

Parramatta Road Urban Amenity Improvement Program

Leichhardt and Camperdown Precincts
Public Domain Master Plan

Draft Master Plan Materials, Furniture and Planting Schedules

Prepared by Tract Consultants for Inner West Council

Revision 11

09 May 2019

This Section includes:

- 1 Paving Palette
- 2 Street Furniture Palette
- 3 Green Wall
- 4 Lighting Palette
- 5 Planting Palette - Street Trees
- 6 Planting Palette - Shrubs
& Ground Covers

PAVEMENT DESIGN CONSIDERATIONS

Street pavements are a significant part of the public realm and their quality has a direct effect on the pedestrian experience of a place.

- Pavements should be the unifying element in the streetscape, setting a clear canvas for other streetscape elements which may provide contrast, movement and texture.
- Pavements should provide clear distinction between pedestrian priority footpaths and vehicle use areas.
- Pavements should be comfortable and allow ease of movement for all users including people with different degrees of abilities.
- Pavements should be a consistent pattern with occasional textural, size and colour variations to alert users of change of conditions or hazards.
- Pavements should reinforce streetscape hierarchy.
- Pavement material should be high quality, durable, robust, easy to maintain and are easy to install, remove and relay.

Five main pavement materials have been identified for use within the sites identified in this project within Leichhardt and Annandale / Camperdown:

- Type 1 - Stone Paving
- Type 2 - Concrete Unit Paving
- Type 3 - Insitu Concrete Paving
- Type 4 - Interpretive Inlay (Public Art)
- Type 5 - Elevated steel deck
- Type 6 - Asphalt (road-base)

MATERIAL

Type 1 - Natural Stone Paving

Natural Stone paving provides an attractive, high quality and durable finish for higher specified open spaces.

Stone Paving has been proposed for the Renwick Street shared space and for the Petersham Street pocket park, where the finish will reflect the expanded role of these open spaces within the urban framework.

Dimension size and texture will be adapted for vehicle run-over where necessary

Type 2 - Concrete Unit Paving

Concrete Unit Paving is currently used across the suburb. Detailed design of concrete paver dimensions will reflect stone paving dimensions.

Type 3 - Insitu Concrete Paving

Insitu panels of concrete paving to be used for residential streets and park paths

Type 4 - Interpretive Inlay (Public Art)

To be used for textural detail. Recycled materials, brick detail, engraved words or images, inlay metalwork. These elements provide a finer grain detail to intimate spaces within the community areas.

Type 5 - Elevated Steel Deck

To be used within flood zones to allow free movement of flood water, as well as ecological areas (adjacent Creek-lines).

Type 6 - Asphalt Paving

Asphalt pedestrian grade paving - primarily for use on cycle and shared paths within an urban context

PEDESTRIAN RAMPS

Pedestrian ramps to be paved with the same material as the surrounding footpath.

KERB AND GUTTER

All kerb and gutters to be insitu concrete.

Existing heritage stone kerbs shall be carefully reused in place where possible. New stone kerbs will be used to complete the edge where required.

VEHICULAR CROSSOVERS

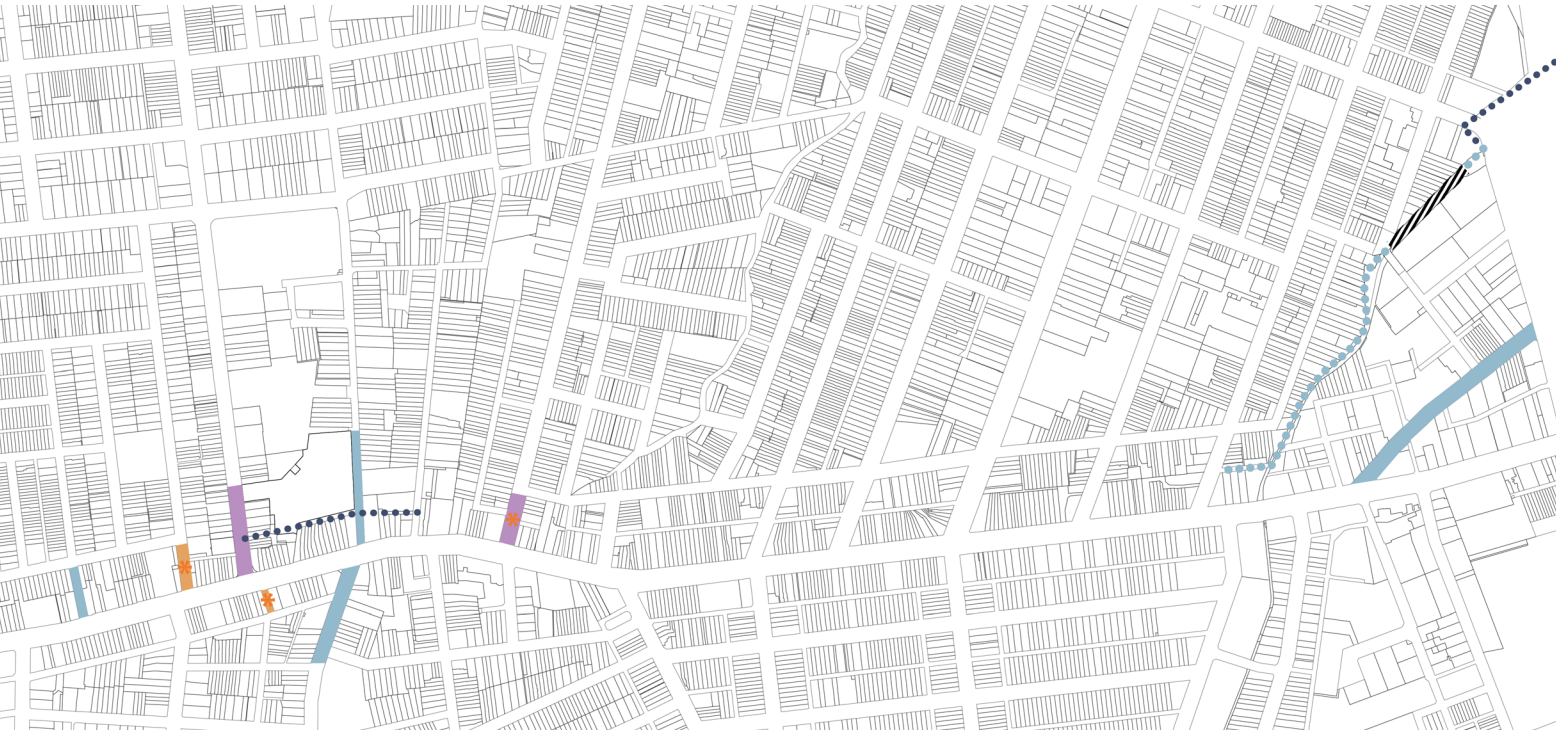
All vehicular crossovers to maintain adjacent pavement type to reinforce pedestrian priority.

PARKING BAYS

All streets to be asphalt to match roadway.

Stone setts or small stone interlocking paving units to delineate parking bays in Renwick Street Shared Zones.

Paving Typology Location Plan





Type 1

Natural Stone Paving

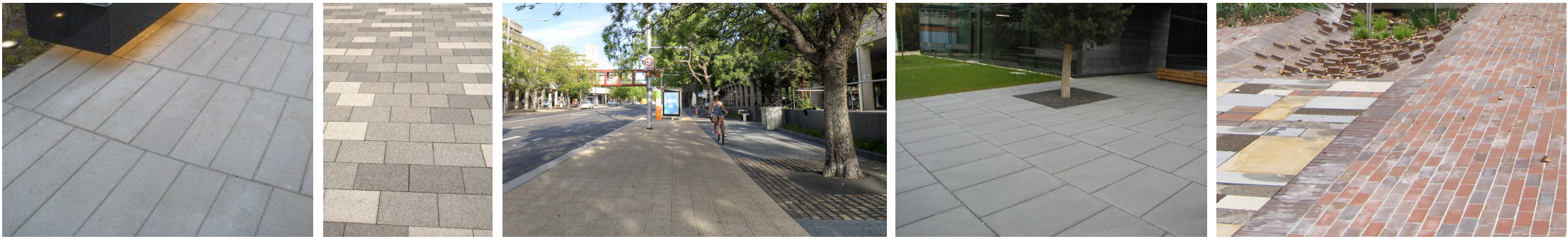
Warm colours, dimensions to be long x narrow to reference site heritage brick materials and scale of residential gathering spaces



Type 2

Concrete Unit/ Brick Paving

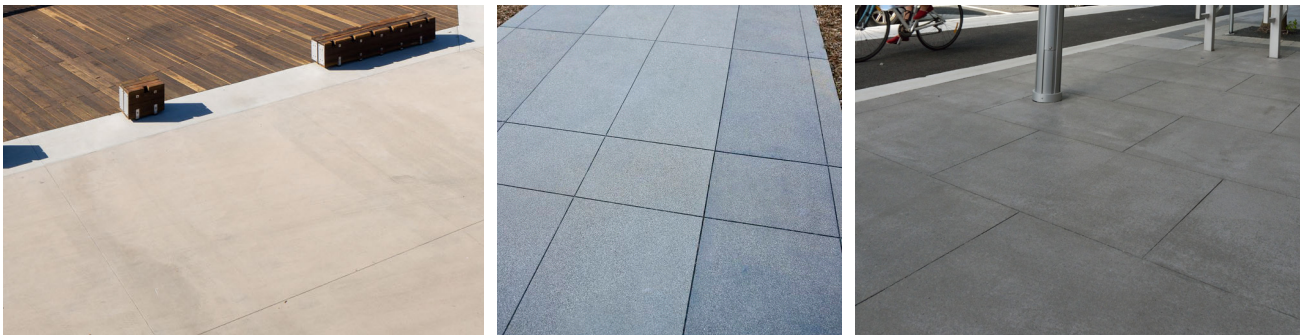
Warm colours, dimensions to be long x narrow to reference site heritage brick materials and scale of residential



Type 3

Insitu Concrete Paving

Simple clean insitu panels with no visible tooled edges.



Type 4

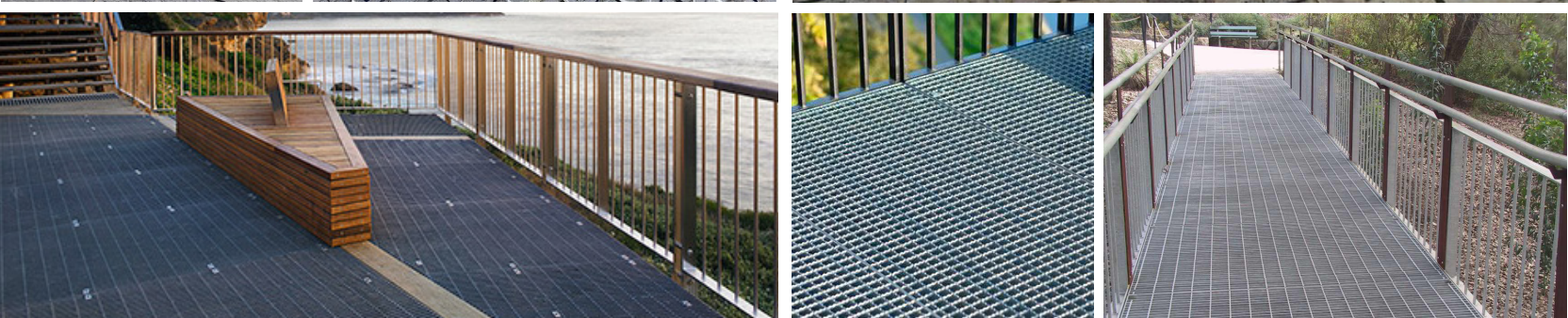
Feature Public Art Paving

Story telling through texture, dimensions and engraving and inlay materials



Type 5

Non-slip Grated Decking



Type 6

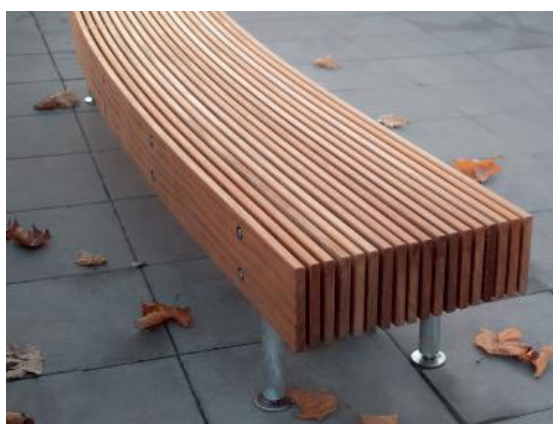
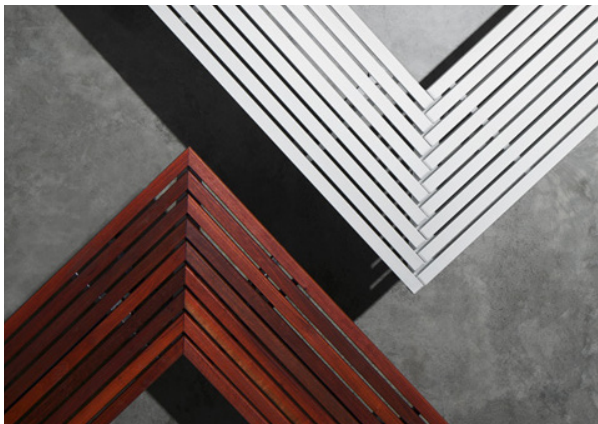
Asphalt Paving (to cycleway)

2.0 Street Furniture Palette

Bench Seats

Customised Seating

(Subject to future design)



Bike Racks



Litter Bins and Recycling Centres



Bollards



Drinking Fountain and Re-fill stations



Multi Function Poles



3.0 Green Wall - Petersham Street Pocket Park

A green wall for Petersham Street pocket park

Petersham Street pocket park provides an ideal opportunity to install a green wall along the west boundary.

The boundary faces east which provides a optimum aspect for a green wall structure, replacing the existing timber fence.

The presence of a green wall in this space can provide an additional learning element where community can enjoy and experience the benefit of green walls and become guardians of the structure.

The green wall here also provides a complimentary companion to the art wall opposite with the potential for these to be part of a bigger story for the pocket park.

NOTE
Implementation of Green Wall is subject to approval of grant application.

Green Wall Opportunities
Key Outcomes:

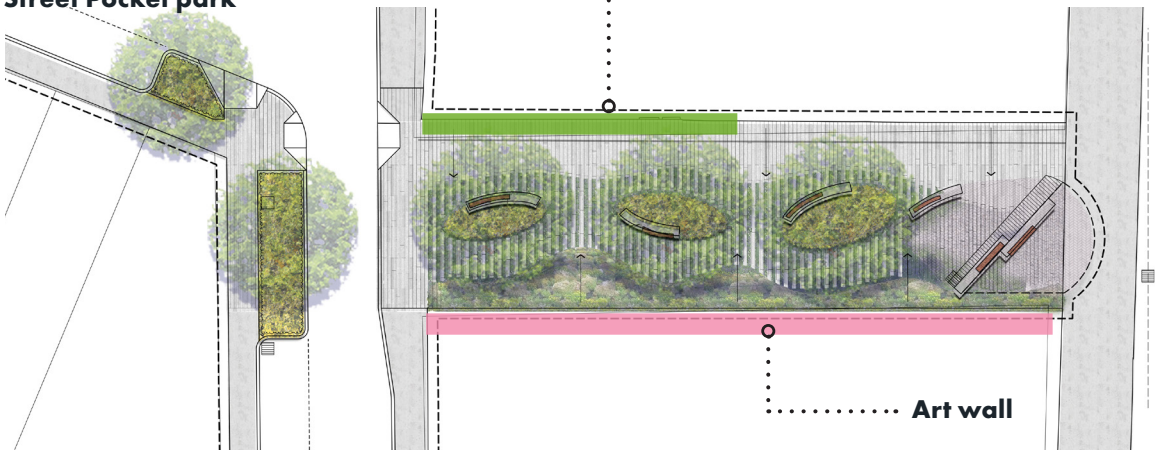
Green walls bring many benefits to the places where they are installed:

- Contributes to local biodiversity with, opportunities for increased insect and bird presence.
- Dust suppression and filtration role through absorption of air borne particles
- Air purification through photosynthesis.
- Micro-climate improvements with a reduction in ambient temperatures.
- Additional presence of green vegetation layer brings improved visual amenity of the space which can also provide a calming effect for people

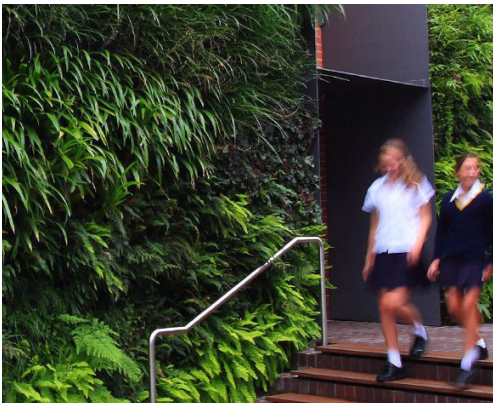
Artist’s Impression of Proposed



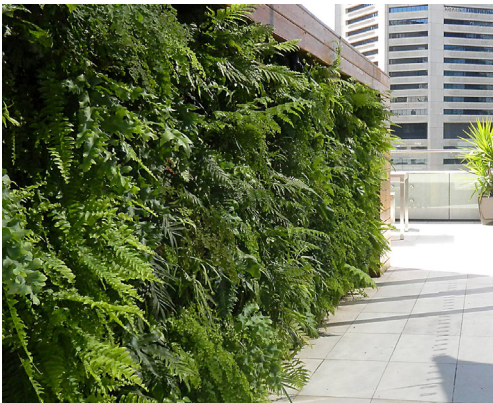
Opportunity for Green wall
installation at Petersham
Street Pocket park



External green wall - Blyth Street Sydney:
FytoGreen Australia



Panels integrated into wall - Ravenswood Girls
School Sydney: Junglefy



Rooftop green wall - Facebook Office Sydney:
Green Urban Projects

4.0 Lighting Palette

- 1

Rofe Street lighting will be provided through upgraded Smart pole fixtures, reflecting its quiet and relaxed residential nature.

Lighting categories: **(B)**
- 2

Renwick Street lighting will be primarily lower-level and pedestrian in nature, reflecting the pedestrian linkage across to Railway Street, and helping to maintain the intimate plaza atmosphere, while Smart pole lighting will be provided sparingly to vehicle traffic areas and intersections. Opportunity exists to provide supplemental low-level feature lighting within furniture elements where appropriate. (Optional).

Lighting categories: **(B) (C) (D)**
- 3

Norton Street lighting will celebrate the entry to the precinct, with upgraded catenary lighting forming a visual gateway across the road. Upgraded Smart pole lighting will be provided for vehicular and pedestrian amenity.

Lighting categories: **(A) (B)**
- 4

Balmain Road lighting will be provided primarily through upgraded Smart pole fixtures, with the opportunity for art installation lighting to the proposed trees along the Italian forum frontage.

Lighting categories: **(B) (E)**
- 5

Catherine Street lighting will be provided primarily through upgraded Smart pole fixtures, with the possibility to provide pedestrian level lighting throughout the extended footpath (optional).

Lighting categories: **(B) (C)**
- 6

Petersham Street Pocket Park will be lit using pedestrian level lighting which will enhance the intimacy of the park while ensuring safety and visibility at all times, with the possibility of including in-ground highlights (optional).

Lighting categories: **(C) (F)**
- 7

Crystal Street lighting will be provided through upgraded Smart pole fixtures, with the possibility of providing an illuminated art 'Gateway' piece at the Parramatta Road intersection.

Lighting categories: **(B) (E)**
- 8

Wigram Road lighting will be provided through upgraded Smart pole fixtures.

Lighting categories: **(B)**
- 9

Pymont Bridge Road lighting will be provided through upgraded Smart pole fixtures, with luminaries placed in different orientations and heights to ensure even light spread across cycle paths, pedestrian footpaths and vehicle access-way. Lighting/illuminated artworks may be provided under the Art Strategy.

Lighting categories: **(B) (E)**
- 10

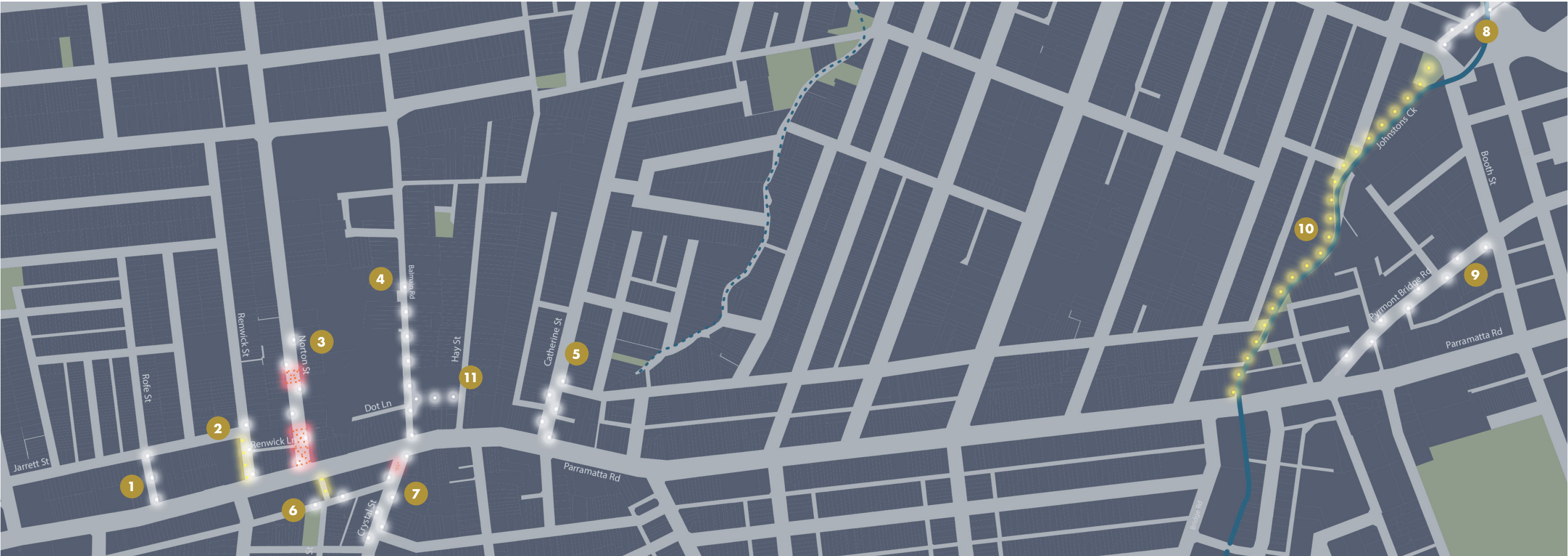
Johnston's Creek Shared Path lighting will be low-level pedestrian lighting which will provide amenity and safety to shared path users. The lighting will be on a timer to respond to nocturnal ecology and highly directional, to prevent disturbance to residents, and will be IP rated to resist occasional inundation events.

Lighting categories: **(G)**
- 11

Dot Lane lighting will be provided through upgraded Smart pole fixtures.

Lighting categories: **(B)**

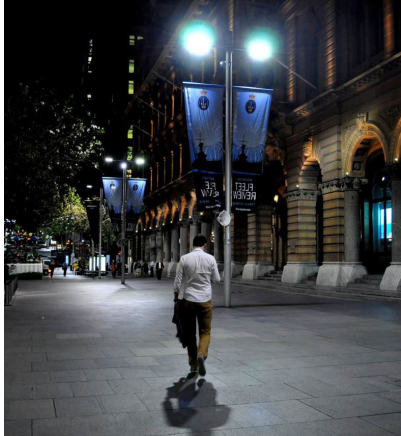
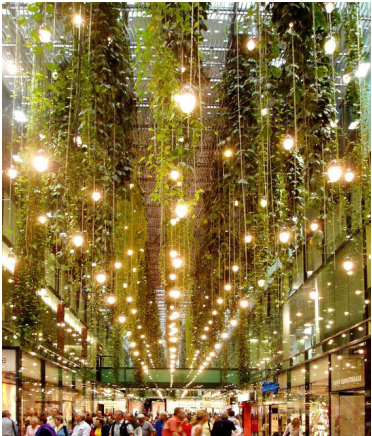
Lighting Typology Location Plan



Lighting Benchmarking Categories



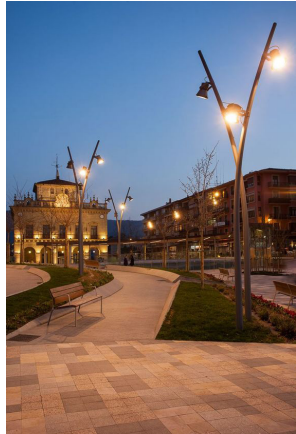
(A) Catenary Feature Lighting



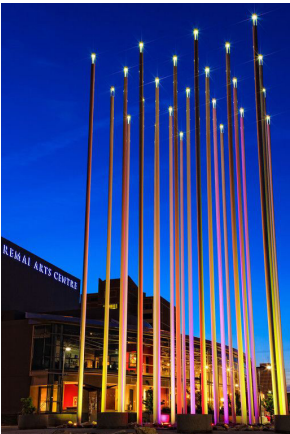
(B) Smart Pole Lighting



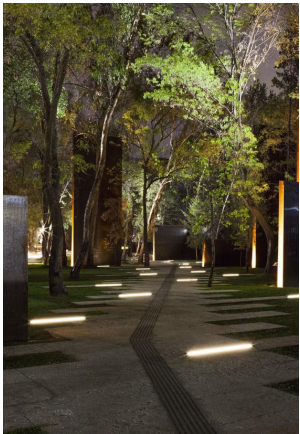
(C) Pedestrian Level Street Lighting



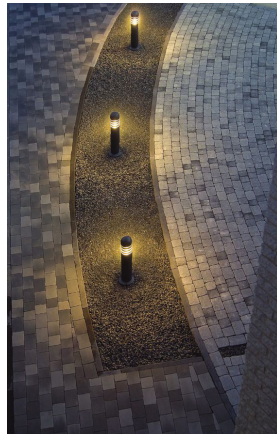
(D) Inbuilt Furniture Lighting



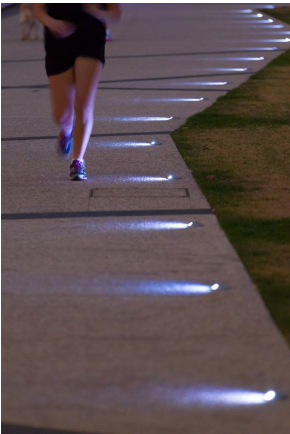
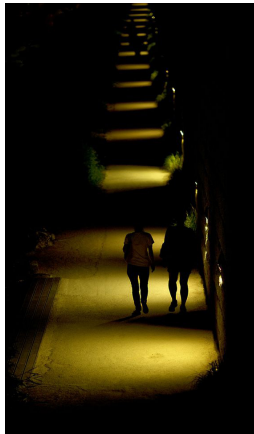
(E) Art Installation Lighting



(F) In-ground Highlights



(G) Shared Path - Low Level Amenity Lighting



5.0 Plant Palette - Street Trees

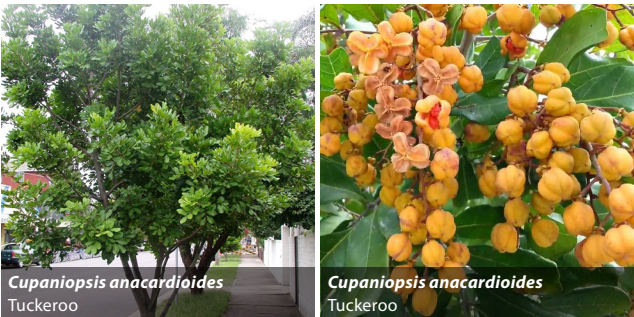
Rofe Street

Small-to-medium street trees are proposed for Rofe Street to provide a continuous canopy and shade the footpaths and roadway, to provide passive cooling and reduce glare.

The proposed design will see street trees planted within blisters in the roadway, allowing the footpath to remain clear and unobstructed. Future design of tree pits should allow for passive irrigation from storm-water, and free

Potential species:

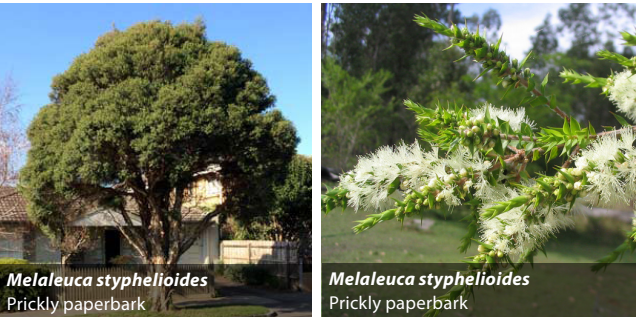
Cupaniopsis anacardioides - Tuckeroo (native)
8m (w) x 8m (h)



Melaleuca linariifolia - Snow in summer (native)
4m (w) x 10m (h)



Melaleuca styphelioides - prickly paperbark
10m (w) x 12m (h)



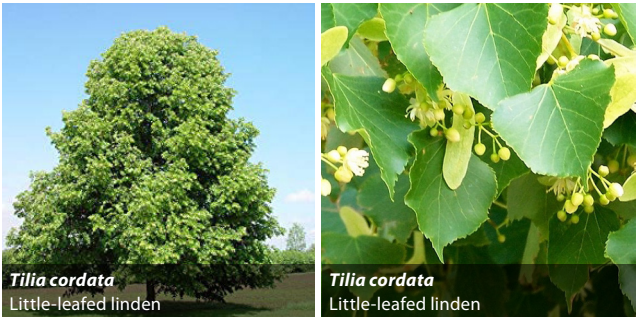
Renwick Street

New trees within the proposed Renwick Street shared zone should reinforce the existing Linden tree historical plantings, either with more of the same species, or another medium-large deciduous feature tree.

Smaller trees to the north have the potential provide a basis for future planting along the extent of the street, and should be robust and preferably native.

Potential species (to shared zone):

Tilia cordata - Little-leafed linden (exotic)
9m (w) x 15m (h)



Liriodendron tulipifera - Tulip tree (exotic)
8m (w) x 20m (h)



Potential species (to northern end of street):

Acmena smithii -Lilly pilly (native)
6m (w) x 10m (h)



Waterhousea floribunda 'Green Avenue' - Weeping Lilly pilly (native)
5m (w) x 8m (h)



Norton Street

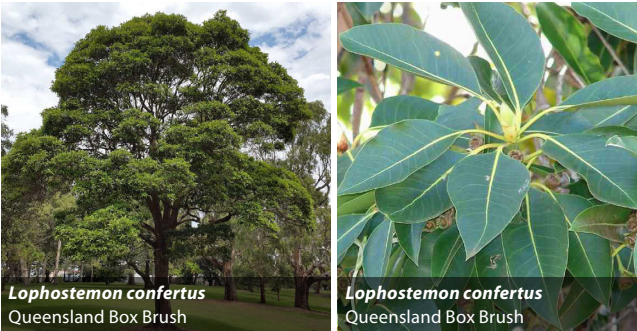
Norton Street already possesses a mix of street trees - most of which are relatively small, in order to sit within existing power lines. The opportunity exists to replace some of the trees currently planted within the roadway with larger species for greater presence and shade provision.

Potential species:

Waterhousea floribunda ‘green avenue’ - Weeping Lilly Pilly (native) 9m (w) x 15m (h)



Lophostemon confertus - Brush box (native) 10m (w) x 15m (h)



Balmain Road

Medium trees are proposed along the east side of Balmain Road (within the roadway) to provide a connected canopy and shade to the footpath and roadway.

Small trees are proposed to the west side of the street along the frontage of the Italian Forum.

Potential species (to east):

Tristaniopsis laurina - Water Gum (native) 6m (w) x 12m (h)

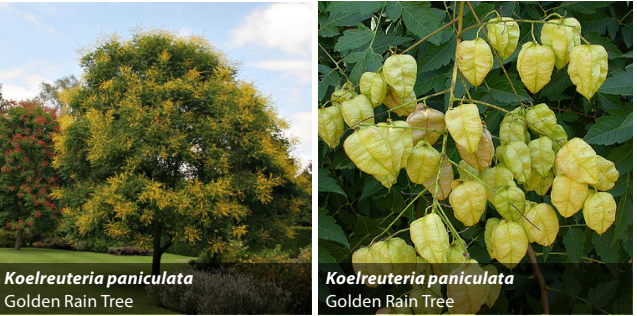


Potential species (to west - Italian forum frontage):

Callistemon viminalis - Weeping bottlebrush (native) 3m (w) x 6m (h)



Koelreuteria paniculata - Golden Rain tree (exotic) 10m (w) x 10m (h)



Catherine Street

Medium - large shade and feature trees are proposed for Catherine street to provide a balance to the wide road. There is the potential for the chosen tree species to be expanded to the north within blisters in the roadway.

Potential species:

Brachychiton acerifolius - Illawarra Flame Tree (native)
6m (w) x 12m (h)



Pymont Bridge Road

Proposed tree planting to Pymont Bridge road consists a primary avenue of large paired feature trees, with a smaller secondary avenue between to provide a connected canopy.

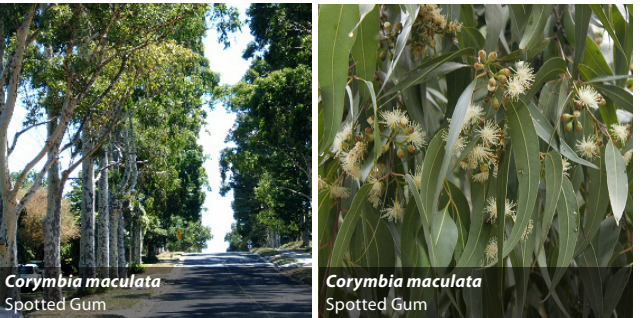
Structural root cells should be provided to enhance the growth and establishment of these trees.

Potential species - Primary Avenue:

Angophora costata - Smooth Barked apple (native)
10m (w) x 15-20m (h)



Corymbia maculata - Spotted Gum (exotic)
10m (w) x 20m (h)



Petersham Street

Proposed trees for Petersham Street Pocket Park are medium-sized feature trees, preferably deciduous for seasonal interest, improved light penetration and amenity during winter.

Potential species:

Pistacia chinensis - Chinese pistachio (exotic)
10m (w) x 15m (h)



Jacaranda mimosifolia - Jacaranda (exotic)
10m (w) x 10m (h)



Zelkova serrata ‘Green Vase’ - Japanese zelkova (exotic)
10m (w) x 14m (h)



Crystal Street

Although Crystal Street has existing street tree plantings, they are too small to provide a counterpoint to the busy and dominant roadway. Medium size shade trees are proposed to replace the existing small pear trees, with the potential to provide greater shade and amenity.

A new area of planting at the entry to Crystal Street is intended to function as a gateway moment - there is an opportunity for vertical fastigate trees in this location.

Potential species (street trees):

Lophostemon confertus - Brush box (native)
10m (w) x 15m (h)



Tristaniaopsis laurina - Water Gum (native)
6m (w) x 12m (h)



Potential species (entry gateway):

Elaeocarpus eumundii - Quandong (native)
5m (w) x 15m (h)



Johnston’s Creek / Badu Park

Johnston’s Creek and Badu park are home to a range of native and introduced species.

Future works should seek to retain those trees deemed to be of significance, whether native or introduced, while seeking to control and manage weed species. Future plantings should be native and be suited to a Creek corridor environment.

Potential species:

Casuarina glauca - Swamp She-oak (native)
8m (w) x 15m (h)



Eucalyptus robusta - Swamp Mahogany (native)
12m (w) x 20m (h)



Tristaniopsis laurina - Water Gum (native)
6m (w) x 12m (h)

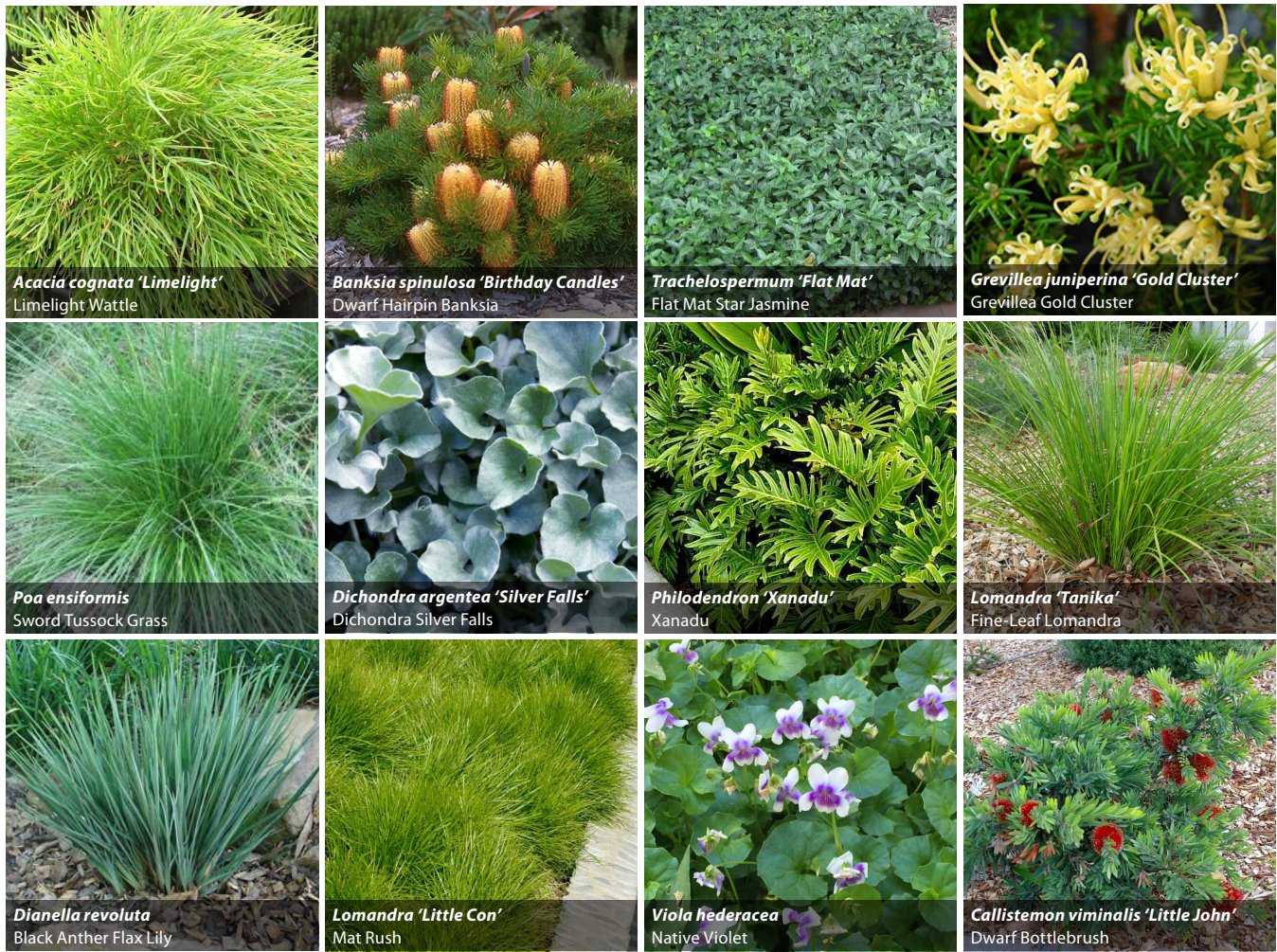


6.0 Plant Palette - Ground cover Plants

General Ground cover & Shrub Planting

A range of robust, hardy plants are proposed as ground covers and shrubs within tree pits and garden beds.

Generally, plants selected are to be low in height, allowing clear views for spatial surveillance, and dense in form, allowing effective suppression of weeds.



Rain-garden Planting

Rain gardens allow filtration of storm water runoff before it enters the storm water drainage network, and ultimately creeks, rivers and the sea.

Plants chosen for rain gardens need to be able to accommodate periods of inundation, as well as the dry periods between.

