

06\_ MASTER PLAN

General Plan

The master plan proposes a dedicated bike path along the southern side of Marrickville Road East, adjacent to the existing kerbline.

This will require the realigning of the kerbline along the northern side of the street in order to not lose parking availability.

New pavements are proposed in the street along with new street trees, raingardens and pedestrian amenity including pedestrian lighting, seats, bins and drink fountains.

The following pages and plans include:

**\_General Plan** - highlighting the overall design for the streetscape including all proposed elements.

**\_Trees** - outlines the proposed trees along the street. Species vary depending on specific context paying special attention to the retained overhead electrical infrastructure.

**\_Planting** - outlines the proposed grasses and understorey planting. The planting response to aspect - sun and shade and location - raingardens and general verge planting.

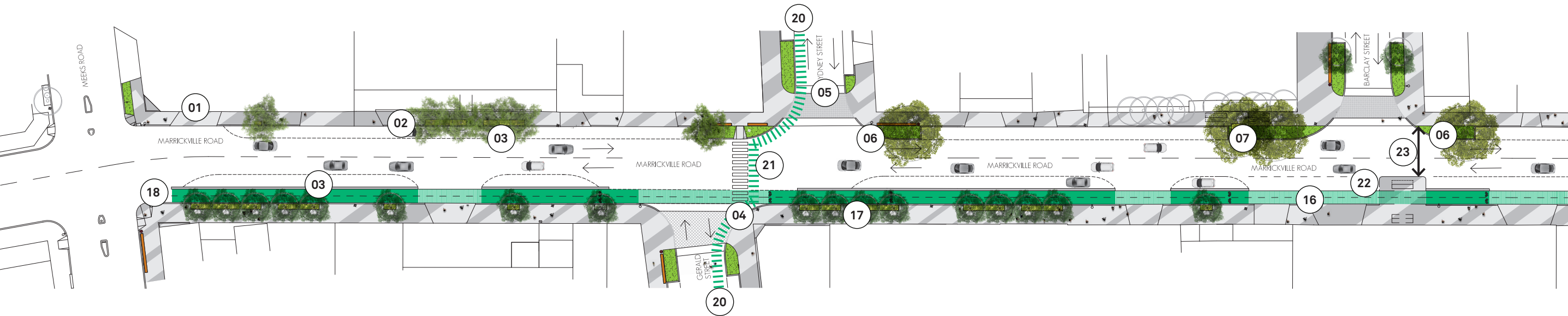
**\_Furniture and Finishes** - Articulates the proposed street furniture and pavement design along the street.

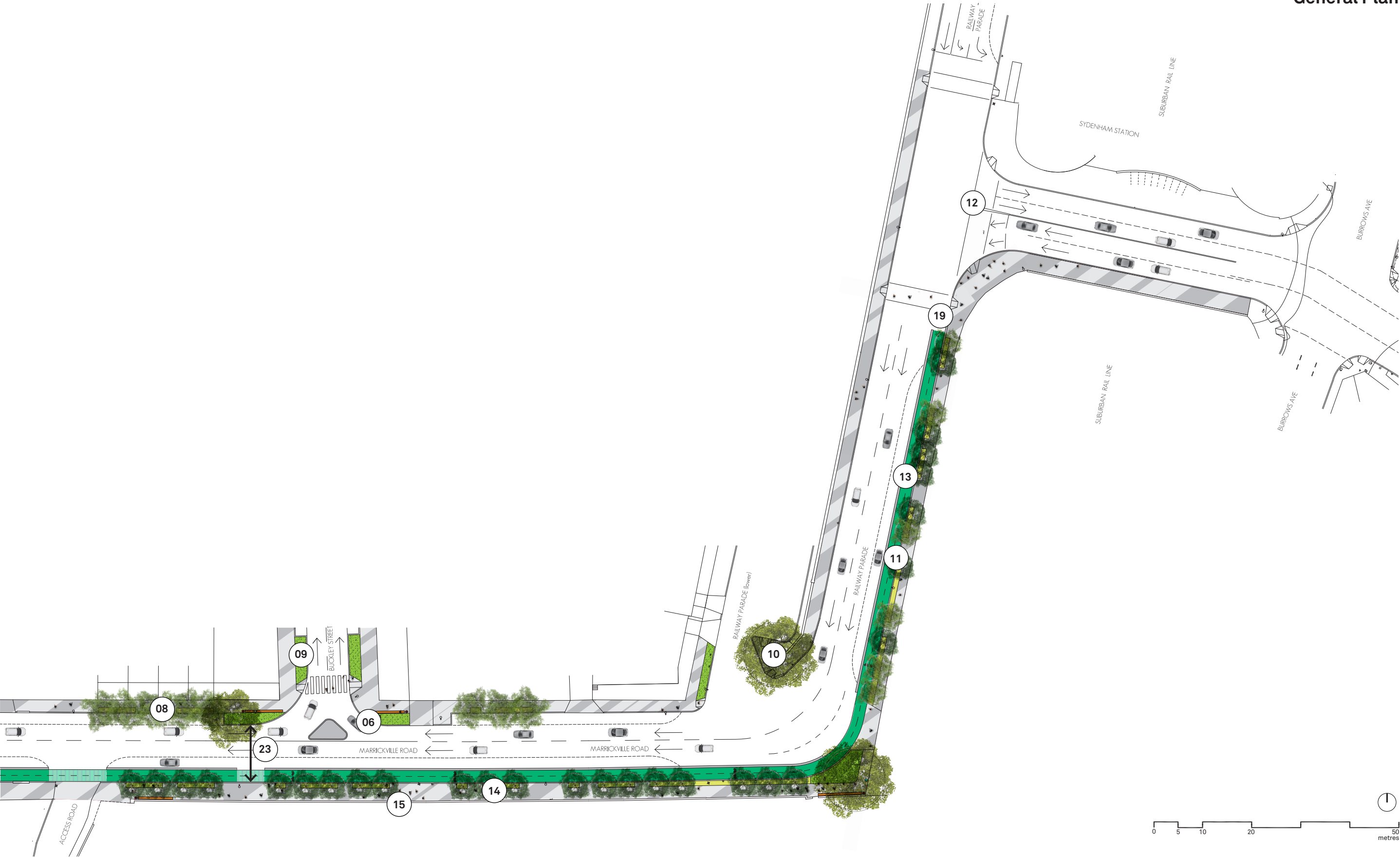
The following text and reference numbers correlate with the illustrative plan.

- 01 Existing driveway access points maintained.
- 02 Realign kerb line along northern street edge to widen the road environment allowing for bicycle lane to southern side of the street. Reinstall concrete paving and make good any damages.
- 03 Parallel parking retained.
- 04 Pedestrian priority crossing north - south crossing point.
- 05 New pedestrian priority east - west crossing points at each intersection.
- 06 New kerb blisters at each street intersection. Intersection geometry to allow for 19.0m turning vehicle. WSUD rain gardens integrated into each blister. Planting to be low grasses and groundcovers to maintain intersection sightlines.
- 07 Large existing Eucalypt tree retained. Additional groundcover planting with widened tree pit planting area.
- 08 New street tree planting with large spreading canopies along the northern road edge. The large canopies are allowed due to the lack of electricity infrastructure and aim to shade and cool the road surface. Inground lights to enhance the tree canopy at night producing street lighting to of a more human scale and improve the night time security in the area.

- 09 Kerb blisters to extend into side streets with the returns including WSUD rain gardens.
- 10 Mark precinct entry with significant tree planting - investigate species such as Ficus Rubiginosa.
- 11 Expand tree pits beneath existing and new tree plantings with native grasses and groundcovers.
- 12 Coordinate a pedestrian priority intesection with relevant agencies. Improve the pedestrain permeability of the intersection. Facilitate safe bicycle routes north-south along Railway Parade and east-west along Gleeson Avenue.
- 13 Provide new separated bicycle lane along Railway Parade. Maintain car parking. Connect to future bike lanes on northern side of Railway Parade, across redesigned intersection.
- 14 Increase the available soil medium and groundcover planting with expanded tree pits along Marrickville Road East. Replace existing street trees with new trees.
- 15 Retain existing heritage wall. Install block / batten style seating for pedestrian seating opportunities. Liaise with wall owners and heritage to use the wall as a canvas for street art. Install inground lights to enhance visual quality and improve night time casual surveillance around it.

- 16 Provide new separated bicycle lane along Marrickville Road East. Maintain car parking.
- 17 Provide new pedestrian amenity items including seating, bins, and drink fountain.
- 18 Tie bicycle lane design into regional south cycle route.
- 19 Future bicycle connection north with regional bicycle route.
- 20 Existing bicycle north-south cycle route
- 21 New bicycle-pedestrian combined zebra crossing.
- 22 Bus stop to be redesigned. Issues of accessibility and cycle path overlap to be resolved during detail design.
- 23 Possible new crossing point. Type and exact location to be specified in detail design.







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Trees

Tree Species 01\_ Tristaniopsis Laurina Luscious -x34 new trees proposed 01



**Botanic Name:**  
Tristaniopsis laurina

**Common Names:**  
Water Gum

**Family:**  
MYRTACEAE

**Origin:**  
Eastern Australia

**Typical Height:**  
7-10 metres

**Typical Width:**  
5-6 metres

**Typical Growth rate:**  
Moderate to fast.

**Typical Habit:**  
Very hardy small sized native evergreen tree with a dense canopy.

**Foliage:**  
Oblong glossy dark green leaves with a pale underside.

**Flowers:**  
Nectar rich small yellow flowers in summer.

**Fruit:**  
Small round green fleshy fruit.

**Site requirements:**  
Tolerates a wide range of soils in a full sun or part shade position.



Tree Species 02\_ Lophostemon Confertus -x27 new trees proposed 02



**Botanic Name:**  
Lophostemon confertus

**Common Names:**  
Brush Box

**Family:**  
MYRTACEAE

**Origin:**  
Eastern Australia north of Sydney

**Typical Height:**  
15-20 metres

**Typical Width:**  
8-12 metres

**Typical Growth rate:**  
Fast.

**Typical Habit:**  
A tall, sturdy evergreen native tree with rough bark at the base and smooth pinkish bark above peeling in summer to reveal greenish cream new bark. A densely spreading crown with domed head.

**Foliage:**  
Deep green, ovate to acuminate and 15cm long.

**Flowers:**  
White, dainty, 5 petalled and fragrant flowers with long fluffy stamens appearing in spring.

**Fruit:**  
Small woody capsules.

**Site requirements:**  
Sandy to medium soils in an open, sunny position, but tolerant of an extremely wide range of soils and conditions. Drought and frost tolerant.



Tree Species 03\_ Ficus Microcarpa -x2 new trees proposed 03



**Botanic Name:**  
Ficus Microcarpa var Hillii

**Common Names:**  
Hill's Weeping Fig

**Family:**  
MORACEAE

**Origin:**  
Queensland

**Typical Height:**  
15-30 metres

**Typical Width:**  
15-20 metres

**Typical Growth rate:**  
Moderate.

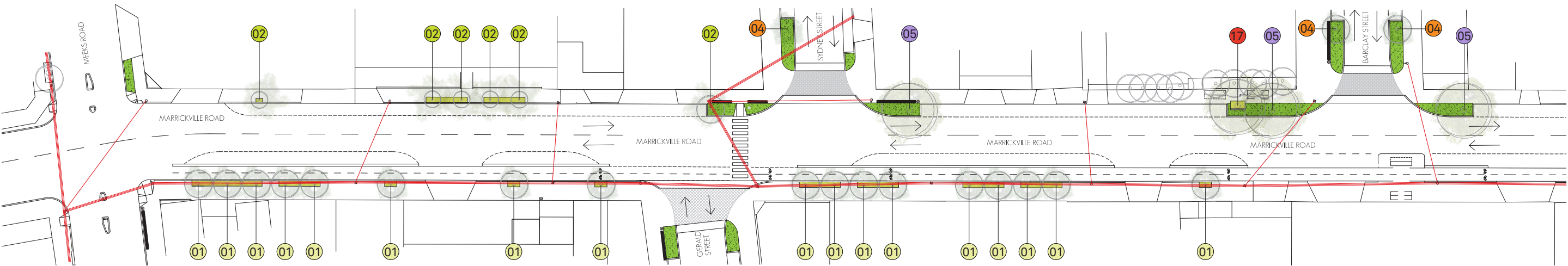
**Typical Habit:**  
An erect, sturdy native tree with a heavy dense crown. The main trunk is buttressed and sometimes aerial roots are produced.

**Foliage:**  
Evergreen. Dark glossy green leaves above paler beneath, 8-12cm long and 3-4cm wide.

**Flowers:**  
Insignificant.

**Fruit:**  
Small figs 7-10mm across, green at first then salmon-pink with greenish-yellow warts on the surface, ripen in March to April.

**Site requirements:**  
Light to medium soils in an open, sunny position. Drought, frost and salt tolerant.





Trees

Tree Species 04\_ Angophora Costata -x3 new trees proposed 04



**Botanic Name:**  
Angophora costata

**Common Names:**  
Sydney Red Gum/ Smooth Barked Apple

**Family:**  
MYRTACEAE

**Origin:**  
Eastern Australia

**Typical Height:**  
12-20 metres

**Typical Width:**  
10-13 metres

**Typical Growth rate:**  
Fast.

**Typical Habit:**  
Tall native spreading tree with smooth pink bark and twisted, gnarled branches.

**Foliage:**  
Light green, lanceolate and opposite leaves.

**Flowers:**  
White flowers occurring in large fluffy terminal clusters.

**Fruit:**  
Small ribbed woody capsules.

**Site requirements:**  
Prefers well drained to heavy soils in an open sunny position. Drought and frost resistant.



Tree Species 05\_ Liriodendron Tulipifera -x4 new trees proposed 05



**Botanic Name:**  
Liriodendron tulipifera

**Common Names:**  
Tulip tree

**Family:**  
MAGNOLIACEAE

**Origin:**  
North America

**Typical Height:**  
12-18 metres

**Typical Width:**  
6-8 metres

**Typical Growth rate:**  
Moderate.

**Typical Habit:**  
Medium to large and columnar deciduous tree with upright branching.

**Foliage:**  
Distinctly shaped-four shallow lobed, mid to lime green leaves up to 20cm long, turning to a rich golden yellow in autumn.

**Flowers:**  
Lightly fragrant, tulip shaped flowers, greenish yellow in colouring with orange markings,late spring to early summer. Only produces flowers if greater than 7 years.

**Fruit:**  
Samaras, borne in upright cone like clusters.

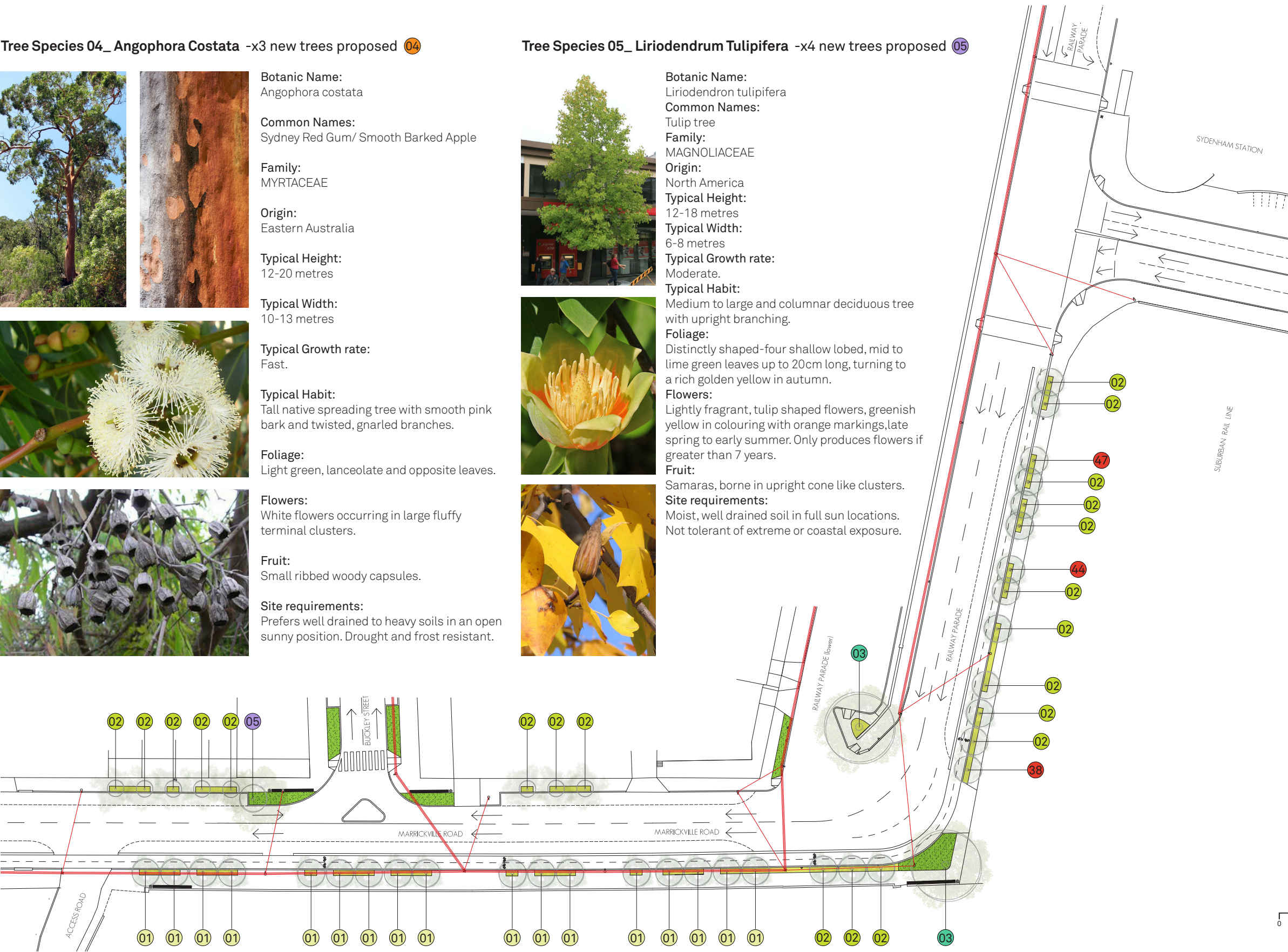
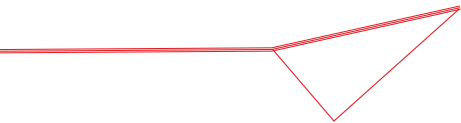
**Site requirements:**  
Moist, well drained soil in full sun locations. Not tolerant of extreme or coastal exposure.

Existing Trees - TO BE RETAINED

- 17  
Asset Number TRS28927  
Botanical Name Eucalyptus mannifera  
Height 15m  
Canopy Spread 44m  
DBH 60cm  
Age Mature
- 38  
Asset Number TRS28895  
Botanical Name Lophostemon confertus  
Height 3  
Canopy Spread 2  
DBH 12cm  
Age Semi Mature
- 44  
Asset Number TRS28889  
Botanical Name Lophostemon confertus  
Height 4  
Canopy Spread 2  
DBH 8cm  
Age Semi Mature
- 47  
Asset Number TRS28886  
Botanical Name Lophostemon confertus  
Height 4  
Canopy Spread 2  
DBH 8cm  
Age Semi Mature

**NOTE**  
All trees classified as low or medium retention value are to be removed. Refer to Tree Assessment Plan within the Site Analysis section of this document (pages 42-43).

**LEGEND**  
Existing Power Lines are **to be bundled** and are represented by Red Lines as shown below



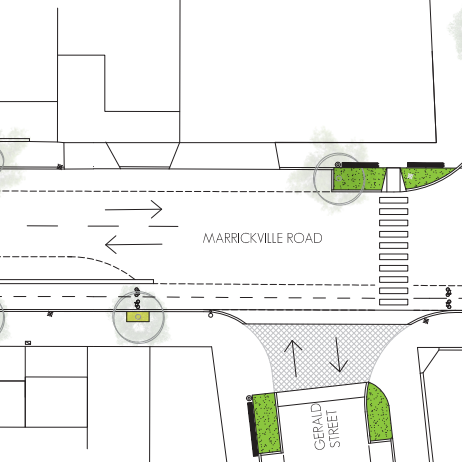
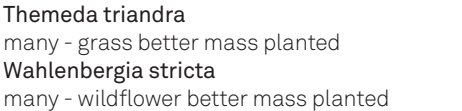
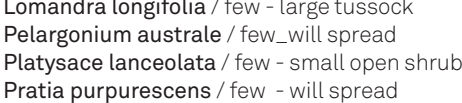
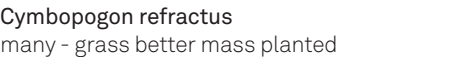


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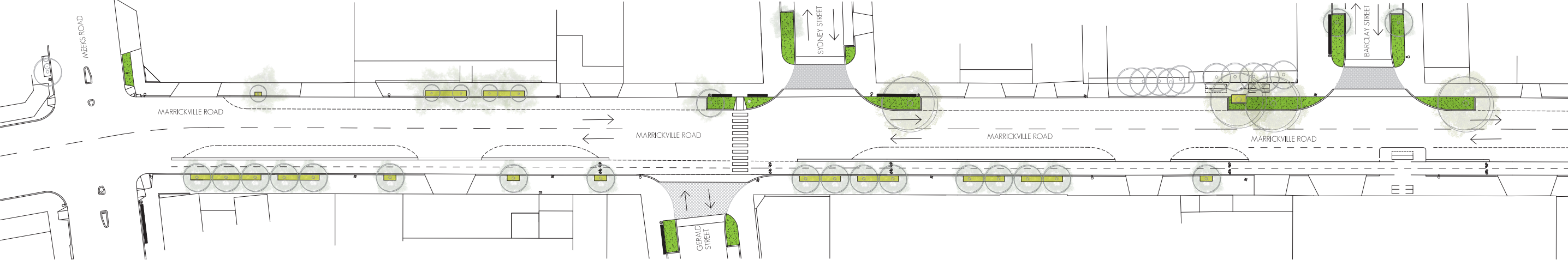
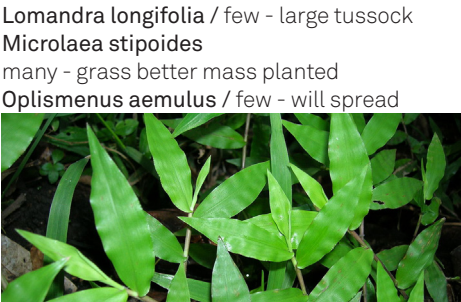
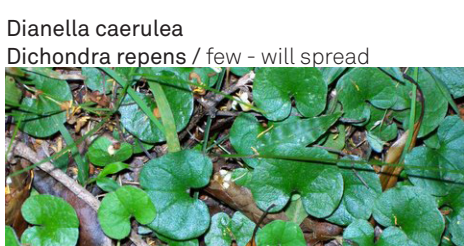
Planting

Verge Gardens Proposed Species

SUN



SHADE (UNDER TREES)





WSUD Proposed Species

IN SUN

Carex appressa / many - sedge/rush  
Carex fascicularis / most wet section only

Dianella caerulea



Dichondra repens / few - will spread  
Ficinia nodosa / many sedge/rush

Hibbertia scandens / few - will dominate  
Viola hederacea / few - will spread

Juncus usitatus / many - sedge/rush



Lomandra longifolia



Persicaria decipiens / few - flower accent  
Pratia purpurescens / few - will spread

Schoenus apogon / many - sedge/rush



Wahlenbergia gracilis / few - flower accent

Juncus kraussii / many - sedge/rush



IN SHADE (UNDER TREES)

Carex appressa / many - sedge/rush



Carex breviculmis / many - sedge/rush



Carex fascicularis / most wet section only



Dianella caerulea  
Dichondra repens / few - will spread  
Gahnia melanocarpa / few - large sedge  
Hibbertia dentata / few - will spread  
Hydrocotyle peduncularis / few - will spread  
Isolepis inundata / many - sedge/rush

Lomandra longifolia  
Juncus usitatus / many - sedge/rush  
Pratia purpurescens / few - will spread  
Schoenus apogon / many - sedge/rush  
Viola hederacea / few - will spread





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Furniture and Finishes

01\_Bike Lane Paint



02\_Concrete Pavement



Concrete pavement - texture and variation between section. Pattern to be developed during detail design. Option for integrated artist to collaborate with landscape architect and maintenance teams.

03\_Bike Rack



Stainless steel bike racks - as per the Council Design Guide

04\_Drinking Fountain



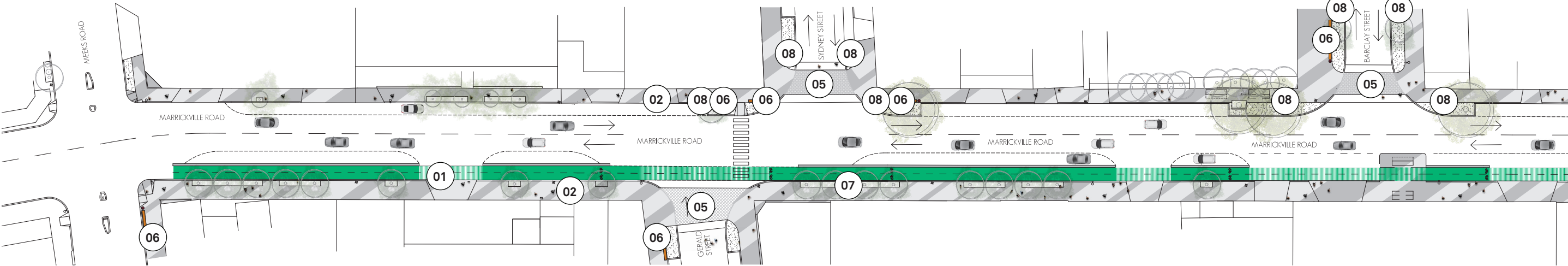
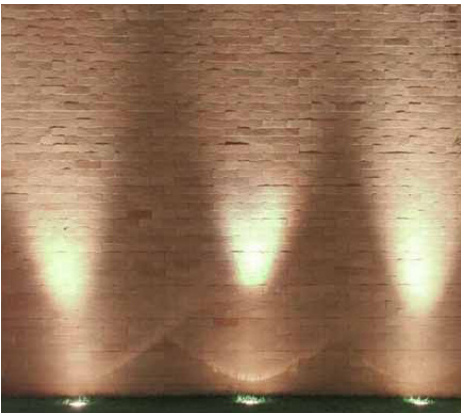
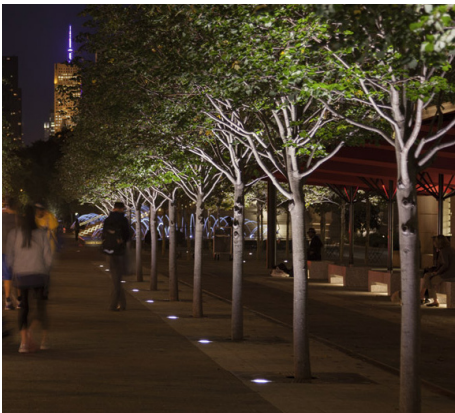
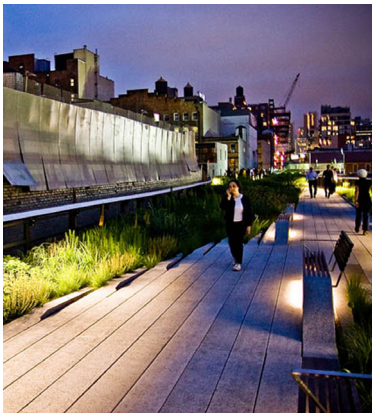
08\_Intersection WSUD

Planted raingardens at intersection provide separation for pedestrian and vehicles, green relief and water treatment. The intersections are based on 19.0m vehicle turns.



09\_Street Lighting

New illumination to bring existing lighting to a more human scale and improve security in the area. Combination of in-ground lighting to enhance newly planted trees with linear lighting projected on the ground from under side of benches and key locations such as brick heritage wall.





05\_Pedestrian crossings

05A



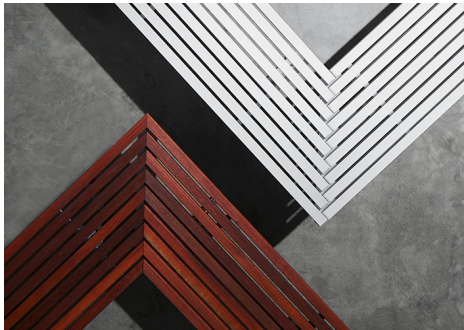
05B



05C



06\_Bench Type 02

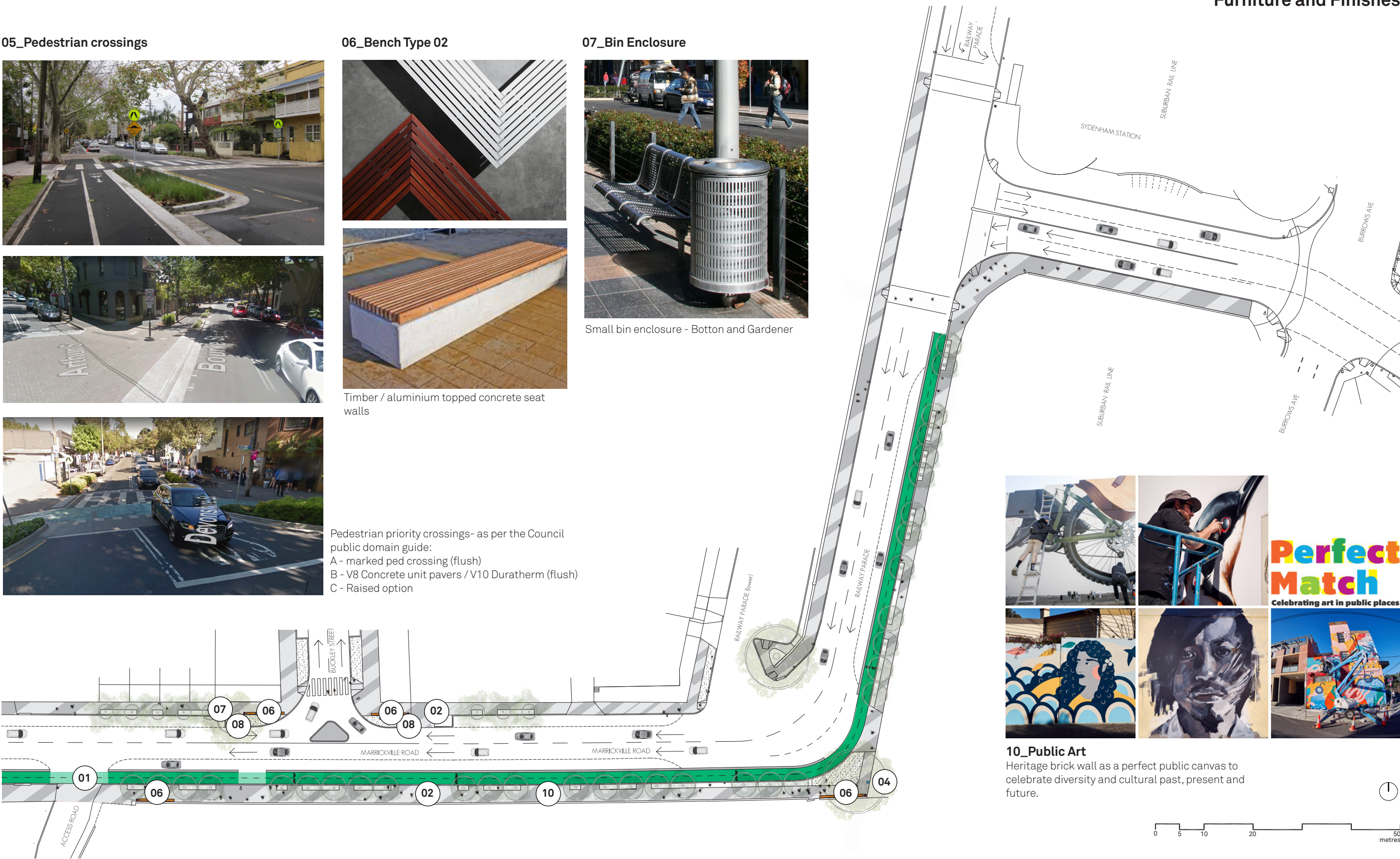


Timber / aluminium topped concrete seat walls

07\_Bin Enclosure



Small bin enclosure - Botton and Gardener



10\_Public Art

Heritage brick wall as a perfect public canvas to celebrate diversity and cultural past, present and future.

