

# Roof Terrace Planting Palette

Planting across the roof terraces include a range of native species with a focus on flowering and bird attracting shrubs and small trees and shade tolerant species.

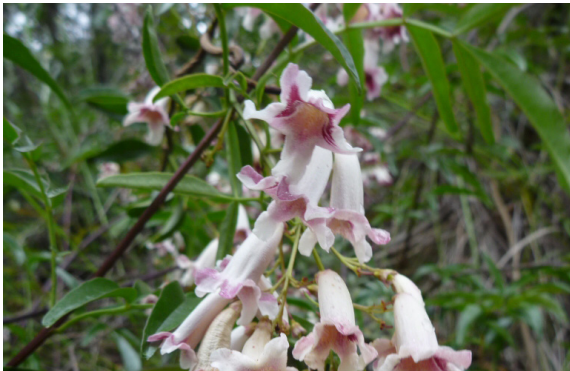
Fragrant herbs will be planted for use on terraces where allotment style planters are provided.

The design will provide sufficient soil volume to all plants and large shrubs on the podium, to ensure they are able to grow at an adequate rate and will be healthy specimens.

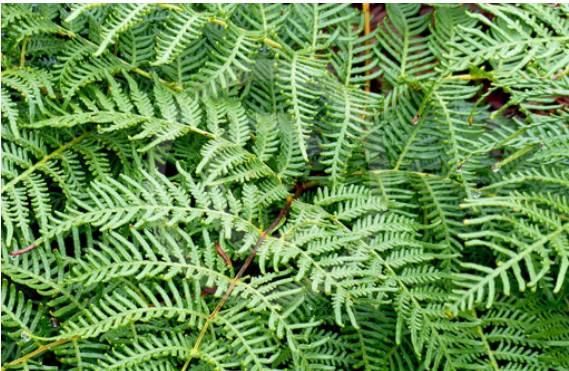
Green Roof Planting Mix			
Botanical Name	Common Name	Pot Size	Origin
Leptospermum laevigatum	Coastal Tea Tree	400mm	Native
Pandorea pandorana	Wonga wonga vine	140mm	Native
Pteridium esculentum	Bracken Fern	200mm	Native
Banksia serrata	Saw Tooth Banksia	200mm	Native
Banksia ericfolia	Lantern Banksia	140mm	Native
Acacia longifolia	Golden Wattle	140mm	Native
Pennisetum alopecuroides	Fountain Grass	140mm	Native
Dianella caerulea	Blueberry Lily	200mm	Native
Viola hederacea	Common Violet	140mm	Native
Austrodanthonia setacea	Wallaby Grass	140mm	Native
Eragrostis brownii	Browns Lovegrass	200mm	Native
Ficinia nodosa	Club rush	140mm	Native
Salvia rosmarinus	Rosemary	140mm	Exotic
Salvia officinalis	Sage	140mm	Exotic
Mentha spicata	Garden mint	140mm	Exotic
Origanum vulgare	Oregano	140mm	Exotic



Leptospermum laevigatum



Pandorea pandorana



Pteridium esculentum



Banksia serrata



Banksia ericfolia



Acacia longifolia



Pennisetum alopecuroides



Dianella caerulea



Salvia rosmarinus



Salvia officinalis



Mentha



Origanum vulgare



# Southern Precinct Design Guidance Compliance

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# Design Amenity Guidelines Compliance

PART 3C - PUBLIC DOMAIN				
3C.01.	Objective	Provide publicly accessible plazas adjacent to the station entries that connect the Metro Quarter to the surrounding streets and neighbourhood	Compliant	Refer Spatial Compliance diagram
3C.02.	Objective	Create a high quality, integrated, permeable and multifunctional public domain that caters for movement, recreation and social interaction	Compliant	Refer to Precinct Masterplan Diagram - page 10
3C.03.	Objective	Provide good levels of solar access and amenity to the public domain	Compliant	Refer to Solar Access Diagrams in Urban Design Report prepared by HASSELL
3C.04.	Objective	The design of the public domain is consistent with Crime Prevention Through Environmental Design principles	Compliant	Refer to Access & Circulation diagram - page 14 and Lighting Strategy diagram - page 20
3C.05.	Objective	Balance all forms of movement through creating a public domain which facilitates transport interchange	Compliant	Refer to Access & Circulation diagram - page 14
3C.DC1.	Criteria	Provide 2,200m <sup>2</sup> of publicly accessible open space within the precinct comprising the Cope Street Plaza and the Raglan Street Plaza. Space beneath cantilevered buildings can be included in the calculation of publicly accessible open space	Compliant	The proposals provide 2690m <sup>2</sup> of publicly accessible space. Refer to Spatial Compliance diagram - page 16
3C.DC3.	Criteria	Design of the Cope Street Plaza space underneath any building overhang is to incorporate wind mitigation	Compliant	Refer to Wind Studies by RWDI
3C.DC5.	Criteria	The public domain and landscaping design should meet the requirements of City of Sydney Urban Forest Strategy 2013 (adopted February 2013)	Compliant	Refer to Planting Palette - page 27
3C.DC7.	Criteria	Publicly accessible areas are to be designed to allow access as required by DDA requirements with consideration of use for people of all abilities	Compliant	Refer to landscape plans and DDA report by Morris Goding
3C.DC10.	Criteria	Public domain lighting in areas under Council's control shall be in accordance with City of Sydney's Sydney Lights Code (March 2015)	Compliant	Refer to Lighting diagram - page 20
3C.DC11.	Criteria	Lighting provided to the plazas and publicly accessible spaces within the development should comply with AS4282-1997.	Compliant	Refer to Lighting diagram - page 20
3C.DG.01.	Guidance	The Cope Street plaza is to include: - An open, paved area that supports a range of informal passive recreation activities	Compliant	Refer to SSDA10437 Southern Precinct Landscape Report for Cope Street Plaza design
3C.DG.02.	Guidance	The Raglan Street plaza is to include: - A vibrant pedestrian focused public space that engages with the existing local character and fine grain of the retail strip opposite	Compliant	Refer to SSDA10440 Northern Precinct for Raglan Street Plaza design
PART 3D - STREETS, LANES AND FOOTPATHS				
3D.01.	Guidance	Provide high quality materials and finishes in the public domain that respond to the character of the local area	Compliant	Refer to Public Domain Material palette - page 25
3D.02.	Guidance	Expand the public domain by considering the boundary interface with the Waterloo Congregational Church	Compliant	Refer to SSDA10437 Southern Precinct Landscape Design Report
3D.03.	Guidance	Create visual interest and reflect the character of the area through the selected materials for the public domain	Compliant	Refer to Public Domain Material palette - page 25
3D.DC1.	Criteria	Provide a through-site pedestrian link from Cope Street to Botany Road that provides a clear, safe, direct and convenient connection from the metro station to the bus interchange	Compliant	Refer to SSDA10437 Southern Precinct Landscape Design Report
3D.DC2.	Criteria	The through-site link should Have a minimum width of 6m and have a clear height of at least 6m	Compliant	Refer to Pedestrian Accessways diagram - page 13
3D.DC2.	Criteria	The through-site link should align with breaks between buildings so that views are extended and there are is less sense of enclosure	Compliant	Refer to Pedestrian Accessways diagram - page 13
3D.DC2.	Criteria	The through-site link should be clearly distinguished from vehicle access ways	Compliant	Refer to Pedestrian Accessways diagram - page 13
3D.DC2.	Criteria	The through-site link should Include materials and finishes such as paving materials, tree planting and furniture generally consistent with adjoining streets and public spaces and be graffiti and vandalism resistant	Compliant	Refer to Public Domain Material palette - page 25
3D.DC10.	Criteria	Respond to and complement the City of Sydney's public domain requirements for works on Council land	Compliant	Refer to Public Domain Material palette - page 25
3D.DC12.	Criteria	Street furniture is to be consistent with the Sydney Streets Design Code	Compliant	Refer to Public Domain Material palette - page 25
3D.DC14.	Criteria	Where feasible, incorporate water sensitive urban design techniques such as landscaped swales to improve the quality of groundwater and water entering the waterways and tree bays	Compliant	OSD Tank and water filtration proposed
3D.DG.01	Guidance	The through-site link should be direct and accessible to all, have a clear line of sight between public places and be open to the sky as much as is practicable	Compliant	Refer to Pedestrian Accessways diagram - page 13
3D.DG.01	Guidance	The through-site link should assist in guiding people along the link while enabling long sightlines	Compliant	Refer to Pedestrian Accessways diagram - page 13
3D.DG.02	Guidance	Different paving materials or patterns can be used to denote significant spaces of the public domain such as the publicly accessible plazas	Compliant	Refer to Public Domain Material palette - page 25

## Section 5 / Design Amenity Guidelines

3D.DG.03	Guidance	Street furniture should be co-located with trees where possible to avoid clutter and create focus points for community activity	Compliant	Refer to General Arrangement - page 22
3D.DG.04	Guidance	Consultation should be undertaken with the Waterloo Congregational Church to investigate opportunities to integrate the curtilage of the church with the public domain and landscape design.	Compliant	Consultation has commenced and is ongoing
<b>PART 3E - TREE CANOPY COVER</b>				
3E.O1.	Objective	Mitigate the impacts of urban heat island effect through the provision of tree planting and soft surface areas.	Compliant	Refer to Tree Canopy diagram - page 17
3E.O2.	Objective	Enhance the biodiversity of the site through providing a range of native species and opportunities for urban habitat.	Compliant	Refer to Planting Palette & Schedule - page 27
3E.DC1.	Criteria	New street tree planting must be consistent with the City of Sydney's Street Tree Master Plan 2011 (updated 2015), Park Tree Management Plans and the Landscape Code	Compliant	Refer to Planting Palette & Schedule - page 27
3E.DC2.	Criteria	The development must achieve the following minimum tree canopy cover targets <b>23% overall canopy cover</b> (i.e. the combined canopy area of all trees contained within the site and adjacent streets measured to the centre line of the roads)	Compliant	The proposals achieve a tree canopy cover of 25.7% inside the WMQ boundary. Refer to Tree Canopy diagram - page 17
3E.DC2.	Criteria	The development must achieve the following minimum tree canopy cover targets <b>50% street canopy cover</b> (i.e. the combined area of all tree canopy contained within the road reserve including footpaths and pedestrian areas and measured from the property boundary to the centreline of the adjoining roads)	Compliant	The proposals achieve a street tree canopy cover of 55% Refer to Tree Canopy diagram - page 17
3E.DC3.	Criteria	A secondary alignment of trees are to be provided set further back from Botany Road in front of the central podium near the bus stop	Compliant	Refer to Tree Canopy diagram - page 17
3E.DC4.	Criteria	New habitat features including trees, shrub and ground cover vegetation, waterbodies, rockeries and green roofs and walls are to be included, wherever possible	Compliant	Refer to Planting Palette & Schedule - page 27
3E.DC5.	Criteria	Landscaping is to comprise a mix of locally indigenous tree, shrub and groundcover species as outlined in City's Landscape Code. Where this is not possible, it is preferred that plants native to Australia are used	Compliant	Refer to Planting Palette & Schedule - page 27
3E.DC6.	Criteria	Shrubs are densely planted and trees are to be well spaced, as outlined in the City's Landscape Code	Compliant	Refer to GF Plans & Planting Palette - page 27
3E.DC7.	Criteria	Awnings and canopies are to be located and designed to maximise tree canopy	Compliant	Refer to GF Plans
3E.DC8.	Criteria	Tree planting details are to specify horizontal clearance to awnings and buildings and tree spacing	Compliant	Refer to sections
3E.DC9.	Criteria	Centreline of new trees along Botany Road should be a minimum of 1m back from the front of the kerb and up to 1.5m from the front of the kerb subject to services investigations	Compliant	Refer to Tree Canopy diagram - page 17
3E.DG1.	Guidance	Consult with City of Sydney and obtain their agreement for any tree planting within Council owned land.	Compliant	Consultation has commenced and is ongoing
<b>PART 3F - TREE PLANTING SPECIFICATIONS</b>				
3F.O1.	Objective	To create a safe welcoming and healthy place to live, high quality public spaces, and a sustainable and adaptable urban environment	Compliant	Refer to Planting Palette & Schedule - page 27
3F.O2.	Objective	Provide a resilient, healthy and diverse urban forest	Compliant	Refer to Planting Palette & Schedule - page 27
3F.O3.	Objective	Provide an integrated long-term strategy that promotes trees as critical infrastructure and assets	Compliant	Refer to Tree Canopy diagram - page 17
3F.O4.	Objective	Retain and protect existing trees and canopy cover.	Non-compliant	Existing trees removed or increased canopy cover to be achieved
3F.DC1.	Criteria	Any existing trees proposed to be retained are to be assessed and then protected as per the requirements outlined in the Australian Standard 4970 – Protection of Trees on Development Sites	Compliant	No trees retained
3F.DC2.	Criteria	Overhead power lines and communication cables are to be under-grounded within all streets adjacent to the Metro Quarter to remove the current conflict between overhead cabling and the existing and proposed trees	Compliant	
3F.DC3.	Criteria	If existing trees occur within the planned under grounding routes then the routes shall be modified to avoid incursions into the tree(s) calculated Tree Protection Zones, as defined under Australian Standard 4970 – Protection of Trees on Development Sites. Where this cannot be reasonably accommodated, alternative methods of construction must be used such as under-boring, directional drilling or non-destructive trenching to install the cabling without impact to the trees' health or stability	Compliant	All existing trees to be removed - new trees to be coordinated with new electrical cables
3F.DC4.	Criteria	All new trees shall be installed in accordance with new tree planting requirements contained in Appendix A	Compliant	Details to be provided in future Public Domain Plan submission
3F.DC5.	Criteria	Where trees are planted within a potentially constrained soil environment (on-structure), appropriate soil volumes are to be provided to ensure maximisation of tree canopy spread and height	Compliant	Refer Deep Soil Diagram - page 15
3F.DC6.	Criteria	Consult with the City of Sydney in relation to tree planting in the public domain, comprising the public footpaths around the Metro Quarter	Compliant	Consultation has commenced and is ongoing
3F.DC7.	Criteria	All new street tree planting shall be a minimum of 200L container sizes with this increased to 400L for the key feature trees being preferred. Sizes of >800L should be considered where suitable and quality advanced stock is available	Compliant	Refer to Planting Palette & Schedule - page 27



## Section 5 / Design Amenity Guidelines

3F.DC7.	Criteria	All trees shall be grown to the minimum standards of AS2303 – 2015 Tree Stock For Landscape Use with certification provided by the supplying nurseries. Trees shall be true to type and the species and cultivars specified	Compliant	Details to be provided in future Public Domain Plan submission
3F.DC7.	Criteria	Tree planting ideally should be undertaken in either autumn or winter. This will greatly increase the success of the planting and reduce the establishment maintenance burdens	Compliant	Details to be provided in future Public Domain Plan submission
3F.DC7.	Criteria	Surrounding pavements and tree grates shall allow for proper expansion of the trees base over time	Compliant	Details to be provided in future Public Domain Plan submission
3F.DC7.	Criteria	Trees shall be planted a minimum of 675mm from the back of adjoining kerbs. Distances greater than are 1000mm preferred	Compliant	Details to be provided in future Public Domain Plan submission
3F.DC7.	Criteria	Trees shall be transported, lifted and planted in a manner that limits any possibility of physical damage	Compliant	Details to be provided in future Public Domain Plan submission
3F.DC7.	Criteria	Trees shall be regularly maintained for a minimum of 12 months from the date of planting to ensure adequate establishment maintenance. This is to include pest and disease monitoring and control, watering and timely replacement if required.	Compliant	Details to be provided in future Public Domain Plan submission
<b>PART 3G - WIND</b>				
3G.O1.	Objective	Mitigate potential wind impacts and ensure adequate levels of comfort are achieved in the public domain for intended activities	Compliant	Refer to Wind Studies by RWDI
<b>PART 3I - STREET ACTIVATION</b>				
3I.DC5.	Criteria	Provide wider footpaths along Botany Road adjacent to the bus stops that accommodate pedestrians and encourage retail activation	Compliant	Refer to GF Plans and Pedestrian Accessways diagram page 14
<b>PART 3N - PEDESTRIAN AND CYCLE NETWORK</b>				
3N.O1.	Objective	Prioritise walking and cycling trips in and around the Metro Quarter over vehicles	Compliant	Refer to Access & Circulation diagram - page 14
3N.O2.	Objective	Manage potential conflict between cyclists and pedestrians through the design of the public domain and locations of bike parking	Compliant	Refer to Access & Circulation diagram - page 14
3N.O3.	Objective	Provide a pedestrian network that aligns with key pedestrian desire lines and is integrated with the active frontages	Compliant	Refer to Access & Circulation diagram - page 14
3N.DC1.	Criteria	Provide generous footpath widths that can accommodate the forecast pedestrian flows from the metro station	Compliant	Refer to GF Plans and Pedestrian Accessways diagram page 13

**ASPECT Studios**