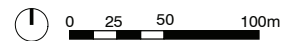
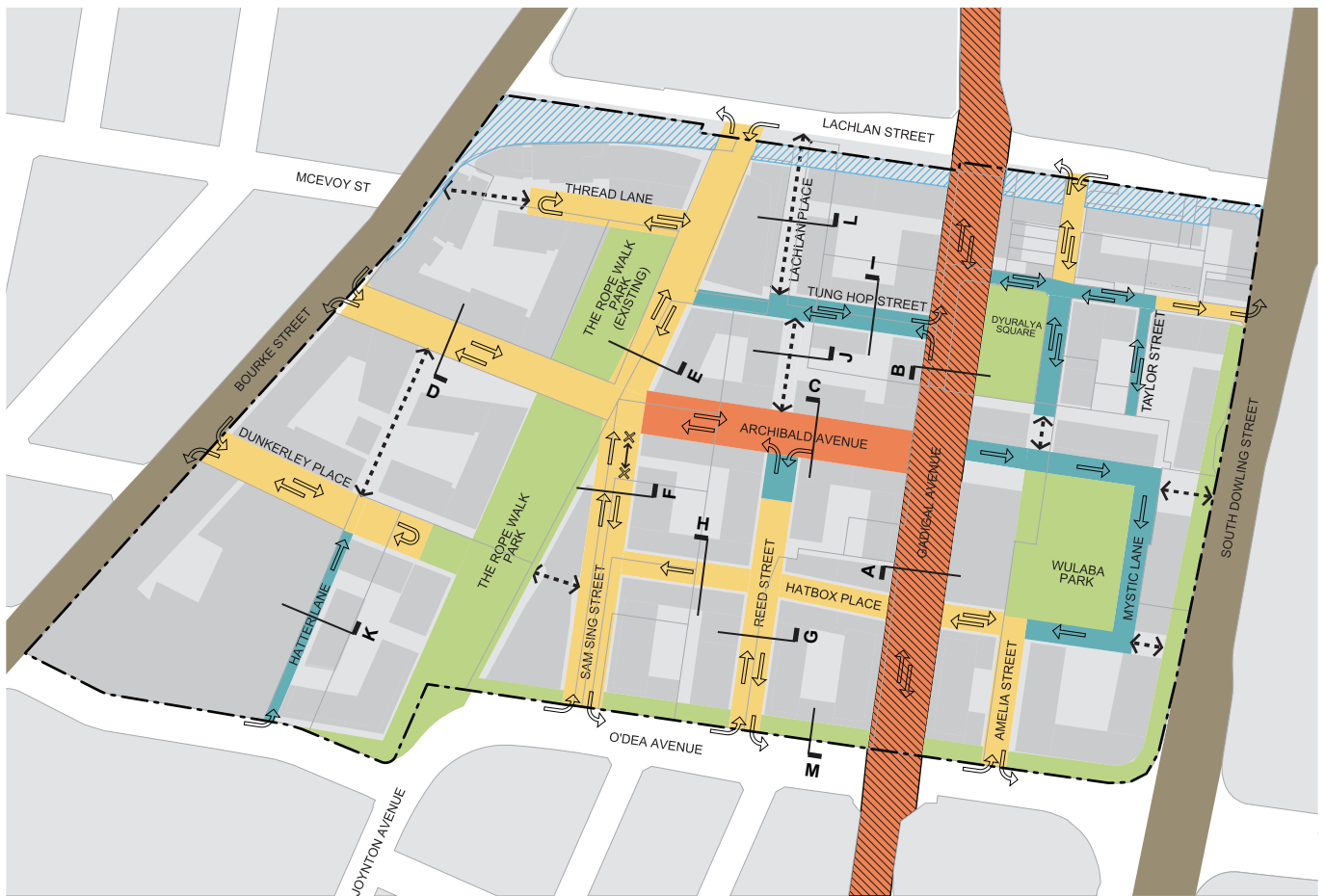


5.7

Street Sections & Materials Palette Applications

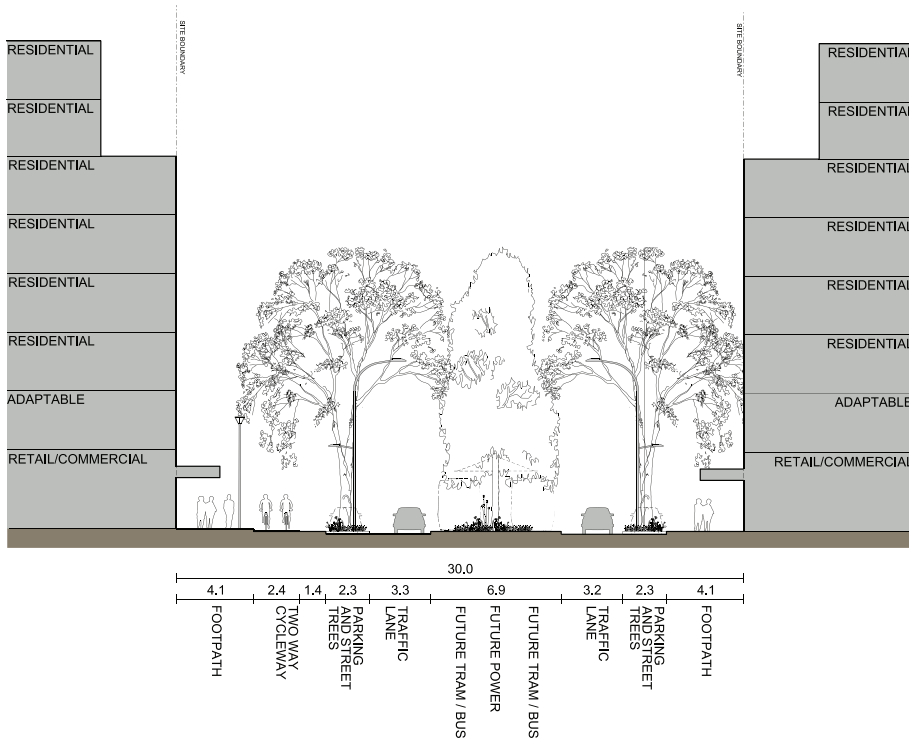
5.7.1 Street Sections - Location Map



KEY

- | | | |
|--|--|---|
| PRECINCT BOUNDARY | ARTERIAL ROAD | LOCAL STREET |
| FUTURE ROAD WIDENING | LOCAL STREET- SPECIAL APPLICATION (EASTERN TRANSIT CORRIDOR) | SHARED ZONE (SUBJECT TO DETAIL DESIGN) |
| SHARED ZONE (SUBJECT TO DETAIL DESIGN) | LOCAL STREET- SPECIAL APPLICATION (NEIGHBOURHOOD RETAIL STRIP) | VEHICULAR TRAFFIC (DIRECTION OF TRAVEL) |
| | | NO VEHICULAR ENTRY |
| | | PEDESTRIAN/CYCLE ONLY LINK |

5.7.2 Section A - Gadigal Avenue South



Key Public Domain Elements

Street Type

Refer to Diagram 5.7.1 - Local street special application (Eastern Transit Corridor)

Street Intersection Geometry

Refer to Diagram 4.1

Footpath, Kerb & Carriageway

Refer to Diagram 4.2 - CU2

Footpath pavement: Concrete unit paver (honed exposed aggregate) – Pebble crete PPX254:400 or equivalent unit size 600x400x60mm.

Parking bays: Trihex/Eco interlocking pavers.

Kerb: Insitu concrete kerb 150mm wide.

Gutter: Insitu concrete.

Carriageway: Asphalt

Separated Bi-directional Cycleway: Asphalt two-step cross section. Insitu concrete kerb.

Pram Ramps: To match footpath pavement material.

Pit Lids: Paver inset to match adjacent pavement type.

Dish Drain: Insitu concrete dish drain 900mm wide.

TGSI's (tactiles): Type 316 grade solid stainless steel tactile with slip resistant engraved sides and mill top finish.

Furniture Type

Refer to Diagram 4.3 - CSS1

City standard local areas street public domain furniture.

Lighting Type

Refer to Diagram 4.3 - CSS1

City standard light pole, LED luminaire GE R250LED + pole top or back of pole where required for footpath and cycleways.

Street Tree Type

Refer to Diagram 4.4

Trees within the parking bays: Ac- Angophora costata (Smooth Barked Apple).

Median: Ps- Populus Simonii (Simons Poplar).

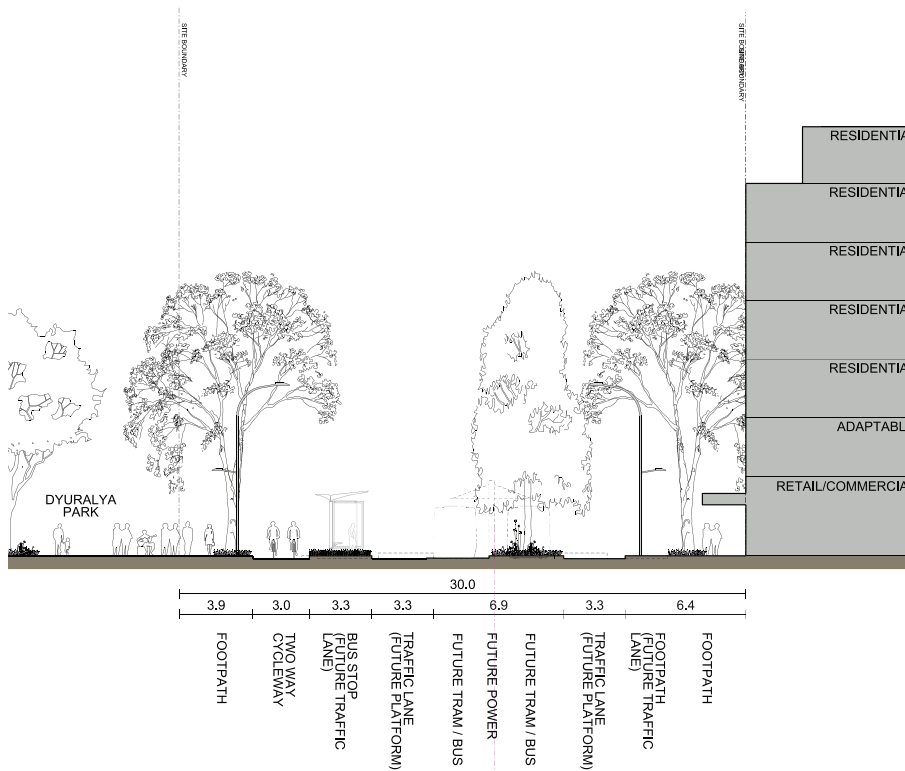
Tree Base Treatments & WSUD

Refer to Diagram 4.5

Trees within the parking bays: Mass planting, open WSUD tree pits and rain gardens (subject to flood and MUSIC modelling).

Median: Mass planting tree base treatment.

5.7.3 Section B - Gadigal Avenue North



Key Public Domain Elements

Street Type

Refer to Diagram 5.7.1 - Local street special application (Eastern Transit Corridor)

Street Intersection Geometry

Refer to Diagram 4.1

Footpath, Kerb & Carriageway

Refer to Diagram 4.2 - CU2

Footpath pavement: Concrete unit paver (honed exposed aggregate) – Pebble crete PPX254:400 or equivalent unit size 600x400x60mm.

Kerb: Insitu concrete kerb 150mm wide.

Gutter: Insitu concrete.

Carriageway: Asphalt

Separated Bi-directional Cycleway: Asphalt two-step cross section. Insitu concrete kerb.

Pram Ramps: to match footpath pavement material.

Pit Lids: Paver inset to match adjacent pavement type.

Dish Drain: Insitu concrete dish drain 900mm wide.

TGSI's (tactiles): Type 316 grade solid stainless steel tactile with slip resistant engraved sides and mill top finish.

Furniture Type

Refer to Diagram 4.3 - CSS1

City standard local areas street public domain furniture.

Lighting Type

Refer to Diagram 4.3 - CSS1

City standard light pole, LED luminaire GE R250LED + pole top or back of pole where required for footpath and cycleways.

Street Tree Type

Refer to Diagram 4.4

Trees within the footpath: Ac- Angophora costata (Smooth Barked Apple).

Median: Ps- Populus Simonii (Simons Poplar).

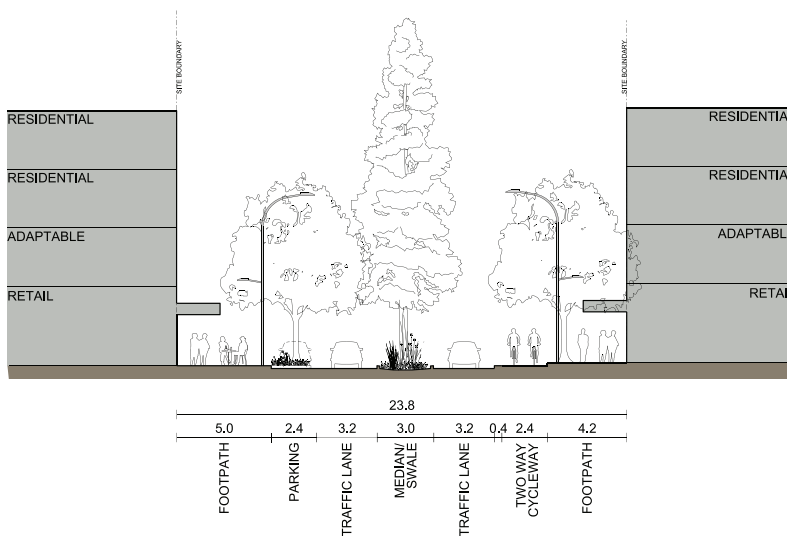
Tree Base Treatments & WSUD

Refer to Diagram 4.5

Trees within the parking bays: Mass planting, open WSUD tree pits and rain gardens (subject to flood and MUSIC modelling).

Median: Mass planting tree base treatment.

5.7.4 Section C - Archibald Avenue East



Key Public Domain Elements

Street Type

Refer to Diagram 5.7.1 - Local street special application (Neighbourhood retail strip)

Street Intersection Geometry

Refer to Diagram 4.1

Footpath, Kerb & Carriageway

Refer to Diagram 4.2 - CU1

Footpath pavement: Concrete unit paver (honed exposed aggregate) – Pebble crete PPX254:400 or equivalent unit size 600x400x60mm.

Parking bays: Trihex/Eco interlocking pavers.

Kerb: Deepark bluestone units 300 X 300 x 1200 with 15mm chamfered edge to gutter side. Cut to radii as specified. Stormwater lintel to match kerb material.

Gutter: Insitu concrete.

Carriageway: Asphalt

Separated Bi-directional Cycleway: Asphalt two-step cross section. Bluestone kerb.

Pram Ramps: To match footpath pavement material.

Pit Lids: Paver inset to match adjacent pavement type.

Dish Drain: Insitu concrete dish drain 900mm wide.

TGSI's (tactiles): Type 316 grade solid stainless steel tactile with slip resistant engraved sides and mill top finish.

Furniture Type

Refer to Diagram 4.3 - CSS1

City standard local areas street public domain furniture.

Lighting Type

Refer to Diagram 4.3 - CSS1

City standard light pole, LED luminaire GE R250LED + pole top or back of pole where required for footpath & cycleways.

Street Tree Type

Refer to Diagram 4.4

Trees within the footpath and parking bays: Ti- Tristaniopsis laurina (Water Gum).

Median: Ar- Agathis Robusta (Queensland Kauri).

Tree Base Treatments & WSUD

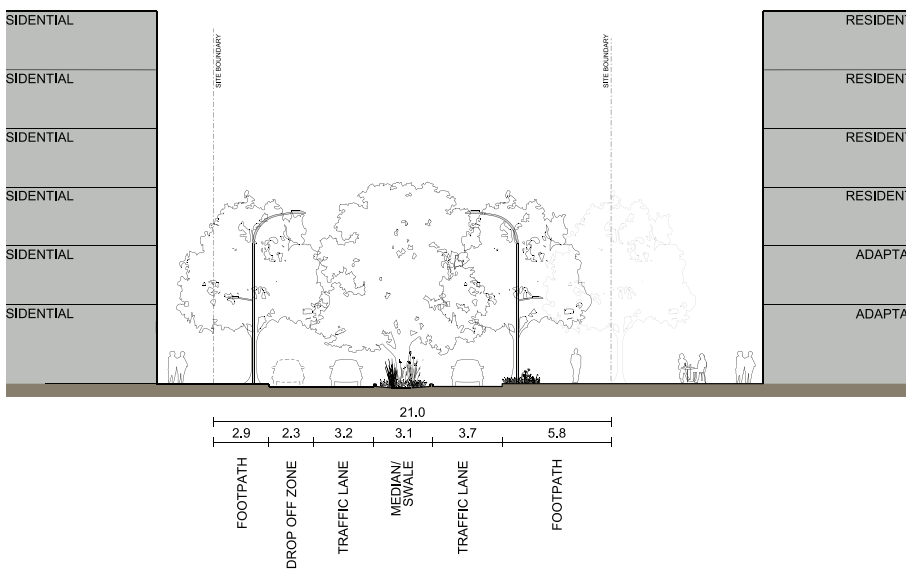
Refer to Diagram 4.5

Trees within the footpath: Cast iron or galvanised steel grates (to comply with AS 1428 for maximum gap).

Median: Bioretention swales (subject to flood and MUSIC modelling). Precast concrete dolphin kerbs.

Trees within the parking bays: Mass planting tree base treatment.

5.7.5 Section D - Archibald Avenue West



Key Public Domain Elements

Street Type

Refer to Diagram 5.7.1 - Local street special application (Neighbourhood retail strip)

Street Intersection Geometry

Refer to Diagram 4.1

Footpath, Kerb & Carriageway

Refer to Diagram 4.2 - CU1

Footpath pavement: Concrete unit paver (honed exposed aggregate) – Pebble crete PPX254:400 or equivalent unit size 600x400x60mm.

Parking bays: Trihex/Eco interlocking pavers.

Kerb: Insitu concrete kerb 150mm wide.

Gutter: Insitu concrete.

Carriageway: Asphalt

Separated Bi-directional Cycleway: Asphalt two-step cross section. Insitu concrete kerb.

Pram Ramps: To match footpath pavement material.

Pit Lids: Paver inset to match adjacent pavement type.

Dish Drain: Insitu concrete dish drain 900mm wide.

TGSI's (tactiles): Type 316 grade solid stainless steel tactile with slip resistant engraved sides and mill top finish.

Furniture Type

Refer to Diagram 4.3 - CSS1

City standard local areas street public domain furniture.

Lighting Type

Refer to Diagram 4.3 - CSS1

City standard light pole, LED luminaire GE R250LED + pole top or back of pole where required for footpath & cycleways.

Street Tree Type

Refer to Diagram 4.4

Trees within the footpath and parking bays: Ti- Tristaniopsis laurina (Water Gum).

Median: Ar- Agathis Robusta (Queensland Kauri).

Tree Base Treatments & WSUD

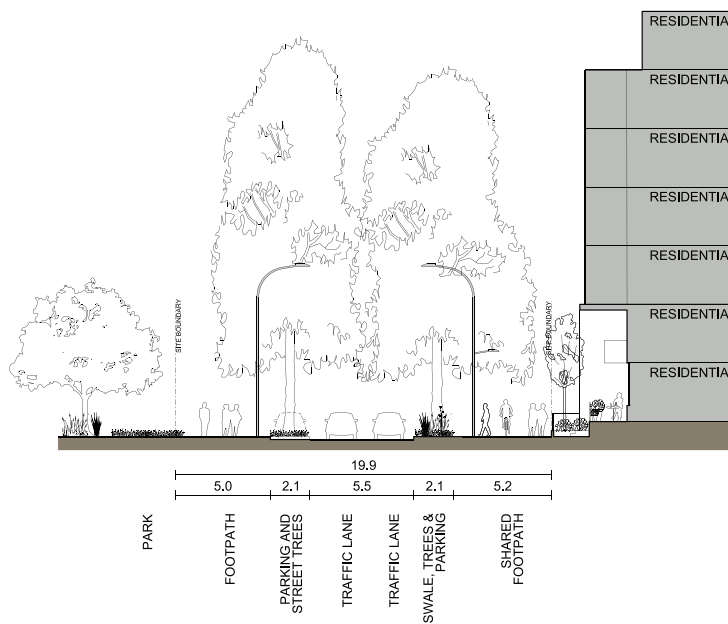
Refer to Diagram 4.5

Trees within the footpath: Terrabond (or equivalent) porous fill tree base treatment.

Median: Bioretention swales (subject to flood and MUSIC modelling). Precast concrete dolphin kerbs.

Trees within the parking bays: Mass planting tree base treatment.

5.7.6 Section E - Sam Sing Street North



Key Public Domain Elements

Street Type

Refer to Diagram 5.7.1 - Local Street

Street Intersection Geometry

Refer to Diagram 4.1

Footpath, Kerb & Carriageway

Refer to Diagram 4.2 - CI

Footpath pavement: Insitu concrete (honed with sawcut joints). Product type to include low embodied energy 'green concrete'.

Parking bays: Trihex/Eco interlocking pavers.

Kerb: Insitu concrete kerb 150 mm wide.

Gutter: Insitu concrete.

Carriageway: Asphalt.

Pram Ramps: To match footpath pavement material.

Pit Lids: Paver inset to match adjacent pavement type.

Dish Drain: Insitu concrete dish drain 900mm wide.

TGSI's (tactiles): Type 316 grade solid stainless steel tactile with slip resistant engraved sides and mill top finish.

Furniture Type

Refer to Diagram 4.3 - CSS1

City standard local areas street public domain furniture.

Lighting Type

Refer to Diagram 4.3 - CSS1

City Standard Light Pole, LED luminaire GE R250LED + pole top or back of pole where required for footpath.

Street Tree Type

Refer to Diagram 4.4

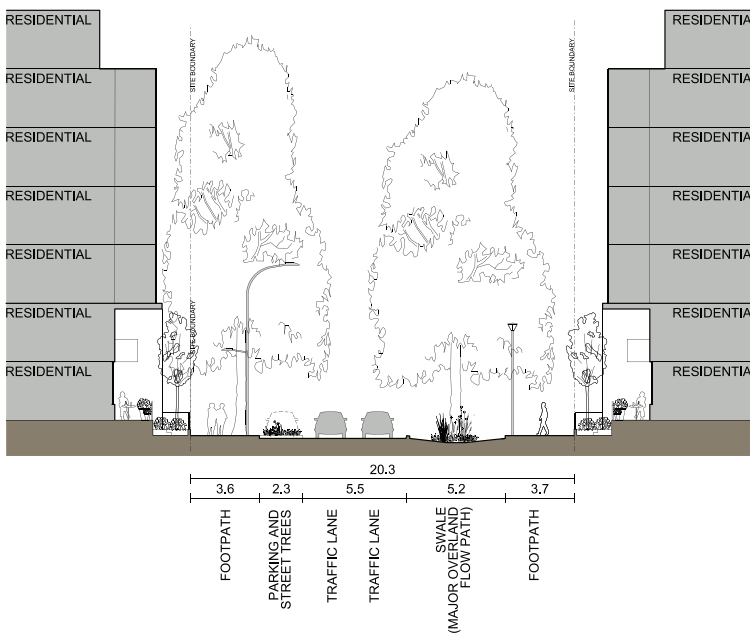
Trees within the footpath and parking bays: Lt- Liriodendron tulipifera (Tulip Tree).

Tree Base Treatments & WSUD

Refer to Diagram 4.5

Trees within the footpath and parking bays: Mass planting, open WSUD tree pits and rain gardens (subject to flood and MUSIC modelling).

5.7.7 Section F - Sam Sing Street South



Key Public Domain Elements

Street Type

Refer to Diagram 5.7.1 - Local Street

Street Intersection Geometry

Refer to Diagram 4.1

Footpath, Kerb & Carriageway

Refer to Diagram 4.2 - CI

Footpath pavement: Insitu concrete (honed with sawcut joints). Product type to include low embodied energy 'green concrete'.

Parking bays: Trihex/Eco interlocking pavers.

Kerb: Insitu concrete kerb 150 mm wide.

Gutter: Insitu concrete.

Carriageway: Asphalt.

Pram Ramps: To match footpath pavement material.

Pit Lids: Paver inset to match adjacent pavement type.

TGSI's (tactiles): Type 316 grade solid stainless steel tactile with slip resistant engraved sides and mill top finish.

Furniture Type

Refer to Diagram 4.3 - CSS1

City standard local areas street public domain furniture.

Lighting Type

Refer to Diagram 4.3 - CSS1

City Standard Light Pole, LED luminaire GE R250LED + pole top or back of pole where required for footpath.

Street Tree Type

Refer to Diagram 4.4

Trees within the footpath and median: Lt-Liriodendron tulipifera (Tulip Tree).

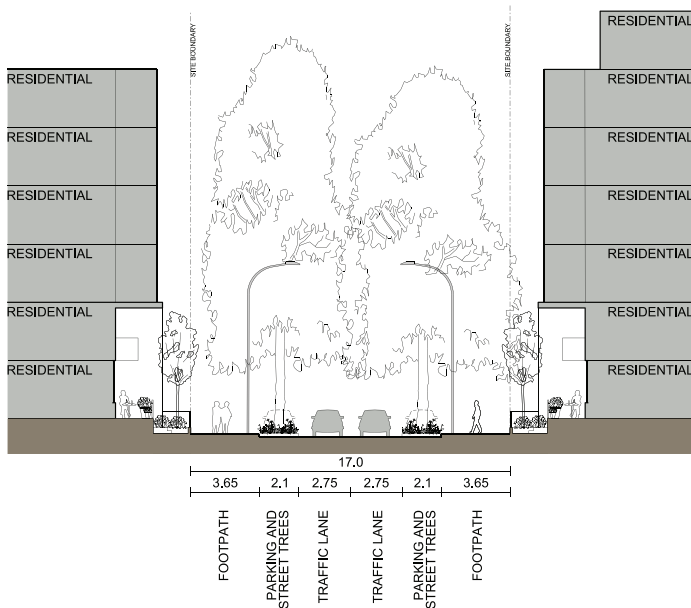
Tree Base Treatments & WSUD

Refer to Diagram 4.5

Median: Bioretention swales (subject to flood and MUSIC modelling). Precast concrete dolphin kerbs.

Trees within the footpath: Terrabond (or equivalent) porous fill tree base treatment.

5.7.8 Section G - Reed Street



Key Public Domain Elements

Street Type

Refer to Diagram 5.7.1 - Local Street

Street Intersection Geometry

Refer to Diagram 4.1

Footpath, Kerb & Carriageway

Refer to Diagram 4.2 - CI

Footpath pavement: Insitu concrete (honed with sawcut joints). Product type to include low embodied energy 'green concrete'.

Parking bays: Trihex/Eco interlocking pavers.

Kerb: Insitu concrete kerb 150 mm wide.

Gutter: Insitu concrete.

Carriageway: Asphalt.

Pram Ramps: To match footpath pavement material.

Pit Lids: Paver inset to match adjacent pavement type.

Dish Drain: Insitu concrete dish drain 900mm wide.

TGSI's (tactiles): Type 316 grade solid stainless steel tactile with slip resistant engraved sides and mill top finish.

Furniture Type

Refer to Diagram 4.3 - CSS1

City standard local areas street public domain furniture.

Lighting Type

Refer to Diagram 4.3 - CSS1

City Standard Light Pole, LED luminaire GE R250LED + pole top or back of pole where required for footpath.

Street Tree Type

Refer to Diagram 4.4

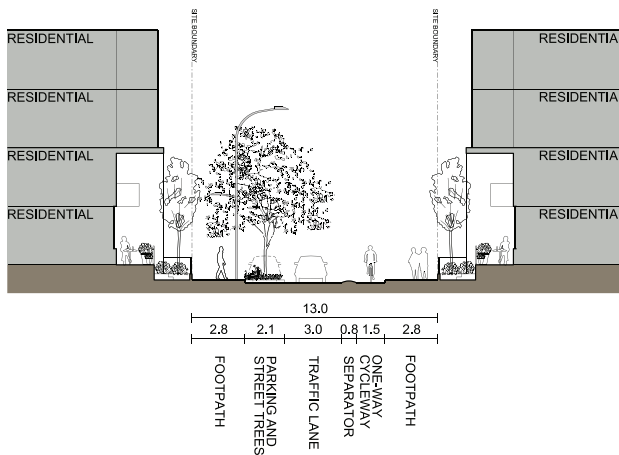
Trees within the parking bays: Ps- Populus Simonii (Simons Poplar).

Tree Base Treatments & WSUD

Refer to Diagram 4.5

Trees within the parking bays: Mass planting, open WSUD tree pits and rain gardens (subject to flood and MUSIC modelling).

5.7.9 Section H - Hatbox Place



Key Public Domain Elements

Street Type

Refer to Diagram 5.7.1 - Local Street

Street Intersection Geometry

Refer to Diagram 4.1

Footpath, Kerb & Carriageway

Refer to Diagram 4.2 - C1

Footpath pavement: Insitu concrete (honed with sawcut joints). Product type to include low embodied energy 'green concrete'.

Parking bays: Trihex/Eco interlocking pavers.

Kerb: Insitu concrete kerb 150 mm wide.

Gutter: Insitu concrete.

Carriageway: Asphalt.

Separated Contraflow Cycleway: Asphalt at grade cross section. Rolled separator.

Pram Ramps: To match footpath pavement material.

Pit Lids: Paver inset to match adjacent pavement type.

Dish Drain: Insitu concrete dish drain 900mm wide.

TGSI's (tactiles): Type 316 grade solid stainless steel tactile with slip resistant engraved sides and mill top finish.

Furniture Type

Refer to Diagram 4.3 - CSS1

City standard local areas street public domain furniture.

Lighting Type

Refer to Diagram 4.3 - CSS1

City Standard Light Pole, LED luminaire GE R250LED + pole top or back of pole where required for footpath.

Street Tree Type

Refer to Diagram 4.4

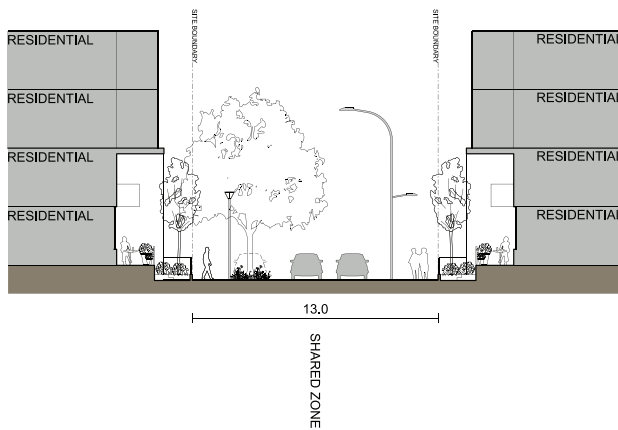
Trees within the parking bays: Kp-Koelreuteria paniculata (Golden Rain Tree).

Tree Base Treatments & WSUD

Refer to Diagram 4.5

Trees within the parking bays: Mass planting, open WSUD tree pits and rain gardens (subject to flood and MUSIC modelling).

5.7.10 Section I - Tung Hop Street



Key Public Domain Elements

Street Type

Refer to Diagram 5.7.1 - Shared Zone

Street Intersection Geometry

Refer to Diagram 4.1

Footpath, Kerb & Carriageway

Refer to Diagram 4.2 - T1

Pavement: Trihex/ permeable interlocking 'eco pavers' or equivalent. Subject to local site conditions and detail design.

Kerb: insitu concrete flush kerb 150 mm wide (if required).

Vehicle Cross Over : to match shared zone pavement material.

Pit Lids: paver inset to match adjacent pavement type.

TGSI's (tactiles): type 316 grade solid stainless steel tactile with slip resistant engraved sides and mill top finish.

Furniture Type

Refer to Diagram 4.3 - CSS1

City standard local areas street public domain furniture.

Lighting Type

Refer to Diagram 4.3 - CSS1

City Standard Light Pole, LED luminaire GE R250LED + pole top or back of pole where required.

Street Tree Type

Refer to Diagram 4.4

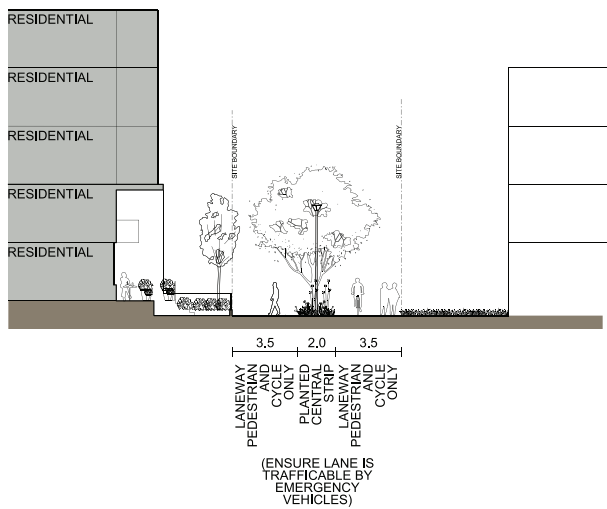
Ab- Acer buergerianum (Trident Maple).

Tree Base Treatments & WSUD

Refer to Diagram 4.5

Mass planting, open WSUD tree pits and rain gardens (subject to flood and MUSIC modelling).

5.7.11 Section J - Lachlan Place South



Key Public Domain Elements

Street Type

Refer to Diagram 5.7.1 - Pedestrian and cycle only through-site links.

Street Intersection Geometry

Refer to Diagram 4.1

Footpath, Kerb & Carriageway

Refer to Diagram 4.2 - CU3

Pavement: concrete unit setts paver (honed exposed aggregate) – Pebble crete PPX254:400 or bi-pavers. Subject to local site drainage conditions and emergency vehicles trafficability requirements.

Pit Lids: paver inset to match adjacent pavement type.

TGSI's (tactiles): type 316 grade solid stainless steel tactile with slip resistant engraved sides and mill top finish.

Furniture Type

Refer to Diagram 4.3 - CSPS1

City standard local areas street public domain furniture.

Lighting Type

Refer to Diagram 4.3 - CSPS1

City standard pedestrian pole with post top GE Evolve LED luminaire.

Street Tree Type

Refer to Diagram 4.4

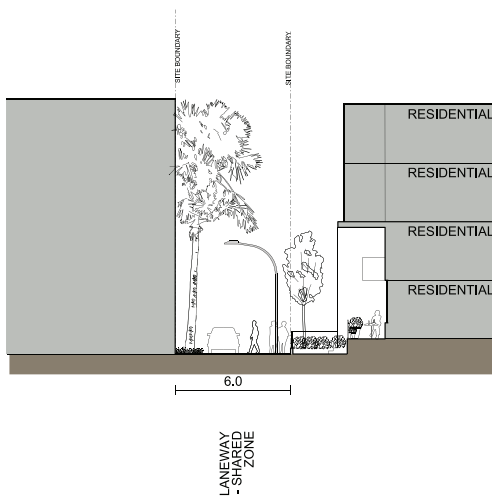
Eq- Elaeocarpus eumundi (Eumundi Quondong).

Tree Base Treatments & WSUD

Refer to Diagram 4.5

Mass planting tree base treatment.

5.7.12 Section K - Hatter Lane



Key Public Domain Elements

Street Type

Refer to Diagram 5.7.1 - Shared Zone

Street Intersection Geometry

Refer to Diagram 4.1

Footpath, Kerb & Carriageway

Refer to Diagram 4.2 - T1

Pavement: Trihex/ permeable interlocking 'eco pavers' or equivalent. Subject to local site conditions and detail design.

Kerb: insitu concrete flush kerb 150 mm wide (if required).

Vehicle Cross Over : to match shared zone pavement material.

Pit Lids: paver inset to match adjacent pavement type.

TGSI's (tactiles): type 316 grade solid stainless steel tactile with slip resistant engraved sides and mill top finish.

Furniture Type

Refer to Diagram 4.3 - CSPS2

City standard local areas street public domain furniture.

Lighting Type

Refer to Diagram 4.3 - CSPS2

City Standard pedestrian pole with post top GE Odyssey LED luminaire.

Street Tree Type

Refer to Diagram 4.4

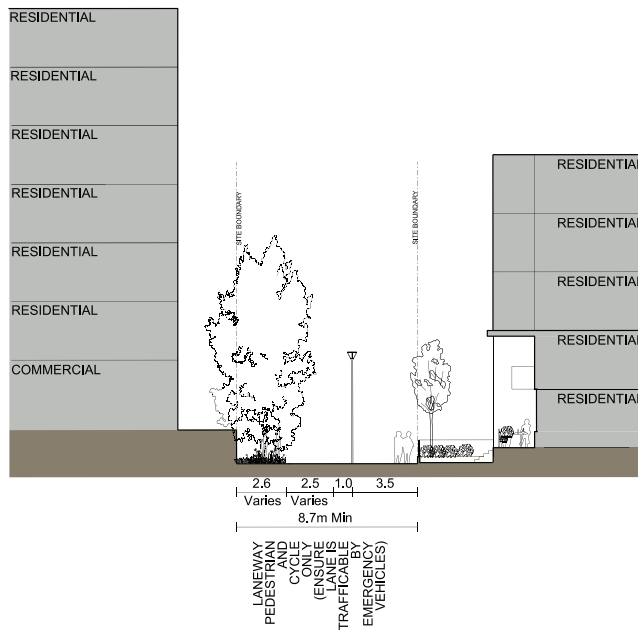
La- Livistona australis (Cabbage Tree Palm).

Tree Base Treatments & WSUD

Refer to Diagram 4.5

Mass planting tree base treatment.

5.5.13 Section L - Lachlan Place North



Key Public Domain Elements

Street Type

Refer to Diagram 5.7.1 - Pedestrian and cycle only through-site links.

Street Intersection Geometry

Refer to Diagram 4.1

Footpath, Kerb & Carriageway

Refer to Diagram 4.2 - CU3

Pavement: concrete unit setts paver (honed exposed aggregate) – Pebble crete PPX254:400 or bi-pavers. Subject to local site drainage conditions and emergency vehicles trafficability requirements.

Pit Lids: paver inset to match adjacent pavement type.

TGSI's (tactiles): type 316 grade solid stainless steel tactile with slip resistant engraved sides and mill top finish.

Furniture Type

Refer to Diagram 4.3 - CSPS1

City standard local areas street public domain furniture.

Lighting Type

Refer to Diagram 4.3 - CSPS1

City standard pedestrian pole with post top GE Evolve LED luminaire.

Street Tree Type

Refer to Diagram 4.4

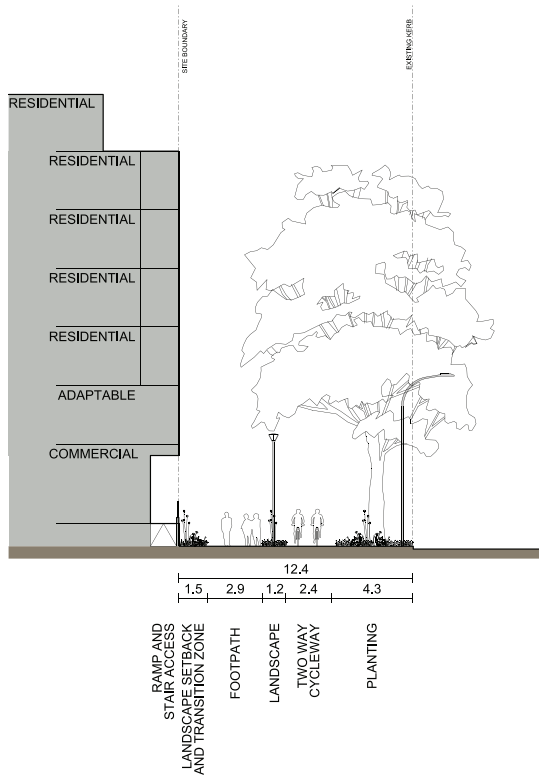
Median: Er- Elaeocarpus reticulatus (Blue Berry Ash).

Tree Base Treatments & WSUD

Refer to Diagram 4.5

Median: Bioretention swales (subject to flood and MUSIC modelling).

5.5.14 Section M - O’Dea Avenue (Northern Setback and Footpath)



Key Public Domain Elements

Street Type

Refer to Diagram 5.7.1 - Local Street

Street Intersection Geometry

Refer to Diagram 4.1

Footpath, Kerb & Carriageway

Refer to Diagram 4.2 - CI

Footpath pavement: In situ concrete (honed with sawcut joints). Product type to include low embodied energy 'green concrete'.

Kerb: In situ concrete kerb 150 mm wide.

Gutter: In situ concrete.

Carriageway: Asphalt.

Separated Bi-directional Cycleway:

Asphalt two-step cross section. In situ concrete kerb.

Pram Ramps: To match footpath pavement material.

Pit Lids: paver inset to match adjacent pavement type.

TGSI's (tactiles): type 316 grade solid stainless steel tactile with slip resistant engraved sides and mill top finish.

Furniture Type

Refer to Diagram 4.3 - CSS1

City standard local areas street public domain furniture.

Lighting Type

Refer to Diagram 4.3 - CSS1

City Standard Light Pole, LED luminaire GE R250LED + pole top or back of pole where required for footpath.

Street Tree Type

Refer to Diagram 4.4

Lc- Lophostemon confertus (Brush Box).

Tree Base Treatments & WSUD

Refer to Diagram 4.5

Trees within the footpath: mass planting, open WSUD tree pits and rain gardens (subject to flood and MUSIC modelling)

Appendices

Attachment A

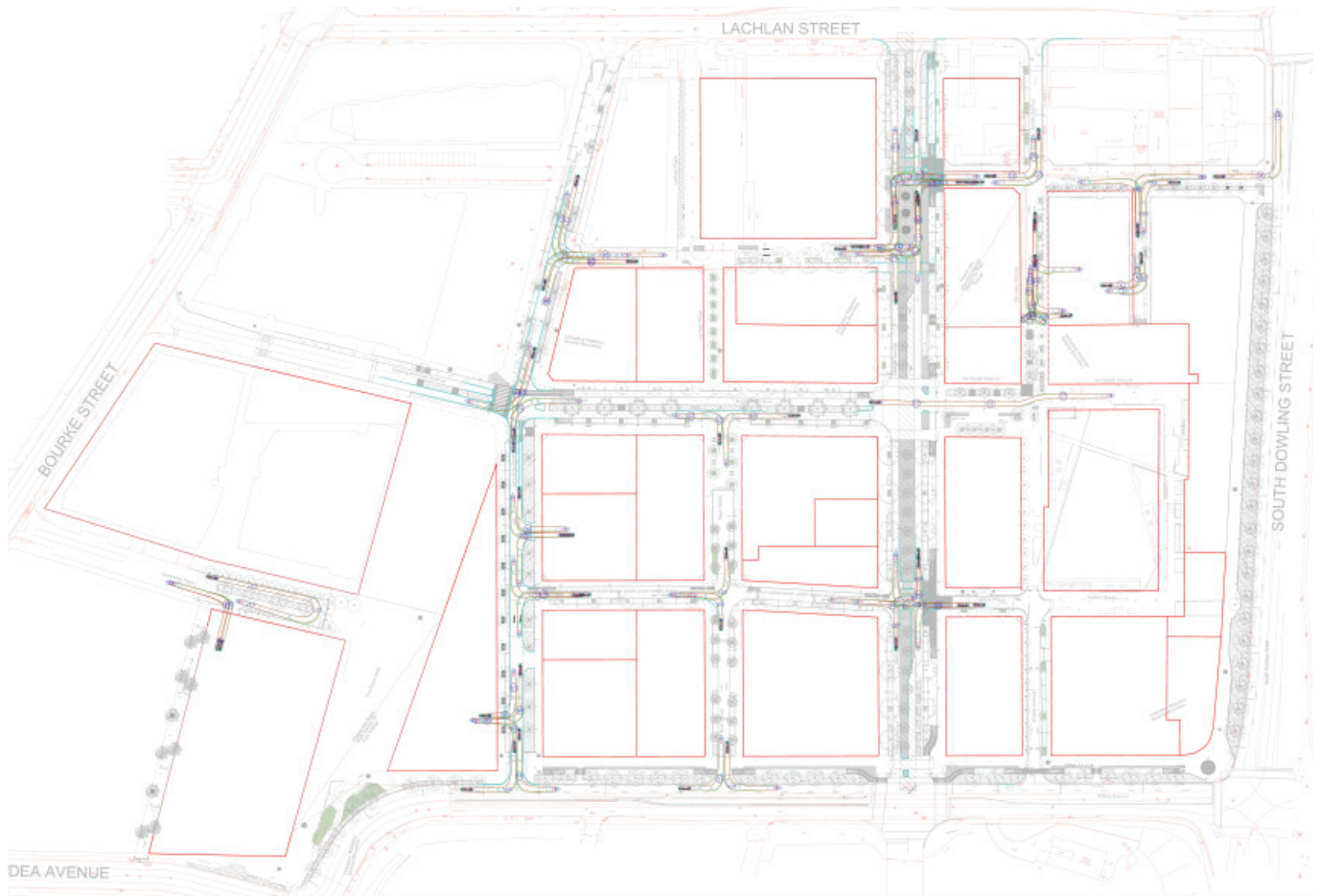
Drawing LPDS01- Public Domain Concept Design Landscape Plan



Note: Full size A1 plan is available upon request.

Attachment B

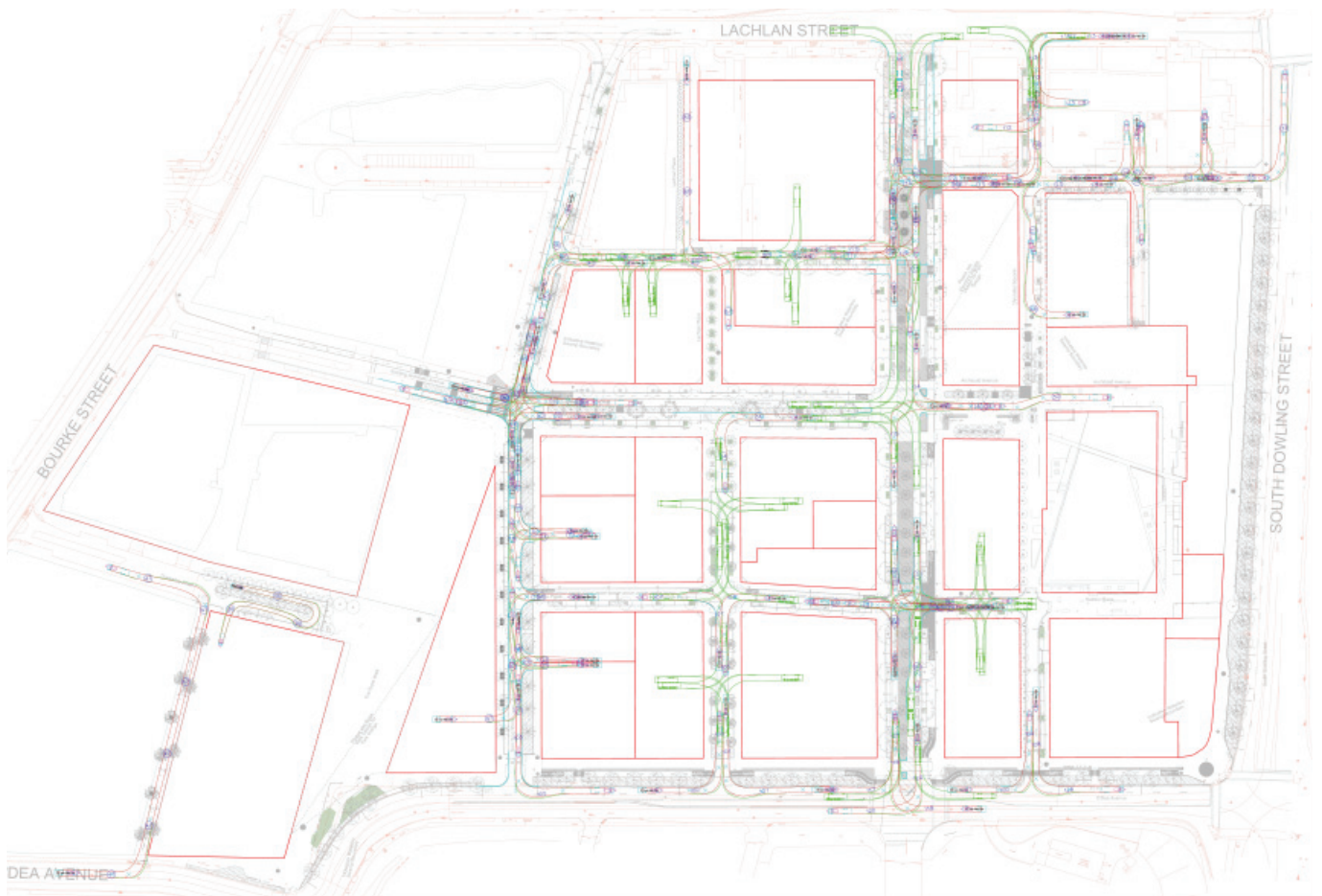
Drawing LPDS02- Public Domain Concept Design B99 Vehicle Swept Path Plan



Note: Full size A1 plan is available upon request.

Attachment C

Drawing LPDS03- Public Domain Concept Design 9.9M Service Vehicle Swept Path Plan



Note:

1. Final kerb arrangements to be finalised in detail design, and will require a 250mm clearance from the 9.9m service vehicle wheel path (illustrated service vehicle swept paths include only a nominal 75mm buffer either side).
2. Full size A1 plan is available upon request.

