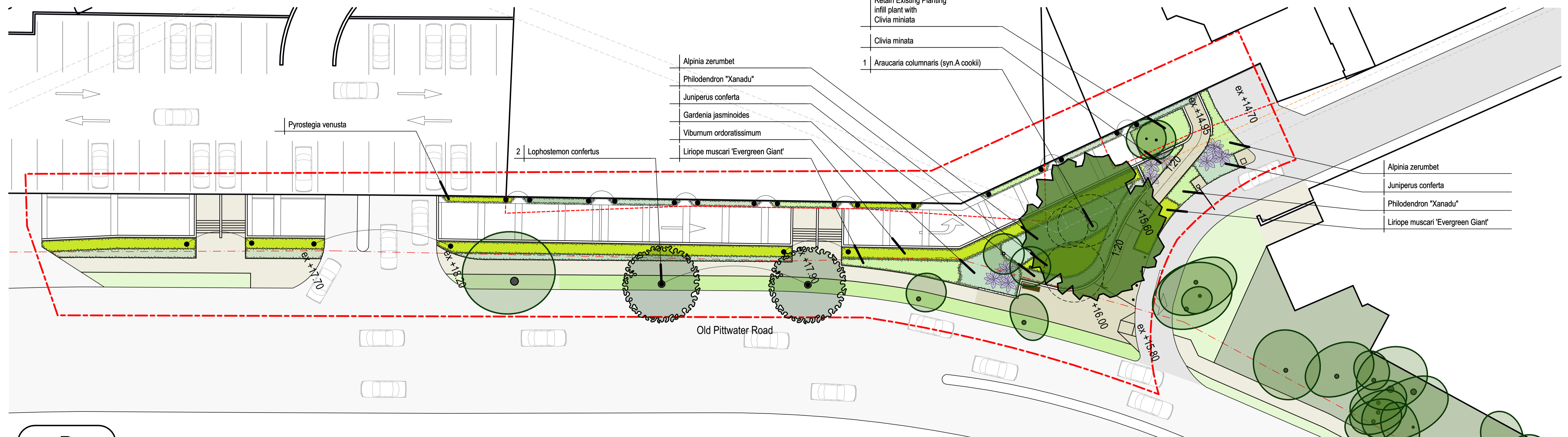
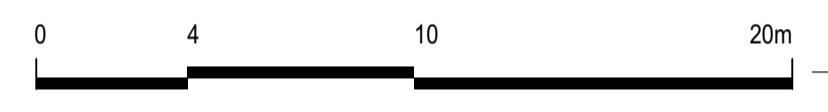
A	For Development Application	RWS	25/03/19
REVISION	DESCRIPTION	CHKD	DATE



A

PLAN - SOUTHERN PEDESTRIAN ENTRY

Scale 1:200



B

PLAN - SOUTHERN PEDESTRIAN ENTRY PROPOSED PLANTING

Scale 1:200



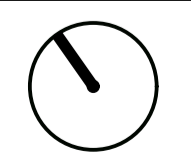
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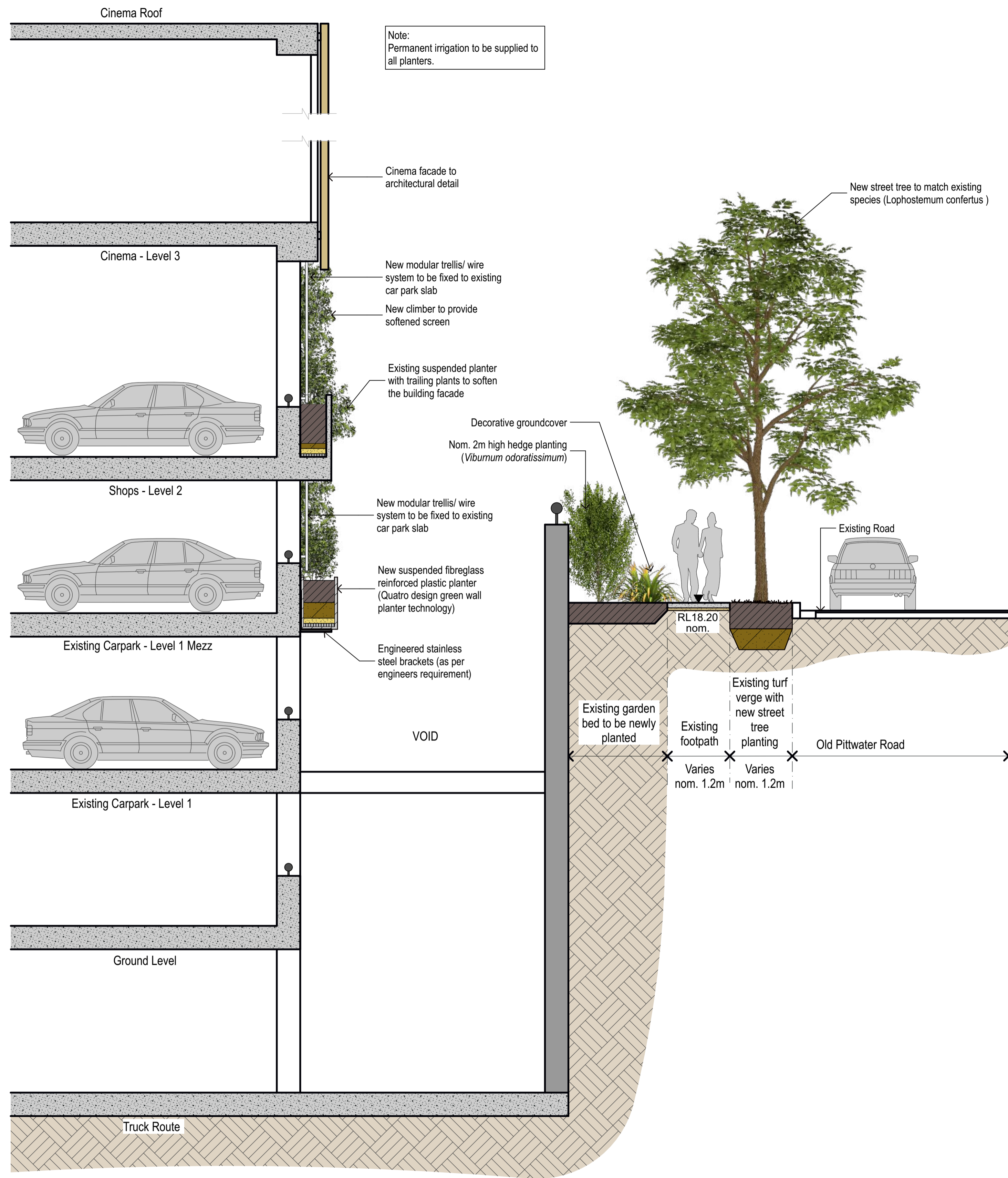
DRAWING TITLE
 Southern Pedestrian Access Pathway



Project No : 16.36
 Designed : RWS
 Drawn : RWS/CB
 Scale : 1:200@A1, 1:400@A3

DRAWING NUMBER
 ART-LSD-10

Plotted at : 5:32 pm 28/5/19



A TYPICAL SECTION - AA NEW PLANTING AND SCREENING OF EXISTING CAR PARK

Character Imagery



Main Southern Pedestrian Entry from Old Pittwater Road

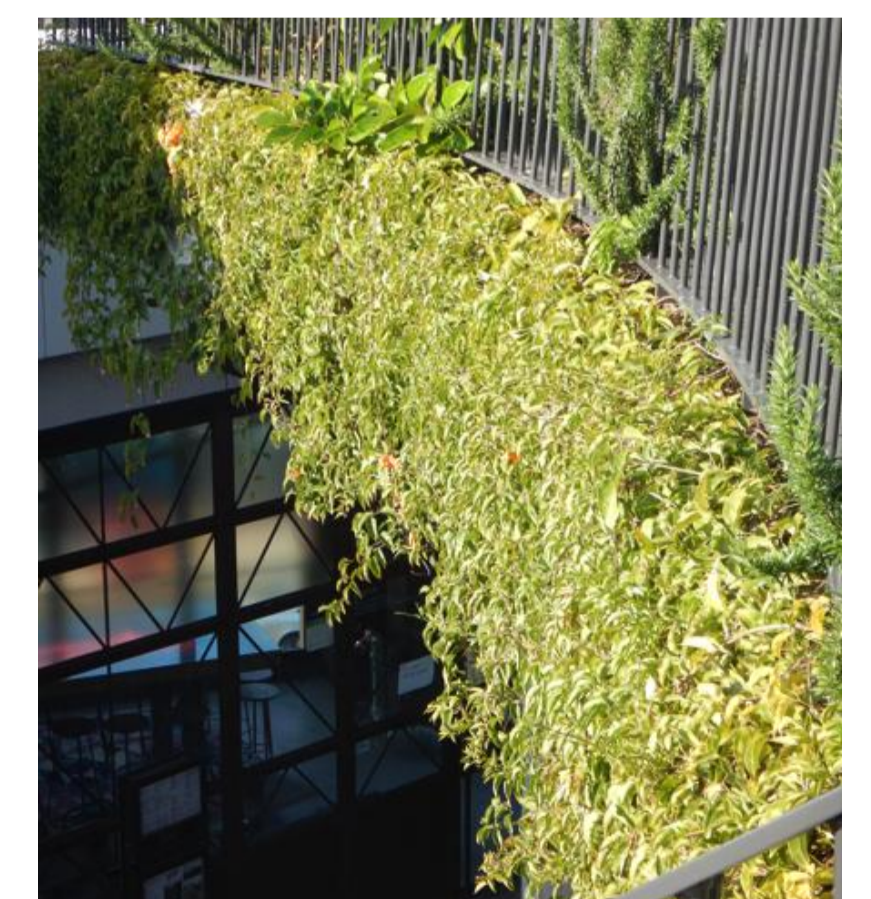
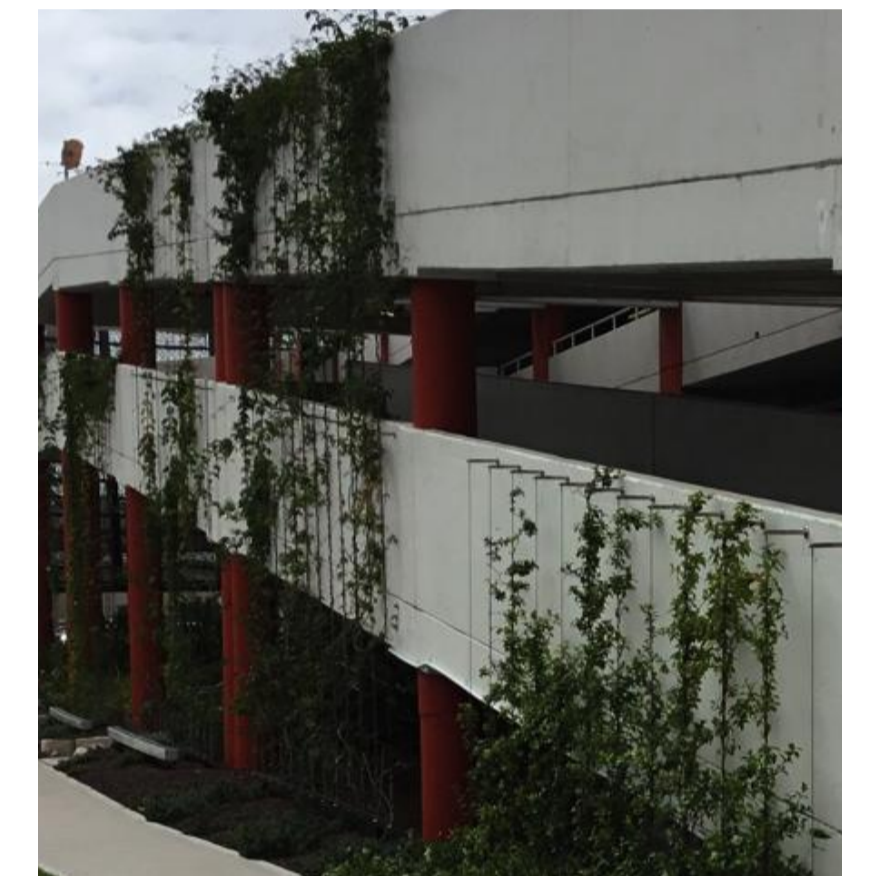


Overview - Main Southern Pedestrian Entry Looking South



Photomontage from Old Pittwater Road Looking North

Precedent Imagery



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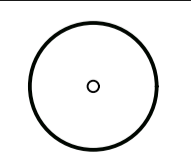
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DRAWING NUMBER
Southern Pedestrian Access Pathway - Section



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REVISION
ART-LSD-11 A