



CITY of PERTH

Lord Mayor and Councillors,

NOTICE IS HEREBY GIVEN that the next Ordinary Meeting of the Council of the City of Perth will be held in the Council Chamber, Level 9, Council House, 27 St Georges Terrace, Perth on **Tuesday, 20 September 2016 at 6.00pm.**

Yours faithfully

MARTIN MILEHAM
CHIEF EXECUTIVE OFFICER

15 September 2016

VISION STATEMENT

Perth is renowned as an accessible city. It is alive with urban green networks that are safe and vibrant. As a global city, there is a diverse culture that attracts visitors. It provides city living at its best. Local and global businesses thrive here. Perth honours its past, while creating a sustainable future.



BUSINESS

1. Prayer
2. Declaration of Opening
3. Apologies
4. Question Time for the Public.
5. Members on Leave of Absence and Applications for Leave of Absence
6. Confirmation of Minutes:

Ordinary Council - 30 August 2016
Special Council - 1 September 2016
7. Announcements by the Lord Mayor
8. Disclosure of Members' Interests
9. Questions by Members of which due notice has been given
10. Correspondence
11. Petitions
12. Matters for which the Meeting may be Closed

In accordance with Section 5.23(2) of the *Local Government Act 1995*, should an Elected Member wish to discuss the content of the confidential schedule/s listed below, it is recommended that Council resolve to close the meeting to the public prior to discussion of the following:

Schedule	Item No. and Title	Reason
Confidential Schedules 3 & 4	Item 5 – Event Sponsorship (Partnership) – IFLScience Festival	5.23(2)(e)(iii)
Confidential Schedules 10 & 11	Item 8 – Tender No 017-16/17 Installation, Maintenance & Dismantle of Christmas Decorations (2016-2018)	5.23(2)(e)(ii)

13. Reports (refer to Index of Reports on the following pages)
14. Motions of which previous notice has been given

In accordance with Clause 4.12 of the City of Perth Standing Orders Local Law 2009 the following notice of motion has been received for consideration by Council:

The following notice of motion was received from Cr Green on 14th September 2016

(Cont'd)

The Lord Mayor and the CEO are recognised as the spokespeople for the City of Perth. However, as per other capital cities and local governments, Elected Members are able to speak to the media to articulate their personal views on matters concerning their local government area.

I move a motion that Council Policy 1.9 be amended as detailed in Schedule 18 – Revised Policy 1.9 - Media Statements and Press Releases.

15. Urgent Business

16. Closure

INFORMATION FOR THE PUBLIC ATTENDING COUNCIL MEETINGS

Welcome to this evening's Council meeting. This information is provided on matters which may affect members of the public. If you have any queries on procedural matters please contact a member of the City's staff in attendance tonight.

Question Time for the Public

- An opportunity is available at Council meetings for members of the public to ask a question about any issue relating to the City. This time is available only for asking questions and not for making statements. Complex questions requiring research should be submitted as early as possible in order to allow the City sufficient time to prepare a response.
- The Presiding Person may nominate a Member or officer to answer the question and may also determine that any complex question requiring research be answered in writing. No debate or discussion is allowed to take place on any question or answer.
- To ask a question please write it on the white Question Sheet provided at the entrance to the Council Chamber and hand it to a staff member before the meeting begins. Alternatively questions can be forwarded to the City of Perth prior to 3.00pm on the day of the meeting, by:-
 - Letter: Addressed to GPO Box C120, Perth, 6839;
 - Email: governance@cityofperth.wa.gov.au.
- Question Sheets are also available on the City's web site: www.perth.wa.gov.au.

Disclaimer

Members of the public should note that in any discussion regarding any planning or other application that any statement or intimation of approval made by any Member or officer of the City during the course of any meeting is not intended to be and is not to be taken as notice of approval from the City. No action should be taken on any item discussed at a Council meeting prior to written advice on the resolution of the Council being received.

Any plans or documents contained in this agenda may be subject to copyright law provisions (*Copyright Act 1968*, as amended) and the express permission of the copyright owner(s) should be sought prior to their reproduction.

EMERGENCY GUIDE

Council House, 27 St Georges Terrace, Perth



CITY of PERTH

The City of Perth values the health and safety of its employees, tenants, contractors and visitors. The guide is designed for all occupants to be aware of the emergency procedures in place to help make an evacuation of the building safe and easy.

BUILDING ALARMS

Alert Alarm and Evacuation Alarm.

ALERT ALARM

beep beep beep

All Wardens to respond.

Other staff and visitors should remain where they are.



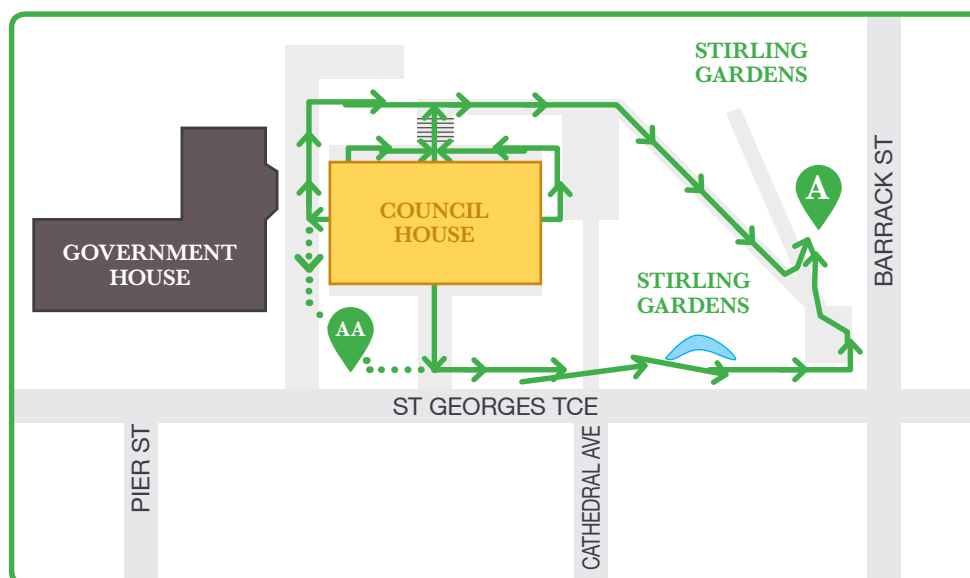
EVACUATION ALARM/PROCEDURES

whoop whoop whoop

On hearing the Evacuation Alarm or on being instructed to evacuate:

1. Move to the floor assembly area as directed by your Warden.
2. People with impaired mobility (those who cannot use the stairs unaided) should report to the Floor Warden who will arrange for their safe evacuation.
3. When instructed to evacuate leave by the emergency exits. **Do not use the lifts.**
4. Remain calm. Move quietly and calmly to the assembly area in **Stirling Gardens** as shown on the map below. Visitors must remain in the company of City of Perth staff members at all times.
5. After hours, evacuate by the nearest emergency exit. **Do not use the lifts.**

EVACUATION ASSEMBLY AREA



Assembly Area

Alternate Assembly Area

Council Chambers SEATING LAYOUT



Manager Governance
Mark Ridgwell



The Right Honourable
the Lord Mayor
Ms Lisa-M. Scaffidi



Chief
Executive Officer
Martin Mileham



Director Community and
Commercial Services
Rebecca Moore



Cr Judy McEvoy



**Cr Janet Davidson
OAM JP**



Personal Aide to
the Lord Mayor
Paul Anastas



Acting Director Planning
and Development
Erica Barrenger



Cr Reece Harley



Cr Jemma Green



Director Construction
and Maintenance
Paul Crosetta



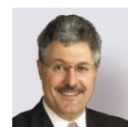
Manager
Development Approvals
Margaret Smith



Cr Keith Yong



Cr Lily Chen



Director
Corporate Services
Robert Mianich



Acting Director Economic
Development and Activation
Annaliese Battista



Deputy Lord Mayor
Cr James Limnios



Cr Jim Adamos



Governance Electoral
Officer - Minutes
Cathryn Clayton

Public Gallery

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PLANNING COMMITTEE REPORTS

ITEM NO: 1

145 – 151 (LOT 99) BARRACK STREET, PERTH – PROPOSED PARTIAL DEMOLITION OF EXISTING BUILDING AND CONSTRUCTION OF A NINE STOREY HOTEL ('SPECIAL RESIDENTIAL') DEVELOPMENT CONTAINING 77 HOTEL ROOMS, WITH BASEMENT AND GROUND FLOOR DINING USES

**PLANNING COMMITTEE
RECOMMENDATION:**

(APPROVAL)

That Council, in accordance with the provisions of the City Planning Scheme No. 2 and the Metropolitan Region Scheme, Council APPROVES BY AN ABSOLUTE MAJORITY the application for the proposed partial demolition of the existing building and construction of a nine storey hotel ('Special Residential') development containing 77 hotel rooms, with basement and ground floor dining uses, as indicated on the Metropolitan Region Scheme Form One dated 24 May 2016, and as shown on the revised plans received on 1 September 2016, subject to:

- 1. final details of the design and a sample board of the high quality and durable materials, colours and finishes for the proposed building, with particular attention to the ground floor facades, being submitted by the applicant and approved by the City prior to applying for a building permit;*
- 2. final details of the design and use of the roof terrace being submitted by the applicant and approved by the City of Perth prior to applying for a building permit;*
- 3. an archival record of the existing building being prepared and submitted to the City of Perth in A4 format including plans, elevations, sections, a written description and colour photographs of the exterior and interior of the existing building, including all architectural features, prior to applying for a demolition permit;*

(Cont'd)

4. ***the pavement lights to the basement level being restored and retained as identified on the original plans dated 14 July 2016 and thereafter being maintained by the property owner and at the owner's expense;***
5. ***the ground floor internal space being designed to incorporate the interpretation of the former internal layout / shop pattern in the finished floor treatment with details being submitted by the applicant and approved by the City of Perth prior to applying for a building permit;***
6. ***air conditioner condensers and any proposed external building plant, lift overruns, piping, ducting, water tanks, transformers, and fire booster cabinets shall be located so as to minimise any visual and noise impact on the occupants of adjacent properties and being screened from all sides and above, including any such plant or services located within the vehicle entrance of the development, with details of the location and screening of such plant and services being submitted by the applicant and approved by the City of Perth prior to applying for a building permit;***
7. ***a Waste Management Plan, identifying a permanent storage and wash down facility for bins for both recyclables and general waste and including a waste disposal/collection strategy demonstrating how these facilities will be serviced by either the City of Perth or by private contractors, being submitted by the applicant and approved by the City of Perth prior to applying for a building permit;***
8. ***the proposed floor levels of the pedestrian entrances to the building being designed to match the current levels of the immediately adjacent footpaths and laneway to the City of Perth's satisfaction;***
9. ***on-site stormwater disposal/management being to the City of Perth's specifications with details being submitted by the applicant and approved by the City of Perth prior to applying for a building permit;***
10. ***a minimum of 12 secure bicycle parking bays and associated end of trip facilities being provided for hotel staff within the development in accordance with the requirements of the City Planning Scheme No. 2 Policy 5.4 Bicycle Parking and End of Journey Facilities;***

(Cont'd)

11. ***a final Vehicular, Service and Delivery Access Plan, outlining the management strategies to deal with the dropping off and picking up of guests via taxi or other transport; strategies for advising guests upfront of limitations in private car parking in the locality; and including arrangements for on-site servicing of the building, being submitted by the hotel operator and approved by the City of Perth prior to occupation of the hotel with the plan being implemented by the proprietor / manager thereafter to the satisfaction of the City of Perth;***
12. ***in the event that the approved development has not been substantially commenced within six months of the partial demolition of the existing building on site, the site is to be made safe and secure to prevent unauthorised access to the site and to prevent further dilapidation of the building, at the owner's cost, with details of all safety and security measures being submitted by the applicant and approved by the City of Perth prior to installation, in order to preserve the safety and amenity of the area, with the site being maintained in a clean and tidy state to the City of Perth's satisfaction;***
13. ***any signage for the development being integrated with the design of the building and being compatible with the character and significance of the Barrack Street Heritage Area with all signs being subject to a separate application for approval by the City;***
14. ***a construction management plan for the proposal being submitted for approval by the City of Perth prior to applying for a building permit, detailing how it is proposed to manage:***
 - 14.1 ***delivery of materials and equipment to the site;***
 - 14.2 ***storage of materials and equipment on the site;***
 - 14.3 ***removal of any asbestos in accordance with the City of Perth's Health regulations;***
 - 14.4 ***parking arrangements for the contractors and subcontractors;***
 - 14.5 ***any dewatering of the site;***

(Cont'd)

- 14.6 maintaining access through Grand Lane throughout construction; and**
- 14.7 other matters likely to impact on the surrounding properties; and**
- 15. a staging and program of works plan, including immediate measures to secure the subject building and site prior to the commencement of demolition works, being submitted by the applicant and approved by the City of Perth prior to applying for a demolition permit.**

BACKGROUND:

SUBURB/LOCATION:	145 - 151 (Lot 399) Barrack Street, Perth
FILE REFERENCE:	2016/5179
REPORTING UNIT:	Development Approvals
RESPONSIBLE DIRECTORATE:	Planning and Development
DATE:	5 September 2016
MAP / SCHEDULE:	Schedule 1 – Map and coloured perspective for 145 – 151 Barrack Street, Perth Schedule 2 – Servicing Plans for the proposed development
LANDOWNER:	Mrs L Kakulas
APPLICANT:	Palassis Architects
ZONING:	(MRS Zone) Central City Area (City Planning Scheme Precinct) Citiplace (P5) (City Planning Scheme Use Area) City Centre
APPROXIMATE COST:	\$15 million

The Committee recommendation to the Council for this report was resolved by the Planning Committee at its meeting held on 13 September 2016.

The Committee recommendation to the Council is the same as that recommended by the Officers.

SITE HISTORY:

The 536m² site is located on the south western corner of Barrack and Wellington Streets, Perth with Grand Lane adjacent to the southern lot boundary. The site is occupied by the two storey “Stockade Building” that was constructed in 1910. The existing building is located within the Barrack Street Heritage Area under the City Planning Scheme No. 2 (CPS2) where it has been classified as a ‘heritage building’ in terms of its contribution to the cultural heritage significance of the area, however, it is not listed in the State Heritage Register or in the CPS2 Heritage List.

Council, at its meeting held on **19 November 2013**, approved the partial demolition of the existing building and the construction of a six storey office building on the site. This application did not proceed and has since lapsed.

The application was considered at the Planning Committee meeting held on 23 August 2016 where the item was deferred in order for Officers to conduct further discussions with the applicant regarding:

- “1. the servicing of the proposed development;*
- 2. increasing the setbacks of the proposed hotel tower to Barrack Street; and*
- 3. improving the integration of the design of the ground floor shopfronts and canopies with the heritage elements of the proposed development.”*

DETAILS:

Approval is sought to demolish the existing masonry and asbestos clad tower fronting Wellington Street whilst retaining the two storey building fronting Barrack and Wellington Streets and constructing new hotel building with basement and ground floor dining uses.

The applicant has submitted modified plans on 1 September 2016 in response to the concerns raised by the Planning Committee at its meeting held on 23 August 2016. The amendments to the plans include:

- Increasing the setback from Barrack Street above the street building height of 14 metres from a 1.3 metre setback to a 5.1 metre setback;
- reducing the special residential floor plate of levels three to seven from 12 hotel rooms to ten hotel rooms;
- the introduction of an outdoor terrace on level three for hotel patrons with raised planter boxes and seating;
- adding one additional floor level to compensate for the loss of rooms on the lower levels, thus increasing the hotel building from eight storeys to nine storeys while reducing the total hotel rooms to 77 rooms, in lieu of the original application for 79 hotel rooms;
- retaining the wall tiling to the shop fronts whilst sills have been added to the openings with some of the wall render from the upper floor brought down to below the awning canopy to connect the two portions of the façade. Further details showing signage, awnings and the hotel canopy have been included in the ground floor design; and
- the bin store area has been enlarged to accommodate 4, 1,100 litre bins which is double the capacity of the original design.

The applicant has also submitted a servicing plan showing the location of public transport, carparks and servicing of the hotel from Grand Lane.

Details of the proposed revised development are as follows:

Basement Floor Level	This existing basement will be extended and modified to include a 226m ² tenancy with access via a lift and stair case. The new transformer for the site will be located in the modified basement with an escape stair access to the laneway and the lift pit. The remaining basement floor area will be used for back of house and bathroom facilities.
Ground Floor Level	This level includes a 153m ² café tenancy on the Wellington and Barrack Street corner of the site, a 95m ² café tenancy fronting Wellington Street with an alfresco dining area and rear access from the adjoining Grand Lane, hotel lobby and reception, office and luggage room, back of house facilities, end of trip facilities for hotel staff, bathroom facilities, bin store, 12 bicycle parking bays and a loading zone with access off Grand Lane.
First Floor Level	This level includes a 105m ² hotel lounge area, the hotel gymnasium, laundry area, lift and stair access and seven single bedroom hotel rooms ranging in size from 14m ² to 27m ² .
Levels Two	This level contains 10 one bedroom hotel rooms ranging in size from 17m ² to 18m ² , lift lobby, stair access and a store room. A large outdoor terrace area has been added to the Barrack Street frontage.
Levels Three to Seven	These levels contains 10 one bedroom hotel rooms ranging in size from 17m ² to 18m ² , lift lobby, stair access and a store room.
Level Eight	This level contains a service roof terrace, service platform and store, lift and stair access, an open pergola structure with awning and solar panels.

The hotel tower is to be constructed of a concrete column and slab structure clad with decorative precast concrete panels and aluminium framed windows. The existing level one façade will be retained and conserved. All existing signage will be removed and the non-original paint work stripped to expose the original façade. A new awning will be constructed to replace the existing damaged awning.

LEGISLATION / POLICY:

Legislation *Planning and Development Act 2005*
City Planning Scheme No 2

Policy

Policy No and Name: 4.1 – City Development Design Guidelines
 4.4 – Building Heights and Setbacks
 4.5 – Plot Ratio
 4.10 – Heritage
 5.3 – Bicycle Parking and End of Journey Facilities

COMPLIANCE WITH PLANNING SCHEME:

Land Use

The subject property is located in the City Centre use area of the Citiplace Precinct of the City Planning Scheme No. 2 (CPS2). The precinct aims to provide a wide range of general and specialised retail uses as well as a mix of other uses such as entertainment, commercial, medical, service industry, residential and minor office. Uses at street or pedestrian level will mainly be shops, restaurants, taverns and other uses, that have attractive shop fronts and provide activity, interest and direct customer service. Other uses will be established above or below street level and major pedestrian levels. 'Special Residential' and 'Dining' are both preferred ('P') uses within the City Centre use area of the Citiplace Precinct. It is considered that the proposed hotel and dining uses comply with the Statement of Intent for the Precinct.

Development Requirements

The Statement of Intent for the Citiplace Precinct recognises that new development will generally be low rise, reflecting the traditional height and scale of adjacent buildings and allowing sun penetration into the streets in winter. Building facades will incorporate interesting elements thereby contributing to a lively, colourful and stimulating environment.

The proposal's compliance with the CPS2 development requirements is summarised below:

Development Standard	Proposed	Required / Permitted
Maximum Plot Ratio	4.02:1 (2,151m ²)	5 :1 (2,675m ²)
Building Height: - Barrack Street - Wellington Street	10.2 metres at street front (heritage building) with level three setback 5.14 metres 10.2 metres at street front (heritage building) with level seven	14 metres at street frontage with 5 metre setback above 14 metres 21 metres at street frontage extending within a 45 degree height plane

Development Standard	Proposed	Required / Permitted
	encroaching into 45 degree building height plane	
Setbacks:		
- Front (Barrack Street)	Nil up to 10.2 metres and 5.1 metre setback above	Nil permitted up to 14 metres with a 5 metre setback above 14 metres
Ground Floor – 2 nd floor	Nil	Nil permitted up to 14 metres with a 5 metre setback above 14 metres
3 rd floor – 8 th floor	5.1 metres	5 metres
- Side (Wellington Street)	Nil	Nil Permitted up to 21 metres within a 45 degree height plane
Ground Floor – 6th floor	Nil	Nil Permitted up to 21 metres within a 45 degree height plane
7 th floor and above	1.9 metres encroaches into 45 degree height plane	Nil Permitted up to 21 metres within a 45 degree height plane
- Side (West)	1.9 metres	Nil permitted
- Rear (Grand Lane)	Nil	Nil permitted
Car Parking:		
- Commercial tenant bays	1 loading bay	5 bays (maximum)
Bicycle Parking:		
Special Residential	12 bays	26 bays (minimum)

Variations to the building height, setbacks and bicycle parking provisions applicable to the development can be granted by an absolute majority decision of the Council, in accordance with Clause 47 of the CPS2 and provided Council is satisfied that:

‘47(3)(c)(i) if approval were to be granted, the development would be consistent with:

(A) the orderly and proper planning of the locality;

- (B) *the conservation of the amenities of the locality; and*
- (C) *the statement of intent set out in the relevant precinct plan; and*
- (ii) *the non-compliance would not have any undue adverse effect on:*
 - (A) *the occupiers or users of the development;*
 - (B) *the property in, or the inhabitants of, the locality; or*
 - (C) *the likely future development of the locality’.*

COMMENTS:

Consultation

The proposed development includes variations to the maximum building height, setback and bicycle parking requirements of the CPS2. The original plans were advertised to the owners of potentially affected surrounding properties for a period of 14 days, closing on 3 August 2016. No submissions were received. As the impacts of the revised plans are similar to the original proposal, and noting there were no submissions, the revised plans were not readvertised.

Design Advisory Committee

At its meeting held on 23 June 2016, the Design Advisory Committee (DAC) having considered the original design for the proposed development advised that it supports the development however notes and advises that:

- “1. the proposed height / setback encroachments into the building height plane on Barrack Street is not supported considering the impact on the heritage streetscape and is rather supportive of additional height on the Wellington Street frontage;*
- 2. the proposed design of the ground floor level fronting Grand Lane including the proposed location of the transformer, loading bay and proposed access to the café is not supported. It is considered that café tenancy should be widened and the design achieving maximum transparency, with further consideration being given to materiality to ensure improved integration with the laneway and achieving improved activation and security. The opportunity should be considered to provide stairs to the basement from the southern side of the building as well;*
- 3. the provision of only one lift servicing 79 hotel rooms is questioned in terms of the demands of guests (including disabled), servicing of the hotel and maintenance of the lift;*
- 4. the extent of services including emergency facilities on Wellington Street should be reduced;*
- 5. the rooftop design is considered to be unresolved including services which is to be fully enclosed noting that the use of the rooftop may be a lost opportunity;*

6. *the opening in the awning on the Wellington Street is questioned as weather protection is required;*
7. *the absence of any bicycle parking is questioned noting that some provision should be made for staff and guests; and*
8. *further details of the quality materials to the façade is required as this building has an important location at the Barrack Street / Wellington Street intersection."*

In response to the DAC's recommendation and the comments made by the Planning Committee, the applicant has modified the design and provided the following information in support of the revised application.

In response to item one of the DAC's recommendation and the reasons for the Planning Committee's deferral of the application, the applicant has modified the design of the hotel tower to provide the required 5 metre setback from Barrack Street, which is considered to be a more sympathetic and appropriate design response to the Barrack Street streetscape. The tower element of the development has been setback from the boundary on three sides to give the original Stockade building visual prominence and allowing the tower to recede into the background. The selection of colours, materials and modulated façade will further reduce the visual impact of the new tower on the existing building.

In response to item two, the alfresco dining area and stairs to the ground floor café from Grand Lane has been increased to the full width of the café tenancy by relocating the transformer from the laneway to the basement. The proposed tree located to the rear of the café tenancy adjacent to Grand Lane has been removed as it has been acknowledged that tree is unlikely to grow well on the southern side of the building. The entrance stairs to the café have also been relocated to the west of the alfresco seating area to increase interaction between the café and laneway. Twelve bicycle racks have been incorporated into the rear of the development to provide further activation to Grand Lane. The bin store, loading dock and escape access has also been rearranged with the bins now being accessed from the rear of the loading area. A large window has been added to the southern wall of the corner tenancy number three, opening up to Grand Lane. The redesign of the ground floor will provide improved interaction as well as passive surveillance to Grand Lane. The modifications to the ground floor fronting Grand Lane are considered to satisfactorily address item two of the DAC's comments.

The applicant has advised that the provision of one lift for the hotel development has been calculated based on the number of hotel patrons at an occupancy rate of 80%. A higher speed lift has been selected to meet the demands of the hotel with all maintenance of the lift being undertaken out of hours which is considered an acceptable approach and outcome.

In response to item four, the extent of services and emergency facilities on Wellington Street has been reduced as shown on the revised ground floor plan improving activation to the street. The revised design is considered to address this item raised by the DAC.

The rooftop of the building has been redesigned to accommodate a maximum of 50 people for function purposes. A service toilet is proposed will compliant with disabled access provisions. The pergola structure has been reduced in size and a retractable awning included complimenting the pergola structure. These modifications are supported and resolve the DAC item five matters raised.

In response to item six of the DAC's comments, the awning on Wellington Street will not be open but will feature a transparent material which will allow light to penetrate tenancy one whilst still providing weather protection. This information is considered to address this comment.

Twelve bicycle parking bays have been incorporated into the ground floor of the building fronting Grand Lane. The bicycle bays have been provided for guests of the hotel, hotel staff, visitors and tenants of the building. The bicycle parking bays are undercover will be well lit at night and are well located for easy access. The applicant has advised that the hotel expects to mainly attract guests for short term business purposes. Given the site is close to the main retail malls and is well serviced by public transport, a reduced number of bicycle parking bays is considered acceptable.

The applicant has advised that the building tower façade will be constructed of white / grey precast "off form" decorative concrete panels. The balustrades to the balconies will consist of a brass mesh. The reveals of the balconies will be clad with a decorative tile finish to complement the balustrades. The existing building will be stripped back to bare render and the red brick restored and tuck pointed. At ground level, the wall tiling to the shop fronts will be retained whilst sills have been added to the openings with some of the wall render from the upper floor brought down to below the awning canopy to connect the two portions of the façade. Further details showing signage, awnings and the hotel canopy have been included in the ground floor design.

Building Height and Setbacks

Under the Building Heights and Setbacks Policy 4.4 of the CPS2, the site is identified as having two different maximum street building heights for each of the street frontages. On Barrack Street, a maximum street building height of 14 metres with nil side setbacks is permitted, provided there are no major openings, with any additional building height being setback 5 metres from Barrack Street up to a height of 65 metres. On Wellington Street, a maximum street building height of 21 metres is permitted with any additional height being contained within a 45° height plane measured from Wellington Street to the south (Murray Street Mall). The existing heritage building has a street building height of 10.2 metres with the proposed new development complying with the Barrack Street maximum building height of 14 metres with the required 5 metre setback above 14 metres however encroaching into the Wellington Street angled height plan above level seven of the new development.

Clause 7.1 under the Building Height Standards of the Policy states that the Council may consider variations to maximum street building standards where different maximum street building heights are specified for each of the frontages of a corner lot. In determining an appropriate maximum street building height, the Council shall

have particular regard to the functionality of the building, impact on the streetscape and sunlight penetration and wind principles of this Policy.

The proposed new tower element has been setback 1.3 metres from the heritage building on the Wellington Street boundary, with the setback to Barrack Street having been increased from 1.3 metres to 5.1 metres above the 14 metre maximum street building height in response to the Planning Committee's advice at its 23 August 2016 meeting, with a maximum building height of 34 metres. The applicant has advised that by setting the new development back from the original building and not building to the maximum podium envelope the original building is given greater visual prominence, allowing the new tower to recede into the background. The building encroaches into the 45 degree angled height plane above the seventh floor however, the additional height on this portion of the building will not impact on solar access to Wellington or Barrack Streets or adjoining properties. The subject property is located adjacent to Grand Lane, therefore giving an additional 6 metre separation from the adjoining heritage building to the south and reducing any impact on the streetscape.

Given the proposed variation to the Wellington Street building height will not impact on solar access to the street or adjoining properties, and will not negatively impact the streetscape, it is considered that the variation to the Policy provisions can be supported in accordance with Clause 47 of the CPS2.

Building Design, Materials and Finishes

The proposed design of the development was generally supported by the DAC as outlined above, with the new building and structures of the development providing appropriate levels of compatibility and contrast to the retained heritage building within the site. However the DAC did raise some concerns with respect to certain elements of the design and the applicant has modified the development's design to address these matters.

In particular, the ground floor has been redesigned to improve interaction with Grand Lane and provide an active street frontage to the laneway. The applicant has also redesigned the roof terrace to provide an additional outdoor function space, reducing the pergola structure and including a retractable awning.

The applicant is considered to have addressed the DAC's concerns however it is noted that these will be further refined at the detailed design stage. In view of DAC's comments, it is considered appropriate to ensure by way of condition, that the final details of the new development in particular, be submitted and approved prior to applying for a building permit.

Heritage

The subject property is not listed on the State Heritage Register or under the CPS2 Heritage List, however it is located within the Barrack Street Heritage Area and is identified as a Heritage Place within that Area, recognising its contribution to the cultural heritage significance of the Area.

The application is subject to the requirements of Policy 4.10 Heritage that aims to provide protection for places within the boundaries of Heritage Areas that have been identified as contributing to the significance of a Heritage Area; and to ensure that future development, including conservation or adaptation of existing buildings and construction of new buildings, respects and enhances the identified heritage values and character of places of heritage significance. It is recognised that adaptation of heritage buildings for new uses is an important way of ensuring their continued viability. Adaptation will often involve construction of additions to the building or place, as is being proposed. The Council may support such additions or new development where it does not compromise the heritage significance of adjacent buildings or the heritage values of a Heritage Area; and where they are consistent with the orderly and proper planning of the area.

The Council, at its meeting held on **13 November 2013**, approved the demolition of the tower element of the building and the retention of the Barrack and Wellington Street facades and first bay of the building. The current proposal retains more of the existing building along the Wellington Street frontage. It is considered that the extent of demolition of the existing building and the new hotel building satisfy the Heritage Policy. In regard to the hotel tower, the new building is of a contemporary design and the proportions, setback and height of the new building is considered to be appropriate in relation to the heritage building on the site and to the heritage buildings in the locality.

In accordance with the Heritage Policy, any works to a heritage building may be approved subject to the submission of an acceptable archive record of the place or works. Accordingly, the proposal is generally supported subject to an archival record of the existing place being required as a condition of any approval. It is also considered that the new shopfronts should enhance and improve the visual relationship between the ground floor level and the upper floors through means such as form, colour and or materials. The applicant has amended the ground floor shopfronts, introducing window sills to the openings and continuing the render of the upper floor to below the ground floor canopy to improve connection between the two floors. A sample board of proposed materials and colours for the existing and proposed development can be requested as a condition of any approval.

It is considered that internally the ground floor space should interpret the former internal layout / shop pattern and that this can be achieved through the floor treatment. It was also recommended that, in accordance with the Heritage Policy, the pavement basement lights should be restored and retained as identified in the application. Both of these recommendations can be required as a condition of any approval.

Bicycle Parking

A minimum of 26 bicycle parking bays is required under the City's Bicycle Parking and End of Journey Facilities Policy (5.3). Twelve bicycle racks are proposed to be located on the ground level to the rear of the hotel development off Grand Lane. The minimum bicycle parking requirement of 26 bays is considered onerous given the hotel guests and patrons are unlikely to be arriving by bicycle and these facilities will be mainly used by staff of the hotel. Given the anticipated low demand and the

availability of alternative transport modes in this location, it is considered that the variation to the Policy provisions can be supported.

Vehicle Servicing

Due to the corner location of the site and the absence of any on-site or immediately adjacent on-street parking or loading facilities, the Planning Committee, at its meeting held on **23 August 2016** deferred the application in order for the City's Officers to conduct further discussions with the applicant regarding, inter alia:

"1. the servicing of the proposed development;"

In response to these concerns, the applicant has submitted a servicing plan showing the location of public transport, car parks and servicing of the hotel from Grand Lane. The plan demonstrates the general servicing arrangements which are proposed to be undertaken consistent with the current arrangements for servicing other properties along Grand Lane/Barrack Street. It is however recommended that a final servicing plan be submitted by the hotel operator and approved by the City prior to occupation of the development.

Conclusion

The proposed redevelopment will facilitate the refurbishment of the existing building in the City and provide additional hotel accommodation close the city malls and well serviced by public transport. In response to the concerns of the Design Advisory Committee and the advice of the Planning Committee at its 23 August 2016 meeting, the applicant has provided revised plans and elevations to improve the overall presentation and quality of the design.

The development generally complies with the requirements of the CPS2, with the proposed building height and setbacks and bicycle parking variations being supported in accordance with Clause 47 of the CPS2. Other aspects of the development including materials/finishes can be conditioned to address the Council's requirements.

Given the above, it is recommended that the proposed development be supported subject to relevant conditions.

ITEM NO: 2

PERTH LOCAL DEVELOPMENT ASSESSMENT PANEL – NOMINATION OF AN ALTERNATE MEMBER

PLANNING COMMITTEE RECOMMENDATION:

(APPROVAL)

That Council nominates _____ for consideration by the Minister for Planning for appointment as an alternate local government member to the Perth Local Development Assessment Panel for a term expiring 26 April 2017.

BACKGROUND:

FILE REFERENCE: P1027201
REPORTING UNIT: Governance
RESPONSIBLE DIRECTORATE: Corporate Services
DATE: 31 August 2016
MAP / SCHEDULE: N/A

The Committee recommendation to the Council for this report was resolved by the Planning Committee at its meeting held on 13 September 2016.

The Committee recommendation to the Council is the same as that recommended by the Officers.

At its special meeting held on **22 October 2015**, Cr McEvoy was nominated as the second deputy representative (alternate member) to the Perth Local Development Assessment Panel (LDAP) for a term expiring on 26 April 2017.

Cr McEvoy has now formally resigned from the LDAP and therefore, her position as alternate member is to be replaced with another Elected Member. Accordingly Council is required to provide a replacement nomination to the Minister for Planning, Culture and the Arts for consideration in accordance with the Regulation 23 of the *Planning and Development (Development Assessment Panels) Regulations 2011*.

LEGISLATION / STRATEGIC PLAN / POLICY:

Legislation *Planning and Development Act 2005*
 Planning and Development (Development Assessment Panels) Regulations 2011

**Integrated Planning
and Reporting
Framework
Implications**

Strategic Community Plan

Council Four Year Priorities: Capable and Responsive Organisation

A capable, flexible and sustainable organisation with a strong and effective governance system to provide leadership as a capital city and deliver efficient and effective community centred services.

DETAILS:

Perth LDAP Local Government Member	Membership Details
<ul style="list-style-type: none">• Lord Mayor Scaffidi – Member	<ul style="list-style-type: none">• Term expires 26 April 2017 <p>(Lord Mayor Scaffidi was nominated by Council at its meeting held on 3 February 2015. Ministerial confirmation of the appointment is dated 27 July 2015, TRIM 130626/15).</p>
<ul style="list-style-type: none">• Cr Adamos – Member	<ul style="list-style-type: none">• Term expires 26 April 2017 <p>(Cr Adamos was nominated as an alternate member by Council at its meeting held on 3 February 2015. Ministerial confirmation of the appointment is dated 27 July 2015, TRIM 135551/15.</p> <p>Cr Adamos was then nominated as a member by Council at its special meeting held on 22 October 2015. Ministerial confirmation of the appointment is dated 7 January 2016, TRIM 104158/16).</p>
<ul style="list-style-type: none">• Deputy Lord Mayor Cr Limnios – Alternate Member	<ul style="list-style-type: none">• Term expires 26 April 2017 <p>(Cr Limnios was nominated as an alternate member by Council at its meeting held on 3 February 2015, Ministerial confirmation is dated 27 July 2015, TRIM 2696/16).</p>
<ul style="list-style-type: none">• Vacant – Alternate Member	

LDAP Governance and Sitting Fees

The Department of Planning, via the DAP Secretariat, is responsible for the administration of all LDAP meetings and the preparation of agenda and minutes.

The City of Perth is responsible for providing the Perth LDAP with a meeting venue and minute taking services (preparation of draft minutes). As a “Responsible Authority” the City of Perth is also required to prepare and submit to the Department of Planning reports on development applications, inclusive of recommendations for the Perth LDAP’s consideration.

DAP meetings are conducted in accordance with the Development Assessment Panel Practice notes: DAP Standing Orders 2012. The meetings are held at Council House and are open to members of the public. DAP members are also required to comply with the Development Assessment Panel Code of Conduct 2011.

DAP members are paid sitting fees and are entitled to reimbursement of travel expenses in accordance with Regulations, with the exception of DAP members who are either Federal, State or local government employees, active or retired judicial officers or employees of public institutions, although exceptions to this can be approved through the Minister and Cabinet.

FINANCIAL IMPLICATIONS:

There are no direct financial implications related to this report.

COMMENTS:

It is mandatory for a person appointed as a DAP member to satisfactorily complete DAP member training provided by the Department of Planning before acting in the role. A local government representative who has previously completed this training is not required to attend further training.

In accordance with the *Planning and Development (Development Assessment Panels) Regulations 2011*, the quorum for a LDAP meeting is three members (including the Presiding Member, and two others whether they are specialist panel members or local government members). The appointment of an alternate local government member will ensure continuity of local government representation at Perth LDAP meetings.

MARKETING, SPONSORSHIP AND INTERNATIONAL ENGAGEMENT COMMITTEE REPORTS

ITEM NO: 3

EVENT SPONSORSHIP (PARTNERSHIP) – IGA CAROLS BY CANDLELIGHT FOR VARIETY

**MARKETING, SPONSORSHIP (APPROVAL)
AND INTERNATIONAL
ENGAGEMENT COMMITTEE
RECOMMENDATION:**

That Council:

- 1. approves Event Sponsorship of \$60,000 (excluding GST) to Variety WA to present IGA Carols by Candlelight for Variety on Sunday, 18 December 2016;***
- 2. notes that the event organisers will provide the following sponsorship benefits to the City of Perth:***
 - 2.1 the City of Perth to receive presenting rights to the event;***
 - 2.2 the City of Perth crest to appear on:***
 - a. sponsor banners around the stage at the event;***
 - b. volunteer T shirts worn at the event;***
 - c. all advertising in the Sunday Times and Perth Now in the lead up to the event;***
 - d. television advertising;***
 - e. the event website with a hyperlink to the City of Perth website;***
 - 2.3 acknowledgement of the City of Perth as a sponsor on the inside cover of the event program and on a giant screen prior to the event;***
 - 2.4 the support of the City of Perth to be acknowledged on media releases and social media for the event;***

(Cont'd)

- 2.5 the City of Perth to be verbally acknowledged in all radio and television advertising for the event;**
 - 2.6 an opportunity for the City of Perth to have a booth at the event;**
 - 2.7 an opportunity for the City of Perth to display signage at the event;**
 - 2.8 an invitation for the Lord Mayor to give a short Christmas message at the event;**
 - 2.9 the Lord Mayor to be invited to provide a welcome message in the event songbook.**
- 3. a detailed acquittal report, including all media coverage obtained, by 31 March 2017.**

BACKGROUND:

FILE REFERENCE:	P1032438-03
REPORTING UNIT:	Business Support and Sponsorship
RESPONSIBLE DIRECTORATE:	Economic Development and Activation
DATE:	22 August 2016
MAP / SCHEDULE:	N/A

The Committee recommendation to the Council for this report was resolved by the Marketing, Sponsorship and International Engagement Committee at its meeting held on 6 September 2016.

The Committee recommendation to the Council is the same as that recommended by the Officers.

IGA Carols by Candlelight for Variety is a Christmas carols event with over 70 years history within the City of Perth.

The event was run by volunteer organisation The Apex Club of Perth Incorporated until 2015 when Variety WA took over management of the event. The Apex Committee worked closely with Variety WA to ensure a smooth handover process and a successful event.

Variety WA is a children's charity which aims to empower Western Australian children who are sick, disadvantaged or have special needs. Variety WA gives practical equipment, programs and experiences to these children with an aim to help them live, laugh and learn.

Summary of Event:

Variety WA has requested cash sponsorship of \$60,000 for the IGA Carols by Candlelight for Variety which is a large scale carolling event now in its 72nd year.

The event will take place on Sunday, 18 December 2016 from 6.30pm to 9.45pm. It is historically held on the Sunday before Christmas and has become an integral part of the City of Perth's annual Festival of Christmas program. Gates will open at 4.00pm for families to find a spot and picnic prior to the event. The event then commences at 6.30pm with interactive children's activities, with the main show starting at 7.30pm.

The event has previously been ticketed with prices of \$10 per child, \$15 per adult, and \$40 for a family. In 2016, organisers plan to present the event as free to the public for the first time, with candles and event programs for sale. All proceeds from the event are donated to charity. In 2015 the event attracted approximately 8,000 people. The event organisers anticipate an attendance of 12 - 15,000 at the 2016 event, with numbers boosted by the fact that it will be free to attend for the first time.

The event was held in Supreme Court Gardens until 2014 however in 2015 it moved to Langley Park due to Supreme Court Gardens being unavailable. The event organisers are now keen to see the event continue in Langley Park as it had reached audience capacity at Supreme Court Gardens. Continuing to hold the event at Langley Park will enable audience growth, which is anticipated with the event no longer being ticketed, and is a strategic objective of the organisers and the City of Perth.

In 2014, Channel Nine became a media partner for the event, creating a television broadcast to be shown in the week leading up to Christmas. This occurred again in 2015, however in 2016, organisers have advised that they would require significant funding to enable this to occur.

The event organisers have plans to raise the profile of the event as the signature Carols by Candlelight event for Western Australia. To this end they have secured big name talent for the event, and are in discussions with sponsors, including the City of Perth, about ways to maximise event growth in 2017 and beyond.

Funding

The total cost of the event is \$285,000. The event organisers have requested cash sponsorship of \$60,000 (21% of the total cost of the event). Organisers have requested the increased sponsorship amount of \$24,000 from the City of Perth to enable them to make the event free to the public. In 2015, an adult ticket cost \$15 with a family of four charged \$40.

Organisation	Amount	Confirmed/Unconfirmed?
IGA	\$80,000	Confirmed
Lotterywest	\$20,000	Unconfirmed
Novotel	\$10,000	Unconfirmed

Organisation	Amount	Confirmed/Unconfirmed?
Wet and Wild Theme Park	\$10,000	Unconfirmed
Sea Containers WA	\$10,000	Unconfirmed
Tourism WA	\$10,000	Unconfirmed

The following table shows the City of Perth's support for the event.

Year	Amount
1996 – 1997	\$8,000
1998 – 2002	\$9,000
2003 – 2004	\$17,000
2005	\$19,000
2006	\$21,000
2007	\$24,404
2008	\$28,000
2009	\$28,000
2010	\$28,560
2011	\$29,303
2012	\$33,000
2013	\$35,000
2014	\$36,015
2015	\$36,015

The event organisers advise that with the move of the event to Langley Park, costs have increased by 20%. The City of Perth venue hire fees and charges for the 2016 event are estimated at \$17,000, with banner hire fees valued at approximately \$12,000. These fees do not include traffic management, advertising, or Environmental Health fees which are also applicable. The event organisers advise that they would be unable to run the event successfully without the support of the City of Perth.

LEGISLATION / STRATEGIC PLAN / POLICY:

Integrated Planning and Reporting Framework Implications

Strategic Community Plan

Council Four Year Priorities: Healthy and Active in Perth
S15 Reflect and celebrate the diversity of Perth

Policy

Policy No and Name: 18.8 - Provision of Sponsorship and Donations

DETAILS:

Acquittal of 2015 Event

An acquittal report for the 2015 event has been received by the City of Perth and is available on the Elected Member Portal (TRIM 109960/16). Key details from the acquittal report include:

- Attendance of 8,836 at the event;
- Event and marketing costs increased due to change of venue;
- Dami Im was the headline act for the event; and
- All sponsorship benefits were met.

The acquittal report is considered to demonstrate a satisfactory acquittal of the City of Perth's previous funding.

Eligibility for Sponsorship:

Criterion	Satisfied
The total value of the event exceeds the sponsorship requested.	Yes
The event takes place within a public space in the City.	Yes

Assessment of Application (Partnership):

1. Contribution of the event to the economy of the city.

The event occurs on a Sunday night after trading. Some families may take advantage of Sunday trading and then attend the event, visiting food and beverage businesses before or after the event. City of Perth carparks and some accommodation providers in the city will benefit from the event, with attendees travelling from regional areas annually to attend.

2. Has a significant national or international profile or the potential to develop it.

IGA Carols by Candlelight is a major Capital City event which attracts visitors from all over the greater metropolitan area. The event is Perth's signature Carols event and has the potential to grow into a high profile event such as Sydney's Carols in the Domain. City of Perth Officers are actively engaging with the event organisers and other sponsors to increase the attendance and profile of the event in the future.

3. Contributes towards the achievement of one or more of the City's marketing objectives:

- To position the city as a city of regional and international significance;
- To increase visitation to the city;
- To increase economic investment in the city; and
- To create a vibrant, energetic 24 hour city.

The event creates vibrancy and increases visitation to the city. The event may provide a limited economic benefit to city businesses, with families spending time at retailers and restaurants prior to the event, particularly in close proximity to the event location. The event is a key initiative for the City of Perth over the Christmas period and is promoted through the City of Perth's annual Christmas marketing and events program which also includes the Channel 7 Christmas Pageant.

4. Preference will be given to events which provide free attendance.

For the first time, in 2016 the event will be free to the public to attend. Funds for Variety WA are raised through donations and the sales of candles and event programmes, with all proceeds granted to WA children in need.

5. Preference will be given to events which will be held exclusively in the city.

The event will be held exclusively in the city.

6. Benefits to be provided to the City of Perth

The benefits provided to the City of Perth are detailed in the recommendation section of this report.

In addition, the City of Perth has negotiated with the event organisers for City of Perth based food and beverage businesses to be provided with the first opportunity to participate in the event through popup offerings.

Event Sponsorship Category:

- *Major Civic Partnership – Three to five years funding commitment, \$50,000, plus CPI;*
- *State and National – Three years funding commitment, less than \$50,000, plus CPI;*
- *Annual – Annual or historic funding, less than \$20,000; and*
- *Start-Up/One-Off – Once only funding, less than \$15,000.*

The applicant is considered eligible for event sponsorship under the Major Civic Partnership category, in accordance with Council Policy 18.8 – Provision of Sponsorship and Donations.

Classifications are indicative only and subject to annual consideration.

FINANCIAL IMPLICATIONS:

ACCOUNT NO:	9386 5000 7901
BUDGET ITEM:	Recreation and Culture – Other Culture – Other Cultural Activities
BUDGET PAGE NUMBER:	
	BUDGET ITEM
BUDGETED AMOUNT:	\$446,229
AMOUNT SPENT TO DATE:	\$ 55,000
PROPOSED COST:	\$ 60,000
BALANCE:	\$331,229

All figures quoted in this report are exclusive of GST.

COMMENTS:

The City of Perth has been a long standing supporter of IGA Carols by Candlelight for Variety WA under its Event Sponsorship program. Event attendance numbers have stayed static in recent years due to the capacity of Supreme Court Gardens, where the event was previously held. Another factor inhibiting crowd growth in previous years is the ticket costs to attend, with a family of four charged \$40 in 2015. With the 2016 event being free to the public, attendance is expected to vastly increase which is a key objective of the City of Perth. The event will be held on Langley Park and is expected to attract 12,000 to 15,000 people to the city on the Sunday prior to Christmas.

Variety WA has plans to anchor the event at Langley Park for future years, thereby increasing the capacity of the event. The City of Perth has commenced discussions with the organisers around the 2017 event and the potential for the City of Perth to assume a more prominent role in order to grow the event in scale and profile to become a signature event on the State's Christmas calendar.

It is recommended that the Council approves sponsorship of \$60,000 (excluding GST) on the basis that the event is free to the public to attend.

ITEM NO: 4

ARTS AND CULTURAL SPONSORSHIP 2016/17 – ASSOCIATE PARTNERSHIP – PERFORMING ARTS CENTRE SOCIETY

**MARKETING, SPONSORSHIP
AND INTERNATIONAL
ENGAGEMENT COMMITTEE
RECOMMENDATION:**

That Council:

- 1. approves cash sponsorship - associate partnership, of \$72,351 (excluding GST) to Performing Arts Centre Society for sponsorship of the 2017 Blue Room Theatre Program;***
- 2. notes that Performing Arts Centre Society will provide the following program and sponsorship benefits to the City of Perth:***
 - 2.1 2017 Blue Room Theatre Program, consisting of Summer Nights and The Blue Room Theatre Seasons;***
 - 2.2 inclusion of the City of Perth crest on all promotional materials relating to the 2017 Blue Room Theatre Program, including but not limited to season brochures and programs, media releases and media packs, posters, flyers, annual report and website;***
 - 2.3 supporting rights to Summer Nights and two seasons within the 2017 Blue Room Theatre Program, cited as “proudly supported by the City of Perth”;***
 - 2.4 City of Perth signage to be displayed at The Blue Room Theatre for the duration of the supported seasons;***
 - 2.5 A6 size advertisement in the 2017 Season One and Season Two brochures;***
 - 2.6 acknowledgement of sponsorship in all production advertisements including production programs;***

(Cont'd)

- 2.7 inclusion of the City of Perth crest on the front cover of the 2017 Season One, Season Two and Summer Nights brochures, with acknowledgement cited as “proudly supported by the City of Perth”;**
- 2.8 invitation for the Lord Mayor or representative to speak and launch the Blue Room Theatre Awards;**
- 2.9 verbal acknowledgement of the City of Perth’s support in any formal proceedings including the 2017 Season Launch;**
- 2.10 verbal acknowledgement of the City of Perth’s support in all related public programs and events;**
- 3. notes that the City of Perth is to be provided with an acquittal report for the supported project within 3 months of completion of the 2017 Blue Room Theatre Program and an audited annual financial report of Performing Arts Centre Society within 6 months of the conclusion of the relevant financial year.**

BACKGROUND:

FILE REFERENCE: P1032405-03
REPORTING UNIT: Business Support & Sponsorship
RESPONSIBLE DIRECTOR: Economic Development & Activation
DATE: 29 July 2016
MAP / SCHEDULE: N/A

At the Marketing, Sponsorship and International Engagement Committee meeting held on 6 September 2016 part 1 of the Officer Recommendation was amended as follows:

- 1. approves cash sponsorship - associate partnership, of ~~\$64,000~~ \$72,351 (excluding GST) to Performing Arts Centre Society for sponsorship of the 2017 Blue Room Theatre Program;

Reason: The Marketing, Sponsorship and International Engagement Committee expressed a belief that an increased level of sponsorship was appropriate.

Performing Arts Centre Society has requested sponsorship of \$72,351 to support the presentation of the 2017 Blue Room Theatre Program (two seasons) and Summer Nights including an additional free Summer Nights event, *aMoment Caravan* by

Maybe () Together, an immersive 10 minute experience for one audience member at a time, through the Arts and Cultural Sponsorship Program.

Performing Arts Centre Society, trading as The Blue Room Theatre (TBRT), manages The Blue Room Theatre venue located in James Street, Northbridge. TBRT is a not-for-profit organisation, incorporated in 1989.

The *Summer Nights* program commenced in 2009 and is now presented as an independent curated program within the *Fringe World Festival*.

In 2015, TBRT launched the LOFT initiative which exists to support a range of professional theatre projects being developed or presented outside of TBRT's performance programs.

Since 2014/2015, the City of Perth approved an increase of \$10,000 in arts and cultural sponsorship to TBRT to facilitate increased support to independent artists participating in the *Summer Nights* program. The organisation has demonstrated that the increased support, intended to produce professional development outcomes to independent artists and support sustainable audience growth, has been successful.

As the only independent theatre venue in Western Australia, TBRT offers a unique environment for encouraging development of local artists. The Development Season, open to both professional and emerging theatre-makers, has a particular emphasis on innovation and the development of artists and art form. 90% of the box office is returned directly back to the production, benefiting local artists.

In 2015, TBRT attracted approximately 22,000 audience members into the city through its annual program. Audiences were actively encouraged to engage in pre or post show dining opportunities through TBRT partnerships with local restaurants. An audience survey indicated that audience members on average spent an additional \$40 within the city per visit, representing approximately \$880,000 invested back into the local economy.

TBRT has identified its purpose and vision:

Purpose

TBRT enables the development of local performing artists by providing a venue, resources and support to create and produce their work.

Vision

To strengthen the West Australian theatre sector through our program and be recognised as the preeminent organisation in Australia for independent performing artists to make and present their own work.

Past support

The City of Perth has provided sponsorship to TBRT for eight years. Sponsorship history is as follows:

Year	Sponsorship Amount	Supported Program
2008/09	\$30,000	Season One and Two
2009/10	\$30,600	Season One and Two
2010/11	\$31,365	Season One and Two
2011/12	\$50,000	Season One and Two and Summer Nights
2012/13	\$51,250	Season One and Two and Summer Nights
2013/14	\$52,531	Season One and Two and Summer Nights
2014/15	\$62,531	Season One and Two and Summer Nights
2015/16	\$62,531	Season One and Two and Summer Nights
2016/17 Requested	\$72,351	2017 Blue Room Theatre Program
2016/17 Proposed	\$64,000	2017 Blue Room Theatre Program

An acquittal report for the 2014/2015 supported project and the 2015 audited financial statements has been received (TRIM 130421/16 and 60829/16) and are accessible within the Elected Member Portal.

This information has been reviewed and demonstrates a satisfactory acquittal of the City's previous funding, as demonstrated by the following summary:

- In 2015, a total audience of over 22,000 attended TBRT productions throughout the year, representing an average capacity of 85.6%. Approximately 12,000 patrons attended a total of 296 *Summer Nights* performances during the *Fringe World Festival*;
- 465 Western Australian artists were supported to present new work resulting in a box office return of \$405,000, of which 90% was returned to artists; and
- The 2015 *Summer Nights* program offered longer seasons over more venues. In total, 32 productions were presented over six venues. Martin Sims Award Winner *Monroe & Associates* (The Last Great Hunt) ran for 23 days in a custom-built caravan in the Perth Cultural Centre.

LEGISLATION / STRATEGIC PLAN / POLICY:

Integrated Planning and Reporting Framework Implications Policy

Strategic Community Plan
Council Four Year Priorities: Healthy and Active in Perth
S15 Reflect and celebrate the diversity of Perth

Policy No and Name: 18.1 – Arts and Culture
18.8 – Provision of Sponsorship and Donations

Eligibility:

Policy 18.1 establishes the principles for the City of Perth supporting Arts and Culture and these principles are used to determine the level of consistency with the program or event proposed for sponsorship funding.

Policy 18.8 establishes the criteria for the City's assessment of sponsorship applications requiring the applicant to demonstrate alignment with the policy's objectives and selection criteria as follows:

Category of Sponsorship: Associate Partnership	
Applicant Eligibility Criteria	
<i>The applicant must:</i>	
Have formally identified arts and/ or culture as its primary purpose.	Criterion met
Be a formally constituted not-for-profit, benevolent or charitable organisation.	Criterion met
Project Eligibility Criteria	
Be an Australian legally constituted entity.	Criterion met
<i>The applicant must not be:</i>	
A government authority, agency or department.	Criterion met
An individual.	Criterion met
An applicant that has previously submitted unsatisfactory or incomplete reports.	Criterion met
An applicant that has outstanding debts to the City of Perth.	Criterion met
An applicant that has already received support from the City of Perth for this project or any City of Perth sponsorship in the same financial year.	Criterion met
Project Eligibility Criteria	
<i>The project must:</i>	
Provide a public outcome within the City of Perth boundaries.	Criterion met
Occur with the specified timeframe.	Criterion met
<i>The project must not be:</i>	
For profit or commercial purposes.	Criterion met
For fundraising.	Criterion met
An award ceremony or industry specific presentation.	Criterion met
Training, workshops, research or professional development.	Criterion met

DETAILS:

Project Summary

Project A – Summer Nights

The *Summer Nights* program is a multi-award winning independent program featuring the best of local, national and international theatre, performance and dance. The

Summer Nights program has won Best Independent Program at *Fringe World Festival* for the past five consecutive years.

In 2017, TBRT will present productions over four weeks in January and February and for the first time, will present two and half weeks of live performances in Studio Underground at the State Theatre Centre of Western Australia.

TBRT has requested an additional \$10,000 arts and cultural sponsorship to present *aMoment Caravan* by Maybe () Together, Melbourne street artist aMoment in collaboration with sculptor Kathy Holowko as part of The *Summer Nights* Program. *aMoment Caravan* is an immersive 10 minute experience for one audience member at a time, described by TBRT as asking big questions in an intimate way, TBRT hopes the event will engage a broad audience who might not have otherwise had the opportunity to participate in unique, artistic experiences.

Project B – The Blue Room Theatre Seasons One and Two

TBRT presents two seasons annually, showcasing a minimum of 14 productions. Each season presents original work or work not previously seen in Western Australia by emerging and mid-career artists.

Applications to present works are submitted by independent producers and are assessed by an industry peer assessment panel against established criteria.

TBRT seasons provide development opportunities for local artists. In addition to providing the venue free of charge, TBRT also provides professional support including technical and production support, marketing support and a booking service, with artists receiving 90% of box office sales.

TBRT seasons have sustained consistent audience growth. In 2014, the program attracted 83% capacity, in 2015, 85% capacity was achieved and the first season of the 2016 program reached 88% capacity.

TBRT offers WA local and mid-career artists the opportunity to present their work in a low-risk supportive environment.

Venues

TBRT Season's performances take place within TBRT and The Blue Room Studio performance spaces. Studio Underground at the State Theatre Centre of Western Australia and TBRT and Studio are used during *Summer Nights* to accommodate the volume of productions presented in the four week period. TBRT and State Theatre Centre of Western Australia are located in Northbridge within the Perth Culture Centre Precinct.

Ticket Prices

Standard tickets are priced from \$20 to \$28 and concession tickets are priced from \$15 to \$25.

ASSESSMENT:

Arts and Cultural Sponsorship Guidelines and in accordance with Policy 18.8 and Policy 18.1.

The identified objective of an *Arts and Cultural Associate Partnership* is to support arts and cultural activities that:

- Invest in the development and presentation of local arts and cultural activity;
- Enhance the profile of the City of Perth as a pre-eminent cultural destination;
- Enhance the corporate profile of the City of Perth; and
- Contribute to the economy of the city.

Located in the Perth Cultural Centre precinct, Northbridge, TBRT's year round programs attract many thousands of people to the area with its innovative programs.

TBRT is a popular venue for its annual program and during the *Fringe World Festival* when the *Summer Nights* program is presented, as demonstrated by consistently high patronage. The venue supports other cultural activity in the area and in recent years has been used to accommodate and partner with other cultural activities, this has included NAIDOC Week celebrations and Awesome International Arts Festival.

The project must demonstrate shared objectives as an Associate Partner

Through this category of sponsorship the City of Perth supports recurring arts and cultural programs by established partners.

TBRT is committed to supporting the development of new works and the presentation of local arts and cultural activity. TBRT's Development Season, is a unique opportunity for professional and professional emerging theatre makers to present their work in a supportive environment.

The local economy benefits from regular and ongoing cultural programming which ensures that the Cultural Centre, easily accessible from Northbridge and the city's retail precincts, facilitates an active and vibrant destination to visit. A recent survey conducted by TBRT indicates that TBRT patrons contribute approximately \$880,000 to the local economy annually, based on an average spend of \$40 per patron (in addition to expenditure at TBRT).

The 2017 seasons are expected to attract 22,500 people, of which 860 are expected to be interstate visitors and 180 international visitors. In addition, approximately 25 international participants, 40 interstate participants, 28 regional and 379 Perth metropolitan participants will be involved in the seasons.

Visiting audiences are expected to stay a total of 9,651 overnight stays. The City's Economic Impact Modelling tool, REMPLAN, estimates the total economic impact of *TBRT Annual Seasons* and *Summer Nights* is \$6,977,000, with a direct effect of \$4,403,000.

The project must be of high artistic quality/cultural relevance.

TBRT offers a successful suite of opportunities for local theatre makers to develop their art form.

In 2015, TBRT presented 43 new works, 22 works originally supported by TBRT have gone on to interstate or international presentation. TBRT has nurtured an environment where creative development is encouraged. Emerging and mid-career producers are supported by industry mentors to extend their skills and take creative risks. In a sector where risk taking can be considered a significant factor in presenting innovative and celebrated works, TBRT offers a unique environment where the financial implications of such risks are lessened by the support, both cash and in-kind, provided by the venue.

Applications to present independent productions at TBRT are assessed by an independent assessment panel of industry peers. Productions are assessed against established assessment criteria.

The organisation must have an established relationship with the City of Perth and has demonstrated a high standard of service and program delivery.

TBRT has a successful history of managing the presentation of TBRT Program. TBRT has an active and experienced Board of Management and a professional staff.

TBRT has been supported through the Arts & Cultural Sponsorship Program since 2008. The organisation has demonstrated successful achievement of its objectives since this time.

As part of its application for sponsorship, TBRT has submitted a copy of the 2015 Annual Report, providing evidence that the organisation has generally met and exceeded most of its performance indicator benchmarks, attracting larger audiences and presenting critically-acclaimed work.

A detailed marketing plan and a schedule of 2017 programming has been submitted in support of the application. The organisation has a membership base of over 500 paid members and a subscriber list of 6,950.

Applicant must demonstrate a financial contribution to the project derived from other sources.

TBRT has provided a consolidated project budget for the proposed programs indicating a confirmed financial contribution from the Australia Council and Department of Culture and the Arts totalling \$193,534.

The consolidated project budget for the proposed program includes State and Federal Grants (29% of total budget) and an estimated figure for ticket sales (45% of total budget, 90% of which is returned to artists), bar revenue, donations, in-kind support and corporate sponsorship.

The sponsorship request represents a contribution of approximately \$3.59 per audience member.

Acknowledgement

For \$64,000 (exc. GST) the applicant will be required to provide the benefits as outlined in recommendation section of this report.

FINANCIAL IMPLICATIONS:

ACCOUNT NO:	93C4 8000 7901
BUDGET ITEM:	Recreation and Culture – Other Culture – Donations and Sponsorship
BUDGET PAGE NUMBER:	TBA
	BUDGET ITEM
BUDGETED AMOUNT:	\$1,285,000
AMOUNT SPENT TO DATE:	\$247,250
PROPOSED COST:	\$64,000
BALANCE:	\$973,750

All figures quoted in this report are exclusive of GST

COMMENTS:

The 2017 TBRT Program meets the City's Arts and Cultural Sponsorship objectives and responds to the aims and goals as articulated in the City's Arts and Culture Policy 18.1.

TBRT seasons are affordable and accessible for the public to attend and consistently provide value to the community who are encouraged to engage with local theatre in a unique environment. This environment encourages the presentation of high quality, innovative theatre, and supports the economic enhancement of the Northbridge and Cultural Centre precincts through partnerships with local businesses.

ITEM NO: 5

EVENT SPONSORSHIP (PARTNERSHIP) – IFLSCIENCE FESTIVAL

**MARKETING, SPONSORSHIP
AND INTERNATIONAL
ENGAGEMENT COMMITTEE
RECOMMENDATION:** (REFUSAL)

That Council refuses event sponsorship of \$250,000 (excluding GST) to Minespace Events to present the IFLScience Festival from Friday, 25 November to Sunday, 27 November 2016, from 8.30am to 10.00pm.

BACKGROUND:

FILE REFERENCE:	P1032438-03
REPORTING UNIT:	Business Support and Sponsorship
RESPONSIBLE DIRECTORATE:	Economic Development and Activation
DATE:	24 August 2016
MAP / SCHEDULE:	Confidential Schedule 3 – Proposed Festival Talent Confidential Schedule 4 – Other Funding Sources

The Committee recommendation to the Council for this report was resolved by the Marketing, Sponsorship and International Engagement Committee at its meeting held on 6 September 2016.

The Committee recommendation to the Council is the same as that recommended by the Officers.

Minespace was launched as a co-working space for the mining industry. One of the key areas of the organisation is the event arm which coordinates science type events, including science-based speaking events, industry group gatherings, workshops, hackathons, corporate functions and conferences.

Minespace Events entered the conference calendar in 2015 with neXtek a technology and innovation conference showcasing the best and newest innovations in mining. The event was successful and was again held in July 2016 at the Perth Concert Hall and sponsored by the City of Perth.

Minespace has a vision for an international science festival in Perth. They approached UK based IFLScience to collaborate on the festival concept. Acquiring the rights to present an event as being officially associated with IFLScience is a huge advantage to attract big names to the festival, and gives prestige and a significant international profile to the event.

IFLSscience began as a Facebook page in March 2012 and since then has grown into what is considered the largest science communicators in the world. The IFLScience website has a readership of over 50 million people each month and the Facebook page has over 25 million followers. This is second only to the National Geographic page for the communication of science on Facebook.

Summary of Event:

Minespace will present the IFLScience Festival in the Perth Cultural Centre, University of Western Australia (UWA), Northbridge Piazza and at other city locations from Friday, 25 November to Sunday, 27 November 2016. The event will run from 8.30am to 10.00pm and is proposed to include a variety of free and ticketed components. The event taps into key areas of education namely Science, Technology, Engineering, Arts, and Maths (STEAM areas).

The IFLScience Festival will be a science and innovation festival held over three days and will feature a proposed program of events including:

- TED style speaking events;
- Street science – weird, fun and colourful science for all;
- New science – focused on technology developed in WA: Biotechnology, Mining, Oil and Gas, Renewable energy etc.;
- Science themed art;
- Game science – virtual reality and augmented reality hubs;
- Food science;
- Indigenous science; and
- Science debates and panels including renowned members of the science community.

The Festival program of events will include a free component at the Perth Cultural Centre. For the ticketed components, the festival will utilise several facilities at UWA, including the Octagon Theatre, Sunken Garden, Sommerville Auditorium and Winthrop Hall. Other proposed festival locations are the Perth Town Hall, the State Library of WA, Cathedral Square and city pubs. Organisers anticipate that 80% of the event will be free to the public to attend.

FREE EVENTS

Proposed free festival events include:

High School Science Off – WA High Schools will battle it out to be the winner of the inaugural IFLScience Science – Off.

University Challenge – The West vs The Best – Hosted and judged by festival talent, this challenge will see University compete against University and State against State.

Hot Science – TED style presentations of the best science in Australia, featuring talent from peak science bodies and private enterprise.

Game Jam and Virtual Reality World – Hosted and judged by Hex and Bajo from ABC's Good Game show, this event will entice the best game makers in Australia to compete with their own creations. Each game created will be tested and played by the judges. This component will also feature a virtual world showing the latest in virtual reality technology, including the Virtuix Omni – the world's first full motion virtual reality system.

Science in the Pub – utilising the capacity of nearby pubs, some of the best scientists in the world will present to an evening audience.

Q and A Panels – a range of different panels featuring a combination of scientists and topics.

The majority of free events will be held at the Perth Cultural Centre, with UWA hosting the majority of the ticketed components.

Marketing

Minespace will be marketing the event nationally and internationally and plan to heavily rely on social media to promote the event. IFLScience have a strong following on social media and it is anticipated that attending talent will also promote the event via their own social media channels. Organisers therefore believe that the event has the potential to go 'viral'.

Organisers plan to use Facebook Live to increase the events reach and to record and broadcast components on the event online. This will increase the audience and extend the longevity of the event.

Organisers are aware that pop-up style events can often stimulate businesses which are taking part in them, but that surrounding businesses often do not benefit to the same extent. Organisers have therefore created their food plan to ensure that only uniquely themed food items are to be brought into the event, and that patrons looking for meals will be encouraged to visit one of the many surrounding food vendors. Organisers will work with businesses in the vicinity to advise them of the event and to make recommendations on leveraging off the events attendance. Organisers plan to work specifically with businesses in the immediate vicinity of the Cultural Centre.

Funding

The total cost of the event is \$1,545,000. Organisers have requested cash and in-kind sponsorship of \$250,000 for the event (16% of the total event cost). Organisers have received confirmation of cash and in-kind contributions by other sponsors including the Metropolitan Redevelopment Authority (MRA) and UWA and are awaiting confirmation of funding from a suite of other sources. A table of confirmed and unconfirmed funding can be found at Confidential Schedule 4.

The format of the Festival will include some ticketed components to assist with revenue generation to assist with covering costs.

Organisers have requested cash Sponsorship of \$150,000 to assist with the costs of sourcing talent, accommodation and transport costs, production and infrastructure fees and event staff. Organisers advise that the sourcing of high profile talent comes at a significant cost. The City of Perth notes that much of the talent proposed at Confidential Schedule 3 is as yet unconfirmed.

In addition, organisers have requested in-kind sponsorship from the City to assist with the following costs:

- Town Hall hire fees, including furniture hire (\$20,000);
- Waste management services (\$15,000);
- Use of the City's advertising channels including social media, websites, screens and banner hire (\$15,000);
- Administrative support fees (\$10,000) including;
 - Event application fees;
 - Building permit fees; and
 - Environmental health fees;
- Hire fees for Cathedral Square (\$10,000); and
- Cash sponsorship of one of the science talent team for their appearance at the festival (\$30,000).

The City of Perth's Business Support & Sponsorship unit does not have unallocated funds available in its sponsorship budget to support an event of this scale.

LEGISLATION / STRATEGIC PLAN / POLICY:

Integrated Planning and Reporting Framework Implications

Strategic Community Plan

Council Four Year Priorities: Perth as a Capital City
S5 Increased place activation and use of under-utilised spaces

Policy

Policy No and Name: 18.8 - Provision of Sponsorship and Donations

DETAILS:

Organisers have previously received support from the City of Perth for the neXtek Conferences in 2015 and 2016. This most recent event was held in July 2016 and therefore acquittal information is not yet available, however, City of Perth Officers involved with the project have advised that it was a successful project and met its objectives.

Eligibility for Sponsorship:

Criterion	Satisfied
The total value of the event exceeds the sponsorship requested.	Yes
The event takes place within a public space in the City of Perth.	Yes

Assessment of Application (Partnership):

1. Contribution of the event to the economy of the city.

Economic Modelling for the event shows that the expected economic output for the event is \$31.64 million. This is a return on investment for the requested level of sponsorship of 1:126.

Organisers anticipate that \$400,000 of the event budget will be spent in Perth. In addition, international talent for the event will be accommodated in the city for the duration of the event.

2. Has a significant national or international profile or the potential to develop it.

IFLSience have a global following which extends far beyond that of just the science community. The event proposes to bring approximately 20 very high profile international science and innovation personalities to Perth over one weekend and it is anticipated that the event will have an international profile. However, the proposed high profile international talent is unconfirmed at this stage.

3. Contributes towards the achievement of one or more of the City's marketing objectives:

- to position the city as a city of regional and international significance:

The event will attract international attention through partnering with the UK-based IFLScience. In addition, the high profile international talent will assist with positioning the city as a city of regional and international significance. The event stretches across the City's new boundaries and assists with positioning Perth as a Capital City.

- to increase visitation to the city:

The event will increase visitation to the city with an estimated 150,000 attendees to the event over the weekend. Organisers anticipate a significant attendance from interstate and overseas.

- to increase economic investment in the city:

The event will increase economic investment in the city with a significant projected attendance from interstate and overseas, including high profile talent and celebrities who will be accommodated in the city.

- to create a vibrant, energetic 24 hour city:

The event will create vibrancy across a number of precincts, activating the whole city under the science themed festival. The City of Perth's Marketing and

Communications Unit confirm that there is significant potential to leverage off the event through activations and trader involvement.

4. Preference will be given to events which provide free attendance.

The event will feature a mix of free and ticketed components; however the majority of the event will be free to the public to attend. Organisers anticipate that 80% of the festival will be free.

5. Preference will be given to events which will be held exclusively in the city.

The event will be held exclusively within the city and is exclusive to WA.

6. Benefits to be provided to the City of Perth

Should the City of Perth choose to support the event with sponsorship, organisers will provide the following benefits as a minimum, with further benefits available on negotiation, depending on the level of support:

- the City of Perth crest to appear on all promotional material and advertising for the event;
- the City of Perth crest to appear on the event website with a hyperlink to the City of Perth website;
- the support of the City of Perth to be included in all media coverage of the event;
- the support of the City of Perth to be acknowledged on the events social media accounts;
- the City of Perth to receive a confirmed list of attending talent prior to the event;
- the Lord Mayor, or representative, to be invited to open the event; and
- a detailed acquittal report, including all media coverage obtained, by 28 February 2017.

Event Sponsorship Category:

- *Major Civic Partnership – Three to five years funding commitment, \$50,000, plus CPI;*
- *State and National – Three years funding commitment, less than \$50,000, plus CPI;*
- *Annual – Annual or historic funding, less than \$20,000; and*
- *Start-Up/One-Off – Once only funding, less than \$15,000.*

The applicant is considered eligible for event sponsorship under the Major Civic Partnership category, in accordance with Policy 18.8 – Provision of Sponsorship and Donations.

Classifications are indicative only and subject to annual consideration.

FINANCIAL IMPLICATIONS:

ACCOUNT NO:	9386 5000 7901
BUDGET ITEM:	Recreation and Culture – Other Culture – Other Cultural Activities
BUDGET PAGE NUMBER:	85
	BUDGET ITEM
BUDGETED AMOUNT:	\$442,311
AMOUNT SPENT TO DATE:	\$105,000
PROPOSED COST:	\$0
BALANCE:	\$442,311

All figures quoted in this report are exclusive of GST.

COMMENTS:

Should it proceed in its proposed format, the IFLScience Festival has the potential to have a very high profile and attract international celebrities to the city. The event will look to activate several areas of the city, with events proposed to be held at the University of Western Australia, the Perth Cultural Centre and the Northbridge Piazza, as well as roaming performers through city malls.

The projected economic return from the event is significant and the event ties in with key economic development priorities for the City of Perth including promoting the city as a key business, investment and tourism destination; support for science and innovation related education and industries; and activation of the city for the benefit of ratepayers and stakeholders.

However, the requested level of support for the event would position this sponsorship as the City's third largest and over and above what the City of Perth contributes to other events with which it has a longstanding history, such as Fringe Festival and the Christmas Pageant.

The proposed talent includes several very high profile internationally renowned celebrities working across a range of fields which would prove extremely popular in attracting participants to the event. However, it is noted that this talent is not confirmed at this stage, and the City of Perth has doubts about the ability of the event to attract this calibre of talent in the proposed time frame and budget.

Minespace has not previously managed an event of this scale or profile. In addition, key details and logistics of the event are still unconfirmed at this stage, including locations, talent, and most significantly, other sources of funding. Through the City's due diligence, Officers have concerns about the ability of the event organisers to secure the necessary funding to stage an event of this scale. It is therefore recommended that Council refuse the request for sponsorship of this event at this time, however remain open to the possibility to support the event in future years with further planning and evidence of a sustainable business model required.

WORKS AND URBAN DEVELOPMENT COMMITTEE REPORTS

ITEM NO: 6

CITY LANEWAYS ENHANCEMENT PROJECT – MCLEAN LANE

**WORKS AND URBAN
DEVELOPMENT COMMITTEE
RECOMMENDATION:**

(APPROVAL)

That Council:

- 1. receives the results of the public consultation on the McLean Lane Enhancement - Draft Concept Plan as detailed in Schedule 5;***
- 2. approves the final concept plan for implementation as detailed in this report and Schedule 6, noting that construction is scheduled to be completed by Friday, 30 June 2017; and***
- 3. notes that stakeholder consultation on a proposed partial daytime closure of McLean Lane (Murray Street end) to facilitate alfresco dining will be postponed until an alfresco application is received from the new tenants of 100 Murray Street.***

BACKGROUND:

FILE REFERENCE:	P1032430
REPORTING UNIT:	Co-ordination & Design
RESPONSIBLE DIRECTORATE:	Planning and Development
DATE:	25 August 2016
MAP / SCHEDULE:	Schedule 5 – Consultation Results Report Schedule 6 – Final Concept Plan

The Committee recommendation to the Council for this report was resolved by the Works and Urban Development Committee at its meeting held on 6 September 2016.

The Committee recommendation to the Council is the same as that recommended by the Officers.

The McLean Lane Enhancement - Draft Concept Plan was presented to the Council at its meeting held on **5 April 2016**. The Council subsequently endorsed the following resolutions:

“That Council:

- 1. approves the draft concept plan for the upgrade of McLean Lane as detailed in this report and Schedules 9 and 10;*
- 2. approves the release of the draft concept plan for consultation with stakeholders;*
- 3. approves stakeholder consultation on a proposed partial daytime closure of the laneway at the Murray Street end to facilitate alfresco dining; and*
- 4. notes that the results of the public consultation, together with the final plans and cost estimate for progressing the physical works will be presented to the Works and Urban Development Committee for further consideration.”*

This report presents the results of the public consultation and provides details on the Final Concept Plan, including estimated costs and a proposed construction program.

LEGISLATION / STRATEGIC PLAN / POLICY:

**Integrated Planning
and Reporting
Framework
Implications**

Strategic Community Plan
Council Four Year Priorities: Perth as a Capital City
S5 Increased place activation and use of under-utilised space

DETAILS:

Draft Concept Plan - Public Consultation

The Draft Concept Plan was published on the City of Perth’s community engagement website ‘Engage Perth’ in April 2016. In addition, a letter was sent to all property owners and tenants on the block defined by Murray Street, Wellington Street, Pier Street and Barrack Street, inviting comments on the proposal.

Of the eight formal responses received:

- Four were fully supportive of the proposal; and
- Four provided conditional support.

The comments were supportive of generating more activity in the laneway, introducing public art and highlighting the character of the space.

Schedule 5 provides a full account of the consultation responses.

Partial Laneway Closure to Facilitate Alfresco

The owners of 100 Murray Street are introducing a café to the ground level of their building and reorienting towards the laneway. Maximising the alfresco area for this café to bring activity to the lane is a key objective of the enhancement. Restricting vehicle access to this part of the laneway during the day would greatly increase the amount of available space and improve the alfresco experience.

The City of Perth will continue to work with the owner's architect to co-ordinate the laneway enhancement works with the building refurbishment and alfresco design before proceeding with stakeholder consultation on a partial daytime closure of the laneway.

Final Concept Design

The Final Concept Design in Schedule 6 is inspired by Robert (Bob) McLean's second-hand furniture shop, which was located in McLean Lane in the 1920's.

The key components of the enhancement are:

Surface treatment	<ul style="list-style-type: none">• New black asphalt paving; and• A central drainage channel formed with granite cobble stones salvaged from the lane and excess cobble stones recovered from earlier laneway upgrades.
Lighting	<ul style="list-style-type: none">• Catenary lighting with colourful domestic-style lampshades reinterpreted using robust and long lasting anodised aluminium;• Wall-mounted gooseneck LED lamps for general lighting;• Feature lighting of character architectural elements; and• A neon feature at a high level on the northern elevation of the Pier Street Car Park to draw attention to the lane from surrounding city areas.
Events	<ul style="list-style-type: none">• Water taps, sewer connections and 1-phase and 3-phase power for events.
Drainage	<ul style="list-style-type: none">• New stormwater drainage pipes and grates
Activation, Crime Prevention & Safety	<ul style="list-style-type: none">• The below-ground stairwell at the rear of the Pier Street Car Park are to be demolished and removed to eliminate opportunities for concealment, improve passive surveillance and maximise alfresco and event space;• The owners of 100 Murray Street have agreed in principle to install a gate to the top of their driveway to restrict public access;• Two new CCTV cameras to improve formal surveillance

	<p>of the lane; and</p> <ul style="list-style-type: none">• New Wi-Fi access points to extend the City of Perth's free network.
Public Artwork	<ul style="list-style-type: none">• A colourful artwork on the western elevation of the Pier Street Car Park inspired by Bob McLean's second-hand furniture shop; and• A mural on the northern elevation of the Padlock Building.
Signage	<ul style="list-style-type: none">• A large 'McLean Lane' sign at the Murray Street entrance to assist way-finding.

FINANCIAL IMPLICATIONS:

ACCOUNT NO:	CW1966
BUDGET ITEM:	McLean Laneway - Gasworks
BUDGET PAGE NUMBER:	38
BUDGETED AMOUNT:	\$1,276,500
AMOUNT SPENT:	\$ 119,162
PROPOSED CONSTRUCTION COST:	\$1,008,622
PROPOSED DESIGN & PROJECT MANAGEMENT COST (FY16/17):	\$ 148,716
PROPOSED TOTAL COST:	\$1,276,500
BALANCE:	\$0
ANNUAL MAINTENANCE:	TBC
ESTIMATED WHOLE OF LIFE COST:	TBC

An independent quantity surveyor has estimated the above construction costs based on the 50% design documentation drawings. This includes a 12% contingency for unforeseen costs and latent site conditions.

In addition to the Capital Works budget for the enhancement, the City of Perth has been awarded a Federal grant of \$13,475 for the supply and installation of the two new CCTV cameras in the lane.

There is also scope to increase the budget for the public art component of this project through the City's Public Art Reserve.

All figures quoted in this report are exclusive of GST.

COMMENTS:

Construction is scheduled to commence following the Gasworks roof replacement in early 2017 and is expected to take approximately 10 weeks to complete. The works will be staged to minimise disruption to adjacent businesses and the general public.

A communications plan will be developed to ensure all stakeholders are adequately notified of the works and to deal with any specific needs concerning access requirements during construction.

ITEM NO: 7

ADOPTION – CITY OF PERTH URBAN FOREST PLAN

**WORKS AND URBAN
DEVELOPMENT COMMITTEE
RECOMMENDATION:**

(APPROVAL)

That Council:

- 1. adopts the City of Perth Urban Forest Plan as detailed in this report and Schedule 8;***
- 2. notes the high level of support from stakeholders; and***
- 3. notes that the first stage of implementation will be the planting of approximately 450 trees in priority areas before Friday, 30 June 2017.***

BACKGROUND:

FILE REFERENCE:	P1030783
REPORTING OFFICER:	Barbara Meldrum
REPORTING UNIT:	Co-ordination & Design
RESPONSIBLE DIRECTORATE:	Planning and Development
DATE:	25 August 2016
MAP / SCHEDULE:	Schedule 7 – Community feedback and responses Schedule 8 – City of Perth Urban Forest Plan (Final) Schedule 9 – Concept Map: Infill Street Tree Planting Program

The Committee recommendation to the Council for this report was resolved by the Works and Urban Development Committee at its meeting held on 6 September 2016.

The Committee recommendation to the Council is the same as that recommended by the Officers.

At its meeting held on **28 October 2014** the following Council resolution was adopted:

“The Council recognises the need for a plan to ensure the City’s trees and landscapes are resilient and responsive to a changing environment, and requests that:

1. *an Urban Forest Plan be developed for the purposes of:*
 - *guiding the future development of the City's green infrastructure;*
 - *setting targets to increase canopy cover in the public realm;*
 - *replacing ageing tree populations; and*
 - *protecting the City's existing trees and landscapes.*

At its meeting held on **15 March 2016** the Council adopted the Environment Strategy. The Environment Strategy articulates the City of Perth's aim to lead, inspire and work with the community to ensure that Perth is one of the world's most environmentally sustainable cities.

At its meeting held on **7 June 2016** the following Council resolution was adopted:

"That Council:

1. *receives the draft Urban Forest Plan as detailed in this report and Schedule 13;*
2. *releases the draft Urban Forest Plan for consultation and feedback, noting that a further report will be presented to the Council – detailing comments received and any recommended changes to finalise the document'*

LEGISLATION / STRATEGIC PLAN / POLICY:

Integrated Planning and Reporting Framework Implications

Community Business Plan

Council Four Year Priorities: Healthy and active in Perth
S16 Increase accessibility to green networks in the city.
16.1 Finalise and implement Urban Forest Plan

DETAILS:

An urban forest is broadly defined as the collection of green spaces, trees and other vegetation that grows within an urban area, on both public and private land. The City of Perth's Urban Forest Plan covers street and parkland trees planted on land located within the City of Perth boundaries.

The guiding principles of the City of Perth Urban Forest Plan are to:

- Mitigate the urban heat island effect by cooling our public spaces;
- Create healthy, robust and attractive public spaces that are comfortable for outdoor activity all year round;
- Design for liveability and health and wellbeing; and
- Ensure that the city is climate responsive.

Refinement of the Plan through Consultation

With the purpose of refining the draft document and ensuring that there would be broad community support for the Urban Forest Plan, the following stakeholders were invited to provide feedback:

- Relevant State Government agencies;
- Adjoining Local Government authorities;
- Relevant academics from WA Universities;
- Relevant industry groups and professional institutes;
- Specific community interest groups; and
- Relevant infrastructure and service providers.

As well as inviting key stakeholders to comment, the City of Perth also used the Engage Perth website as an online forum for the community.

At the close of the consultation period on Friday, 15 July 2016, the following submissions were received:

- 14 from key stakeholders; and
- 64 from members of the public.

The Urban Forest Plan vision received 100% support through the Engage Perth forum. The benefits of an urban forest that were identified as being the most important to the community were:

- Cooling the city;
- Improve air and water quality;
- Reduce impact of global warming; and
- Access to green space.

The consultation process also informed the following key changes to the final Plan:

Item	Comments	Proposed change to final Plan
Urban Forest Vision	A number of respondents requested that biodiversity be added to the vision statement.	Biodiversity has been included in the vision statement.
Resilience standards and tree diversity	Some respondents felt that the standards applied were too simple in relation to species mix.	Standards have been qualified. The Plan also reinforces the importance of diversity in urban forest management, in particular, in relation to disease outbreak.
Water management	A number of respondents requested that references	More information has been included regarding the City's proposed Water

Item	Comments	Proposed change to final Plan
	to water saving solutions be included in the Plan.	Sensitive Transition Study and Water Sensitive Urban Design initiatives.
Importance of tree canopy cover	A number of respondents did not understand the importance of tree canopy size.	Illustrations have been added to the Plan to explain the importance of having large tree canopies to shade public spaces. Information has also been included on the importance of species, health and tree spacing.
Canopy – targets and timeframe	Some respondents felt that the targets set by the Plan were too low and a requested a specific target and timeframe for delivery.	The targets have been reviewed and clarified. A target of 30% canopy cover over the public realm over 30 years has been set.
Staged approach	Some respondents were confused by the different stages proposed in the Plan and requested that Green Infrastructure and trees in private realm also be included.	Illustrations have been included to clearly show the stages and reasons why a staged approach is essential for the success of the overall Plan.

FINANCIAL IMPLICATIONS:

ACCOUNT NO:	CW1982
BUDGET ITEM:	Urban Forest – Various
BUDGET PAGE NUMBER:	38
BUDGETED AMOUNT:	\$500,000
AMOUNT SPENT TO DATE:	\$ 12,620
PROPOSED COST:	\$487,380
BALANCE:	\$0

All figures quoted in this report are exclusive of GST.

One of the key deliverables of the Urban Forest Plan is to increase the canopy cover in the City of Perth. The implementation of a new four year program of infill tree planting in selected City of Perth streets, prioritising hot spots identified in the thermal imaging maps, has commenced. Adjacent property owners are being consulted as the planting works are incrementally implemented.

COMMENTS:

The Urban Forest Plan covers street and parkland trees planted on land located within the City of Perth boundaries. It currently excludes those parts of the City of Subiaco that have recently been amalgamated with the City of Perth, under the

provisions of the *City of Perth Act 2016*. The data for this area will be included as a separate supporting document to be issued in late 2016.

The Urban Forest Implementation Plan will drive the delivery of the vision and goals. The Implementation Plan will set out the detailed actions required to achieve each of the objectives.

The City of Perth Urban Forest Plan is an important strategic action plan for the protection, management and expansion of the urban forest. It recognises the urban forest as a critical element of infrastructure for its ongoing contribution to city liveability, community health and well-being and climate resilience.

ITEM NO: 8

TENDER NO. 017-16/17 – INSTALLATION, MAINTENANCE & DISMANTLE OF CHRISTMAS DECORATIONS 2016 – 2018

WORKS AND URBAN DEVELOPMENT COMMITTEE
RECOMMENDATION: (APPROVAL)

That Council:

- 1. accepts the most suitable tender, being that submitted by Gilmore Global Pty T/A Happy Excavations, for the installation, maintenance and dismantling of Christmas Decorations (Tender No. 017-16/17) for the total estimated lump sum for three years of \$1,104,218 and rates detailed in Confidential Schedule 11 at the following locations:***
 - 1.1 Location 1 – Perth Central, Murray Street Mall, Forrest Place (\$722,800);***
 - 1.2 Location 2 – Northbridge, East Perth, West Perth (\$325,940);***
 - 1.3 Location 3 – Pine Trees – Council House & Victoria Gardens (\$55,478);***
- 2. accepts the rates for reduction in Christmas decorations if not installed, as detailed in Confidential Schedule 11;***
- 3. accepts the hourly rates for repair and refurbishment of decorations as required, as detailed in Schedule 12;***

BACKGROUND:

FILE REFERENCE:	P1033025
REPORTING UNIT:	Street Presentation & Maintenance
RESPONSIBLE DIRECTORATE:	Construction & Maintenance
DATE:	22 August 2016
MAP / SCHEDULE:	Confidential Schedule 10 – Qualitative Selection Criteria Evaluation Matrix Confidential Schedule 11 – Rates Comparison Matrix Schedule 12 – Hourly rates for Labour & Equipment

The Committee recommendation to the Council for this report was resolved by the Works and Urban Development Committee at its meeting held on 6 September 2016.

The Committee recommendation to the Council is the same as that recommended by the Officers.

The City of Perth has installed Christmas decorations throughout the city for more than 40 years. Over time, a suite of decorations has been developed for the City of Perth varying from large intersection and catenary decorations suspended over roadways to smaller decorations on buildings and structures, light poles and lights in trees.

The proposed works in Tender No. 017-16/17 includes the supply of all materials, labour, plant, tools, services and the execution of all activities necessary to collect, transport, install, electrically connect, test, dismantle and return of decorations to the City of Perth's storage facility over a period of three years.

Tenders were advertised on Wednesday, 16 July 2016 and closed on Tuesday, 2 August 2016.

The basis of the tender is to enter into a three year Installation, Maintenance & Dismantle of the City's annual Christmas Decorations program according to the lump sum rates and hourly rates for maintenance and testing works as tendered:

LEGISLATION / STRATEGIC PLAN / POLICY:

Legislation	Section 3.57 of the <i>Local Government Act 1995</i> Part 4 of the <i>Local Government (Functions and General) Regulations 1996</i>
--------------------	--

Integrated Planning and Reporting Framework Implications Policy	Strategic Community Plan Council Four Year Priorities: Perth as a Capital City S5 Increased place activation and use of under-utilised space
--	---

Policy No and Name: 9.7 - Purchasing

DETAILS:

At the close of tenders on Tuesday, 2 August 2016 five submissions were received as follows:

1. Watway Pty Ltd and Advanced West Electrical Pty Ltd ATF The Trustee for Advance West Electrical Trust.
2. Suncourt Pty Ltd ATF B&M Unit Trust T/A High Speed Electrics.
3. Hender Lee Electrical Contractors Pty Ltd.
4. Gilmore Global Pty Ltd T/A Happy Excavations.
5. Duratec Australia Pty Ltd.

The prices tendered relate to all existing decorations (excluding the old Barrack Street decorations) and 15 new Barrack Street Light pole mounted decorations. Any additional decorations developed during the contract period are subject to quotations being obtained from the successful tenderer and other contractors. Similarly any decorations that are no longer required to be installed are deleted and the contract sum reduced. Should one or more of a suite of decorations not be installed, the contract is also reduced as per Confidential Schedule 11.

The tender specification also requests for work to be carried out on the repair and refurbishment of decorations each year which is charged at hourly rates. The hourly rates for labour and plant hire are detailed in the attached Schedule 12.

Compliance with the tender requirements

All five tenders were assessed for compliance with the tender requirements. Watway Pty Ltd were highlighted as not complying with the General Conditions of Contract. Hender Lee Electrical Contractors Pty Ltd complied with the General Conditions of Contract but have made reference to exclusions on the Letter of Offer which has been provided as part of the tender submission. All the other tender submissions have been assessed as compliant with the General Conditions of Contract.

Qualitative Assessment against the Selection Criteria

The tender submissions were assessed against the following selection criteria:

- Capacity to complete works within specified time;
- Experience with similar works;
- Safety management; and
- Pricing.

Capacity to Complete works within specified time

The tender submissions from Watway Pty Ltd, Suncourt Pty Ltd, Hender Lee Electrical Contractors Pty Ltd and Duratec Australia Pty Ltd all received scores which reflected deficiencies, not meeting criterion and a lack of detail.

Gilmore Global Pty Ltd T/A Happy Excavations demonstrated a concise and detailed capacity to complete works within the specified time which included all details requested within the tender. This included a works prioritisation matrix and response plan, organisational background, affiliations, technical and management procedures. Gilmore Global Pty Ltd's background also covers electrical as well as major rigging which is considered to be well suited to the City of Perth's Christmas Decorations Install, Maintenance and Works program.

Experience with similar works

The tender submissions from Watway Pty Ltd, Hender Lee Electrical Contractors Pty Ltd and Duratec Australia Pty Ltd all received scores which reflected deficiencies, not meeting criterion and lacking detail.

Gilmore Global Pty Ltd and Suncourt Pty Ltd both demonstrated the appropriate experience with similar works in their submissions with the qualified and experienced personal to undertake the works as requested within the tender. Also, both these companies have previously completed allocated location areas of the annual City of Perth Christmas Decorations program over the last three years and therefore are considered to have demonstrated the appropriate experience.

Safety Management

The tender submissions from Watway Pty Ltd and Suncourt Pty Ltd both received scores which reflected deficiencies, not meeting criterion and lacking detail.

The Duratec Australia Pty Ltd tender submission is considered to have met this criteria.

Hender Lee Electrical Contractors Pty Ltd and Gilmore Global Pty Ltd provided detailed safety management procedures which included details requested within the tender. This included safety management practices, traffic management experience, quality management systems, staff qualifications / training and Lost Time Injury (LTI) records. Both companies demonstrated excellent previous track record for LTI. As this tender predominately involves night works to be performed at height and high risk, these two companies scored well and were considered suited for the tendered works.

Pricing

Tenderers were assessed against the pricing received for various decoration locations as requested in the tender form to assess value for money. The pricing is contained in attached Confidential Schedule 10. A formula was then applied to the overall company prices submitted which then produced a score.

The Qualitative Selection Criteria Evaluation Matrix then weighted these scores to rank the lowest to highest price. Overall Duratec Australia Pty Ltd scored the highest followed by Gilmore Global Pty Ltd. Hender Lee Electrical Contractors Pty Ltd had the highest pricing overall and therefore scored the lowest.

On completion of the qualitative assessment against the selection criteria, the five tenderers were ranked in the following order:

Order	Tenderer
1.	Gilmore Global Pty Ltd T/A Happy Excavations
2.	Suncourt Pty Ltd ATF B&M Unit Trust T/A High Speed Electrics
3.	Hender Lee Electrical Contractors Pty Ltd
4.	Watway Pty Ltd and Advanced West Electrical Pty Ltd ATF The Trustee for Advance West Electrical Trust
5.	Duratec Australia Pty Ltd

On completion of this assessment it was determined that the Gilmore Global Pty Ltd T/A Happy Excavations achieved the best overall value for money for the City of Perth.

Therefore Gilmore Global Pty Ltd is recommended as the preferred tenderer for the installation, maintenance and dismantling of Christmas Decorations in the following locations:

1. Location 1 – Perth Central, Murray Street Mall, Forrest Place;
2. Location 2 – Northbridge, East Perth, West Perth; and
3. Location 3 – Pine Trees (Council House & Victoria Gardens).

FINANCIAL IMPLICATIONS:

ACCOUNT NO:	CL 8115700
BUDGET ITEM:	Electrical Services/Christmas Decorations
BUDGET PAGE NUMBER:	Page 67
BUDGETED AMOUNT:	\$1,206,357.84
AMOUNT SPENT TO DATE:	\$ 44,151.53
PROPOSED COST:	\$ 360,787.00 (For 2016 only)
	\$ 60,000.00 (Estimated provisional amount to be paid as hourly rate)
BALANCE:	\$ 741,419.31

All figures quoted in this report are exclusive of GST.

COMMENTS:

After analysis of all the tender submissions, the assessment panel concluded that awarding this tender to the one principal company would have the following benefits for the City of Perth:

- Cost reduction in installing and dismantling of decorations from previous years' budget;
- The tender price includes 15 new pole decorations for Barrack Street;
- The estimated saving over three years is approximately \$250,000. However, this excludes the Bell Tower Star and substitutes the large Bethlehem Stars in Barrack Street with pole decorations;
- Efficiencies to be gained with only contract managing one contractor for these works who has demonstrated an increase in their resource availability to cope with all three locations;
- Improved communications with dealing with only one principal contractor;
- The selected tender also had previous experience with installation of City of Perth's decorations with no recorded safety incident; and
- The recommended tender was very competitively priced across all locations.

It is recommended to allocate one contractor to all three location areas for the City's three year Christmas Decorations installation, Maintenance and Dismantle program.

OTHER REPORTS

ITEM NO: 9

NEW LEASE – COLONNADE – 900 HAY STREET, PERTH

RECOMMENDATION:

(APPROVAL)

That Council:

- 1. approves the advertising under Section 3.58 of the Local Government Act 1995 of a proposed new lease over part colonnade Lot 104 Diagram 70798, 900 Hay Street, Perth to 900 Hay Street Pty Ltd under the terms and conditions shown in Schedule 13;***
- 2. in the event of no submissions being received, authorises the Chief Executive Officer to finalise the lease.***

BACKGROUND:

FILE REFERENCE:	P1019303-3
REPORTING UNIT:	Properties
RESPONSIBLE DIRECTORATE:	Construction and Maintenance
DATE:	21 July 2016
MAP / SCHEDULE:	Schedule 13 – Lease Terms and Conditions – 900 Hay Street Schedule 14 – Lease Site Plan – 900 Hay Street Schedule 15 – Leasable Area Plan – 900 Hay Street Schedule 16 – Proposed Floorplan – 900 Hay Street Schedule 17 – Artist impressions – 900 Hay Street

As a result of the Finance and Administration Committee meeting scheduled to be held on 13 September 2016 being cancelled, this item is presented directly to the Council for consideration.

A development application has been lodged with the City of Perth to build a 250 room hotel and three commercial shops development, subject to entering into a Lease with the City of Perth Colonnade. The ground level works incorporate building over part of the Colonnade Lot 104, 900 Hay Street, Perth, which is owned by the City.

The owners of the property at Lot 105, 900 Hay Street have requested the City consider granting a 15 year Lease Agreement with an Option for a further five years

over part of the Colonnade Lot 104, Hay Street, Perth, for the building and construction of the site to commence.

LEGISLATION / STRATEGIC PLAN / POLICY:

Legislation	Section 3.58 of the <i>Local Government Act 1995</i>
Integrated Planning and Reporting Framework Implications	Corporate Business Plan Council Four Year Priorities: Capable and Responsive Organisation S18 Strengthen the capacity of the organisation IP33 Consider and develop opportunities for revenue diversification

Policy

Policy No and Name: 6.5 – Hay Street – Colonnading

DETAILS:

The owner of Lot 105, 900 Hay Street is also a part owner of the Holiday Inn, who has a Lease with the City of Perth over the colonnade fronting the Holiday Inn.

Officers have met with the proposed lessee representatives and the lease agreement terms have been agreed subject to Council approval.

The lessee, 900 Hay Street Pty Ltd are currently finalising lease terms and conditions for the hotel operator (Mantra) and are seeking a lease agreement term of 15 years with an option for a further five years to match the hotel.

It is recommended that the City agrees to the terms and conditions of the proposed lease agreement, since the development application has found this to be of benefit to the city, as the site is located between two buildings of cultural heritage significance, the development will provide continuous and interactive building frontages, and increase the pedestrian shelters.

FINANCIAL IMPLICATIONS:

There is no income budget for this particular item.

The City holds a market rental valuation indicating a rental of \$31,300 per annum exclusive of GST. All ongoing costs are to be borne by the lessee.

COMMENTS:

It is recommended that Council approves the advertising for the intention to lease part Colonnade Lot 104, 900 Hay Street, Perth to 900 Hay Street Pty Ltd in accordance with the principal terms and conditions detailed in Schedule 13.

The proposal is supported and it will further enhance the vibrancy of the City.

ITEM NO: 10

EVENT SPONSORSHIP (PARTNERSHIP) – PERTH HERITAGE DAYS

RECOMMENDATION:

(APPROVAL)

That Council:

- 1. approves event sponsorship of \$100,000 (excluding GST) to Heritage Perth Inc. to present Heritage Perth Open Days on Saturday, 15 October and Sunday, 16 October 2016;***
- 2. notes that the event organisers will provide the following sponsorship benefits to the City of Perth;***
 - 2.1 the City of Perth to be acknowledged as the Principle sponsor of the event;***
 - 2.2 the event to be recognised as 'Perth Heritage Days, supported by the City of Perth';***
 - 2.3 the City of Perth crest to appear on all event programs (245,000) distributed through The West Australian and other outlets;***
 - 2.4 the City of Perth crest to appear on all printed materials for the event;***
 - 2.5 the City of Perth crest to appear on all advertisements for the event;***
 - 2.6 the City of Perth crest to appear on the event website with a hyperlink to the City of Perth website;***
 - 2.7 the support of the City of Perth to be acknowledged in all media for the event, including radio;***
 - 2.8 the support of the City of Perth to be acknowledged in the quarterly Heritage Perth newsletter;***
 - 2.9 an opportunity for the City of Perth to provide signage for the event;***

(Cont'd)

- 2.10 an opportunity for the City of Perth to provide input to the newspaper lift-out for the event (eg. for cross promotion of other campaigns or showcasing of City of Perth projects);**
- 2.11 Heritage Perth to provide image and video content for the event for use on City of Perth social media;**
- 2.12 the Lord Mayor or representative, to be invited to provide a message for the event program;**
- 3. a detailed acquittal report, including all media coverage obtained, by 20 January 2017.**

BACKGROUND:

FILE REFERENCE: P1032438-03
REPORTING UNIT: Business Support and Sponsorship
RESPONSIBLE DIRECTORATE: Economic Development and Activation
DATE: 9 August 2016
MAP / SCHEDULE: N/A

At the Marketing, Sponsorship and International Engagement Committee meeting held on 6 September 2016 the Officer Recommendation was deferred as follows:

That the Marketing, Sponsorship and International Engagement Committee defer consideration of the report titled Event Sponsorship (Partnership) – Perth Heritage Days, to enable Officers to investigate an alternative date for the event due to the proposed event taking place on the same weekend as Telethon Perth.

This report is submitted direct to Council due to limited time being available for the next Marketing, Sponsorship and International Engagement Committee to consider the matter. (Approval from Committee TRIM 160886/16)

Heritage Perth Inc. was established in 2005. The purpose of the organisation is to present the heritage of the city in a positive way. The organisation is partially funded by the City of Perth through a Partnership arrangement. Heritage Perth Inc. has been presenting Perth Heritage Days since 2009, with the City of Perth supporting it since that time.

Summary of Event:

Perth Heritage Days will be held on Saturday, 15 October and Sunday, 16 October 2016 from 9.00am to 4.00pm. The event will be held across significant spaces including parks, buildings, outdoor and historic locations within the city.

The event celebrates Perth's history, culture and architecture, both Indigenous and colonial, by allowing visitors free access to walks, tours, activities, properties and

places that are not usually open to the public, or would usually charge an entrance fee. All components of the event are free to the public to attend, and the event is family friendly.

The theme for Perth Heritage Days 2016 is "The way we worked". This theme will be showcased through exhibitions, guided walks, talks, presentations and workshops, and interactive music and drama presentations at relevant venues. High profile buildings such as Parliament House and Supreme Court are key locations for the event annually.

Organisers work closely with local media for promotion and advertising of the event. The event program is distributed through The West Australian newspaper in the lead-up to the event. The 2015 event received extensive media coverage on television and radio, as well as in press media and social media.

Perth Heritage Days aim to increase audience awareness, understanding and perception of Perth's heritage, to encourage people to explore the City, to increase the understanding of the importance of conservation and protection, and to increase the public's desire to protect the city's heritage.

Organisers expect an attendance of 35,000 over the event weekend.

The event is scheduled to take place on the same weekend as Telethon. Organisers have advised that the event has taken place on the Telethon weekend in previous years, as well as on Beaufort Street Festival Weekend, and this has not adversely effected the event's attendance. Organisers advise that anecdotal evidence suggests that the audience profile for Perth Heritage Days is different than that of those attending Telethon. The dates for Perth Heritage Days are usually set before the Telethon dates are announced.

Funding

The total cost of the event is \$176,000. Organisers have requested cash sponsorship of \$110,000 for the event (62.5% of the total cost of the event). Cash sponsorship of \$100,000 is recommended. This represents 56.82% of the total cost of the event.

Organisers are also seeking the following support for the event:-

Organisation	Amount	Confirmed/Unconfirmed?
Lotterywest	\$40,000	Unconfirmed
Department of Aboriginal Affairs	\$5,000	Unconfirmed
Perth Airport	\$5,000	Unconfirmed
State Heritage Office	\$7,000	Confirmed
Department of Culture and the Arts	\$10,000	Unconfirmed

The City of Perth has supported the event with funding since 2009. The following table shows the City's previous support for the event along with comments on the event attendance levels.

Year	Amount	Attendance	Comments
2009	\$40,000	6,000	One-day event
2010	\$60,000	17,500	Telethon Weekend
2011	\$60,000	29,000	Beaufort Street Festival Weekend
2012	\$70,000	51,000	Event included the Government House Diamond Jubilee and high attendance at Street Craft Market
2013	\$100,000	43,000	Beaufort Street Festival weekend. High attendance at street craft market
2014	\$100,000	23,000	Poor weather conditions
2015	\$100,000	30,000	Telethon weekend
2016 (requested) (recommended)	\$110,000 \$100,000	35,000	Telethon Weekend

The 2013 event saw an attendance peak due to the 150th Anniversary of Government House being included in the event.

Organisers advise that a reduction in the level of support from the City would significantly impact the event, reducing marketing budget and the number of events run as part of the event.

Sponsorship Comparison

Year / Event	Program	Amount	Attendance	Subsidy
City of Perth Opera in the Park	Arts and Cultural Sponsorship	\$155,000	20,970 including regional	\$7.39
Taste of Perth 2016	Event Sponsorship	\$104,245	15,000	\$6.95
Perth Heritage Days 2016 (requested) (recommended)	Event Sponsorship	\$110,000 \$100,000	35,000	\$3.14 \$2.86

LEGISLATION / STRATEGIC PLAN / POLICY:

Integrated Planning and Reporting Framework Implications

Strategic Community Plan

Council Four Year Priorities: Healthy and Active in Perth
S15 Reflect and celebrate the diversity of Perth

Policy

Policy No and Name: 18.8 - Provision of Sponsorship and Donations

DETAILS:

Acquittal

Whilst the event has been financially supported by the City of Perth since 2009, previous support for the event has been provided as annual partnership funding,

administered through the annual budget approval process, rather than via a formal sponsorship agreement.

The Arts, Culture and Heritage Unit and Business Support and Sponsorship Unit have been working together to review and standardise the processes and guidelines for our partnerships, sponsorships and grants. Heritage Perth is one of many organisations to benefit from the increased clarity and transparency of process this financial year. As such, 2016 will be the first year of a formal sponsorship arrangement for the event and therefore there is no previous sponsorship acquittal. However an event report from the 2015 event is available in the Elected Members Portal (TRIM 145086/16).

Eligibility for Sponsorship:

Criterion	Satisfied
The total value of the event exceeds the sponsorship requested.	Yes
The event takes place within a public space in the City.	Yes*

**the event makes usually private or pay-for-entry spaces publically accessible.*

Assessment of Application (Partnership):

1. Contribution of the event to the economy of the city.

The event will attract 35,000 people to the event over the weekend. REMPLAN economic modelling for this event shows that the event will generate an expected economic output of \$5.38 million. This is a return on investment for the recommended level of sponsorship of 1:54

2. Has a significant national or international profile or the potential to develop it.

As the State Capital, the city's history incorporates a large part of Western Australia's settled past. The event is a significant event for Western Australia; similar events are held in other Capital Cities around Australia. The event is promoted interstate and has the potential to grow in profile.

3. Contributes towards the achievement of one or more of the City's marketing objectives:

- to position the city as a city of regional and international significance;

Similar events are held in other Capital Cities in Australia. The event celebrates the city's history and heritage and helps to position the city as a city of regional and significance.

- to increase visitation to the city;

The event will increase visitation to the city with an estimated 35,000 expected to attend the event over the weekend.

- to increase economic investment in the city;

Economic modelling for the event shows a projected economic output of \$5.38 million.

- to create a vibrant, energetic 24 hour city.

The event will create vibrancy in the city and adds to the city's portfolio of events by celebrating its heritage and history, both Indigenous and colonial.

4. Preference will be given to events which provide free attendance.

The event is free to the public to attend.

5. Preference will be given to events which will be held exclusively in the city.

The event will be held exclusively in the city.

6. Benefits to be provided to the City of Perth

The benefits provided to the City of Perth are detailed in the recommendation section of this report.

Event Sponsorship Category:

- *Major Civic Partnership – Three to five years funding commitment, \$50,000, plus CPI;*
- *State and National – Three years funding commitment, less than \$50,000, plus CPI;*
- *Annual – Annual or historic funding, less than \$20,000; and*
- *Start-Up/One-Off – Once only funding, less than \$15,000.*

The applicant is considered eligible for event sponsorship under the Major Civic Partnership category, in accordance with Policy 18.8 – Provision of Sponsorship and Donations.

Classifications are indicative only and subject to annual consideration.

FINANCIAL IMPLICATIONS:

ACCOUNT NO:	9288 5000 7901
BUDGET ITEM:	Heritage Open Day
BUDGET PAGE NUMBER:	85
	BUDGET ITEM
BUDGETED AMOUNT:	\$100,000

AMOUNT SPENT TO DATE:	\$0
PROPOSED COST:	\$100,000
BALANCE:	\$0

All figures quoted in this report are exclusive of GST.

COMMENTS:

Perth Heritage Days are an annual event which offers public access to some of the city's most historically significant spaces and promotes Perth's heritage as an important social and economic asset. Cash sponsorship of \$100,000 (excluding GST) is recommended for the event.

It should be noted that the core objective of the event is not simply about high attendance numbers, but is about celebrating Perth's history, increasing public accessibility to Heritage spaces and increasing the public's understanding of the importance of conservation.

City of Perth Officers have identified synergies between Open House Perth, another City of Perth sponsored event, and Heritage Open Days and have begun discussions with the event organisers about a collaborative approach to these events in 2017 and beyond.

ITEM NO: 11

PARTICIPATION IN 2016 NANJING MAYORS' FORUM

RECOMMENDATION:

(APPROVAL)

That Council:

- 1. approves attendance for an Elected Member and City Officer representative at the Mayors' Forum for the Nanjing World Historical and Cultural Cities Expo 2016 scheduled from 23 until 26 October 2016 in Nanjing, China; and***
- 2. notes that a report regarding participation in the forum will be submitted within two months after the trip.***

BACKGROUND:

FILE REFERENCE: P1014579-5
REPORTING UNIT: Economic Development
RESPONSIBLE DIRECTORATE: Economic Development & Activation
DATE: 5 September 2016
MAP / SCHEDULE: N/A

This report is submitted direct to Council due to limited time being available for the next Marketing, Sponsorship and International Engagement Committee to consider the matter.

The Lord Mayor has received an invitation from the Mayor of Nanjing Municipal People's Government to participate in a Mayors' Forum as part of the Nanjing World Historical and Cultural Cities Expo 2016 that will be held in Nanjing and run from 23 until 26 October 2016.

Nanjing and Perth have had a Sister City relationship since 1998. The partnership has been very successful since its inception and has facilitated mutually beneficial relationships between Perth and Nanjing in education, culture, sport, and tourism.

The capital city of the Jiangsu province, Nanjing, is the second largest city in the east China region with a population of 8.2 million. It is home to one of the world's largest inland ports and is a key transportation hub for the East coast of China. It is also the education centre for the Jiangsu Province boasting a number of high quality universities and research institutions. Several multinational firms have also established offices and research and development facilities in the city. Nanjing

experienced a local gross domestic product (GDP) growth rate of 9.2 per cent in 2015 and is expected to reach a GDP of AUD\$195 billion in 2016.

China is Western Australia's largest export market and largest import market, a two-way trade relationship that amounts to billions of dollars every year. Perth has an extremely active Chinese community, which holds the Nanjing-Perth Sister City relationship in very high regard.

LEGISLATION / STRATEGIC PLAN / POLICY:

Integrated Planning and Reporting Framework Implications

Corporate Business Plan

Council Four Year Priorities: Community Outcome

Perth as a Capital City

The City is recognised internationally as a city on the move and for its liveability, talented people and centres of excellence and business opportunities.

Policy

Policy No and Name: 11.3 – Sister City Relationships
12.7 – Staff Conference and Expenses

DETAILS:

On behalf of the Nanjing World Historical and Cultural Cities Expo 2016, the Mayor of Nanjing, Mr Miao Ruilin, has invited the Lord Mayor and a City representative to participate in a Mayors' Forum on 24 October 2016 in Nanjing, China.

The Lord Mayor has recommended that an Elected Member attend in her place. It is also recommended that a City of Perth representative attend to participate in working level meetings, discuss current and future projects with Nanjing counterparts, and follow-up on discussion points to operationalise actions for the City of Perth arising from the Forum.

The Mayors' Forum forms part of the Nanjing World Historical and Cultural Cities Expo 2016. This event will facilitate in-depth discussions about the balance between cultural heritage preservation and industry development. Key focus areas will include the development of cultural legacy protection, integration and innovation of non-tangible cultural heritage, and constructing cultural and ecological cities. Leaders of internationally renowned cities and world-class scholars have been invited to attend the event and address the audience.

Senior leaders from Malaysia, Indonesia, Japan, United States, Canada, Argentina, Bolivia, Greece, Russia, South Africa, and Zambia have confirmed their attendance.

Organisers believe that the event will not only provide a good opportunity for representatives from cities around the world to share their experiences but will facilitate the exploration of opportunities for potential international partnerships, enhance export opportunities for local business and improve collaboration.

FINANCIAL IMPLICATIONS:

Costs associated with the City's proposed attendance and participation in the Nanjing World Historical and Cultural Cities Expo 2016 are expected to be approximately \$6,000:

- Total airfares are expected to cost \$4,500; and
- Total accommodation costs are expected to be \$1,500.

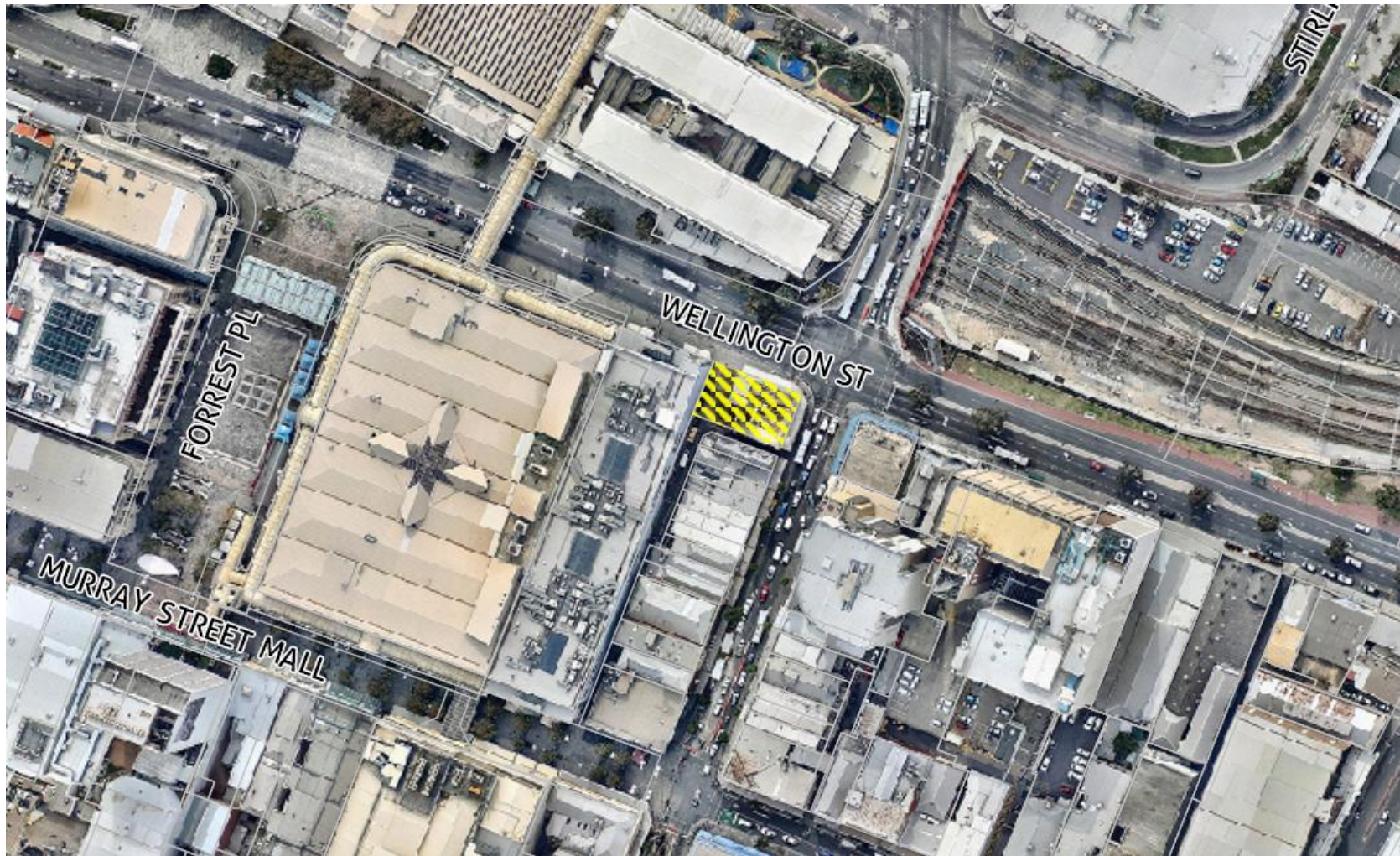
These costs will be met from the City's 2016-17 International Engagement budget.

COMMENTS:

Recognising the importance of the City's relationship with Nanjing and the need to facilitate engagement to support the relationship, it is recommended that the City accept this invitation and send an Elected Member and City of Perth Officer representative to participate in the Mayors' Forum for the Nanjing World Historical and Cultural Cities Expo 2016.

SCHEDULES
FOR THE COUNCIL
MEETING
TO BE HELD ON
20 SEPTEMBER 2016

SCHEDULE 1



SCHEDULE 1

2016/5179 145 - 151 (LOT 99) BARRACK STREET, PERTH



2016/5179 145 - 151 (LOT 99) BARRACK STREET, PERTH – PERSPECTIVES



2016/5179 145 - 151 (LOT 99) BARRACK STREET, PERTH - PERSPECTIVES



2016/5179 145 - 151 (LOT 99) BARRACK STREET, PERTH - PERSPECTIVES



2016/5179 145 - 151 (LOT 99) BARRACK STREET, PERTH - PERSPECTIVES



2016/5179 145 - 151 (LOT 99) BARRACK STREET, PERTH - PERSPECTIVES



2016/5179 145 - 151 (LOT 99) BARRACK STREET, PERTH - PERSPECTIVES



2016/5179 145 - 151 (LOT 99) BARRACK STREET, PERTH – PERSPECTIVES

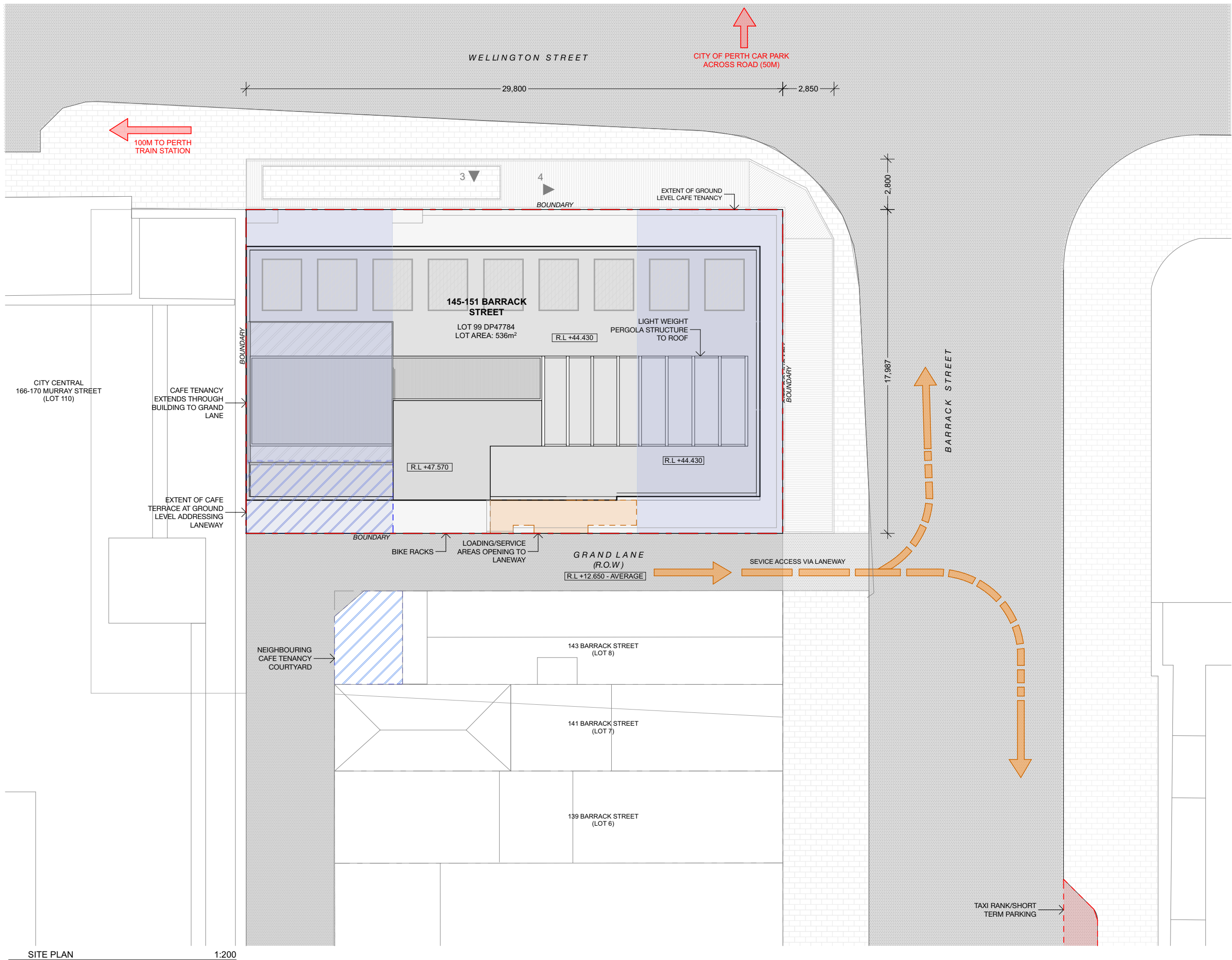


2016/5179 145 - 151 (LOT 99) BARRACK STREET, PERTH - PERSPECTIVES



2016/5179 145 - 151 (LOT 99) BARRACK STREET, PERTH - PERSPECTIVES

SCHEDULE 2



NOTES / LEGEND / MATERIAL

ISSUE	DATE	AMENDMENT	CHECKED
DA.1	05.05.16	DEVELOPMENT APPROVAL	KP
DA.2	13.07.16	AMENDMENT TO DA	KP
DA.3	02.09.16	AMENDMENT TO DA	KP

STATUS

DEVELOPMENT APPROVAL

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CLIENT

KAKULAS

HERITAGE ARCHITECT

PALASSIS
ARCHITECTS

LEVEL 1, 353 ROKEBY ROAD
SUBIACO 6008

T: 08 6489 0400
F: 08 9388 0733
E: email@palarc.com.au
W: www.palarc.com.au

ARCHITECTURE
HERITAGE

PROJECT	JOB NUMBER
BARRACK ST. HOTEL	2016002

ADDRESS

145-151 BARRACK STREET,
PERTH

NORTH POINT	SCALE @ A3
	AS SHOWN

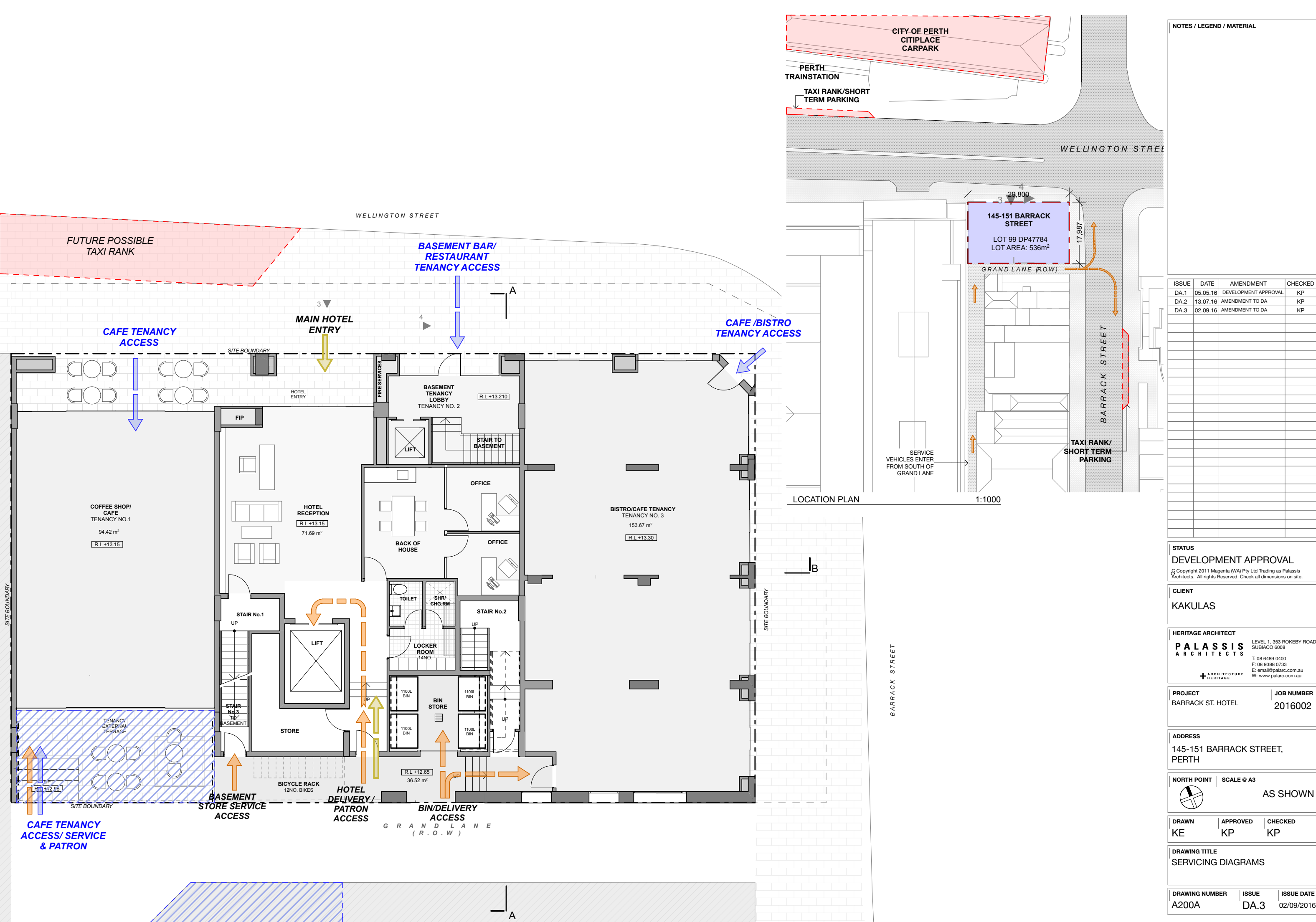
DRAWN	APPROVED	CHECKED
KE	KP	KP

DRAWING TITLE

SITE PLAN

DRAWING NUMBER	ISSUE	ISSUE DATE
A200	DA.3	02/09/2016

SCHEDULE 2



CONFIDENTIAL SCHEDULES 3 & 4
ITEM 5 – EVENT SPONSORSHIP (PARTNERSHIP) –
IFLSCIENCE FESTIVAL

FOR THE COUNCIL MEETING

20 SEPTEMBER 2016

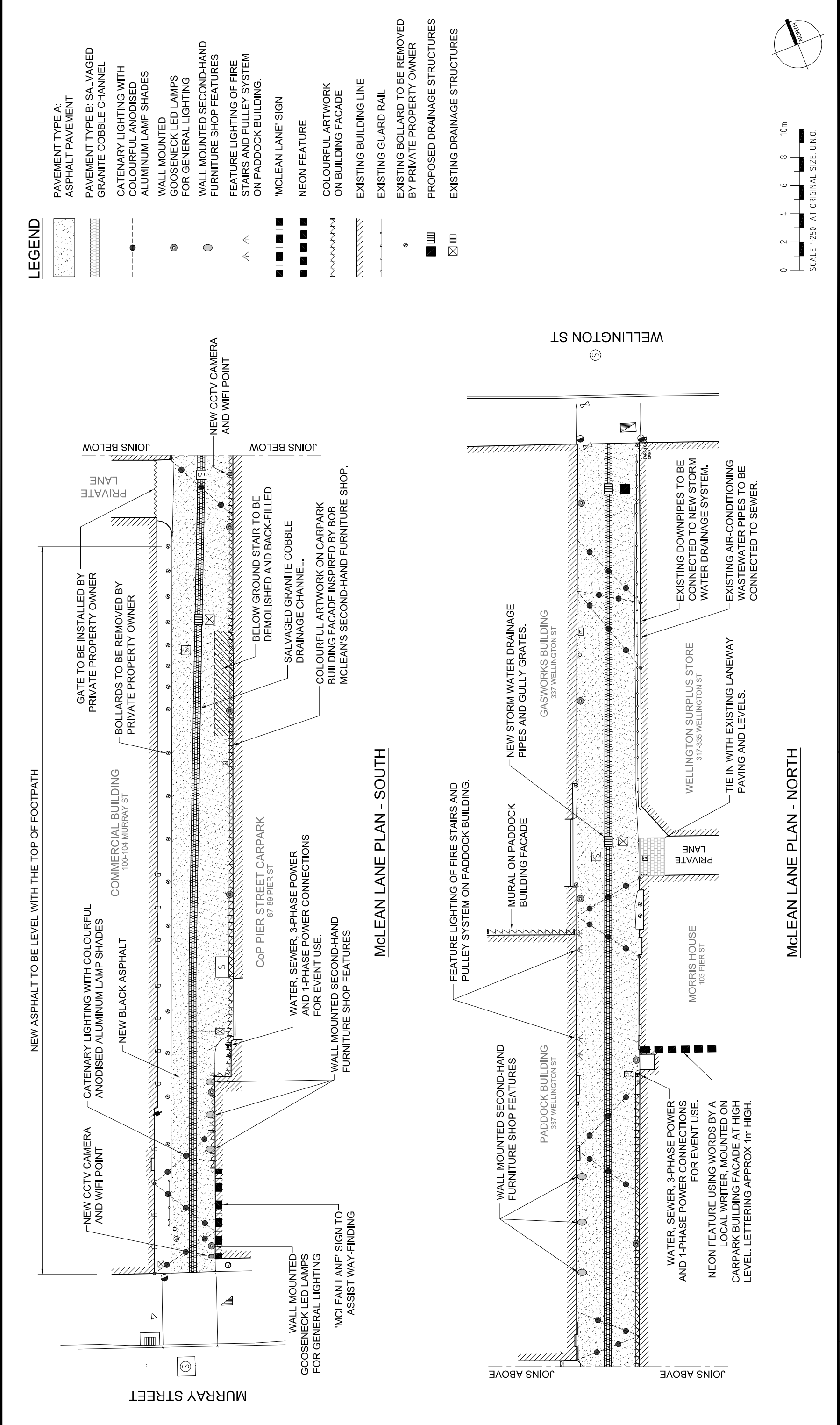
DISTRIBUTED TO ELECTED MEMBERS UNDER
SEPARATE COVER


McLean Draft Concept Design - Community Consultation

TRIM REF	DATE RECEIVED	RESIDENT / BUSINESS	COMMENTS	RESPONSE
		FULLY SUPPORTIVE		
1	15/04/2016	Ratepayer (type not specified)	<ul style="list-style-type: none"> Supports laneway enhancements Vast improvements have been made to other city laneways The enhancement will discourage littering and antisocial behaviour. 	Noted.
2	13/04/2016	Not specified	<ul style="list-style-type: none"> Fabulous, loves activated laneways with an urban vibe 	Noted.
3	23/04/2016	Not specified	<ul style="list-style-type: none"> Fantastic idea Will give the city character 	Noted.
4	22/04/2016	Resident	<ul style="list-style-type: none"> Excellent idea Will improve safety: lives very close to Maclean Lane and knows that laneways are problem areas Supports highlighting industrial heritage of the Gasworks and the Padlock Building Supports the idea of a cafe Supports local public art The proposal will add value to the East Perth precinct 	Noted.
		QUALIFIED SUPPORT		
5	13/04/2016	Not specified	<ul style="list-style-type: none"> Supports the proposal Requests greater development and diversity of businesses adjacent the lane Suggests incorporating a bike storage/repair facility in one of the buildings adjacent the lane Supports high quality paving Supports light installation Supports public art proposal Requests vegetation Supports signage/wayfinding 	<ul style="list-style-type: none"> The City anticipates that the laneway enhancement will encourage future development of adjacent private properties as did the upgrade of Grand Lane, Howard Lane and Wolf Lane. There is insufficient space, sunlight and irrigation to successfully incorporate vegetation in the laneway
6	26/04/2016	Business	<ul style="list-style-type: none"> Supports the proposal Requests that alfresco dining and events are subject to the same toilet facility requirements as restaurants in the City 	Noted.
7	20/04/2016	City worker	<ul style="list-style-type: none"> Supports the upgrade The original cobblestones once uncovered should be retained insitu 	<ul style="list-style-type: none"> The extent of the existing cobblestones beneath the asphalt is unknown. Preliminary investigations have indicated that they do not cover the full extent of the laneway. The existing cobblestone will be lifted and relayed in a central drainage channel.
8	N/A	Not specified	<ul style="list-style-type: none"> Public art should not glorify violence (Comment received via telephone) 	Noted.
		NOT SUPPORTIVE		
		OTHER		

Fully Supportive	4
Qualified Support	4
Not Supportive	0
Other	0

Total 8



THIS DWG & DESIGN IS SUBJECT TO COPYRIGHT AND MAY NOT BE REPRODUCED WITHOUT PRIOR WRITTEN CONSENT. CONTRACTORS TO VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK. REPORT ALL DISCREPANCIES TO PROJECT MANAGER PRIOR TO CONSTRUCTION. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DRAWINGS.		 CITY of PERTH COUNCIL HOUSE, 27-29 ST. GEORGE'S TERRACE, PERTH.		DRAWN S. Wilson DESIGNED C. Bell CIVIL ENG. S. Chutoorgoon PROJECT MGR. J. Chng		TRAFFIC ENG.	
				VAUGHAN JAMES - PRINCIPAL DESIGN ENG. COORDINATION & DESIGN			
				AMANDA MANNOLINI - A/MANAGER, COORDINATION & DESIGN			
				ISSUED FOR APPROVAL		RKS FILE No. P1032430 CAD REF: 16018-C-SK-18.dwg	
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DRAFT URBAN FOREST PLAN – COMMUNITY CONSULTATION

TRIM REF	DATE	STAKE HOLDER	SUPPORT		MAIN COMMENTS	CITY OF PERTH RESPONSE
			Y	N Neutral		
1 129751/16 & 118871/16	1/7/2016 & 23/06/16	Resident of East Perth	✓		<ul style="list-style-type: none"> Request replacement of existing trees in Old Belvidere Promenade and planting of new trees with potential to grow to be large trees with good levels of canopy cover. 	<ul style="list-style-type: none"> The issue of tree planting in Old Belvidere Promenade has been referred to Parks Unit as this is a current operational issue.
2 122609/16	12/07/16	Main Roads	✓		<ul style="list-style-type: none"> Consideration of and planning for the urban forest is appreciated and welcome and will have many benefits that Main Roads approves and supports. Published noise studies show that trees are not effective in noise reduction and this benefit should be removed from the plan with other benefits added such as soil stabilization. Include references to sustainable water management in water supply and management section along with potential Water Sensitive Urban Design (WSUD) solutions to meet water demand and stormwater management. Wider selection of photographs needed to show different landscapes trees can provide. Improve clarity of Figure 17 to include reference to hot spots and clearly indicate new tree planting numbers. Ensure new tree planting maintains clear sight distances and public safety. 	<ul style="list-style-type: none"> Reference to noise reduction benefit has been removed from the UFP. The UFP promotes a water sensitive approach to water management issues. It has been amended to provide further information on the issues and challenges faced with regard to future water supply and management. Goal 3 has also been amended to include information on the range of WSUD initiatives that will be pursued in the implementation of the UFP. Figure 17 has been removed. A wider range of photographs have been included in the Plan.

TRIM REF	DATE	STAKE HOLDER	SUPPORT			MAIN COMMENTS	CITY OF PERTH RESPONSE
			Y	N	Neutral		
3	12/26/16	14/07/16 Green Space Alliance (GSA) – <i>an alliance of a broad range of WA amenity horticulture industry bodies and aligned organisations incl. Parks and Leisure WA, Nursery and Garden Industry Association, Tree Guild WA & Turf Growers Assoc. WA</i>	✓			<ul style="list-style-type: none"> GSA submitted copy of their Position Statement and Discussion Paper in support of the UFP. GSA seeks to promote and protect green space in all its forms, including Urban Forests. Their Paper makes the following recommendations for local councils - researching quantity of green space and funding improvements, promoting awareness of value of WSUD and implementing transparent consultation processes. 	<ul style="list-style-type: none"> Content of the Position Statement and Discussion Paper has been noted. Goal 3 has also been amended to include information on the range of WSUD initiatives that will be pursued in the implementation of the UFP.
4	11/84/73/16	7/07/16 Department of Parks and Wildlife	✓			<ul style="list-style-type: none"> Supportive of the Plan and benefits it can provide. Habitat value of trees is well documented and should not be understated in Plan implementation. 	<ul style="list-style-type: none"> The issues of biodiversity, green corridors and the habitat value of trees will be further addressed in the City of Perth's proposed Biodiversity Study. More detail on the proposed scope of the Biodiversity Study has been included in Objective 6.3 of the UFP.

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5	12/23/2016	14/07/16 Member of Public	✓			<ul style="list-style-type: none"> Supportive of Plan. Believes the City's targets for future tree planting are too low. More than 450 trees will need to be planted for next four years to improve canopy cover. This number will only replace trees lost by natural attrition. City should measure mortality rate for new plantings and make this information public. 	<ul style="list-style-type: none"> Goal 4 of the UFP has been amended to provide a clearer canopy target and time frame. The proposed 450 trees refers to new tree planting in new planting sites only. Additional trees will be planted, above these 450, to replace trees that are at the end of their ULE (see Objective 2.1 of the UFP). Mortality rates will be recorded as part of the UFP implementation plan and monitoring framework, currently in development. Broader information on the urban forest will also be included on the City of Perth website as the implementation of the UFP progresses.
6	11/9656/16	14/07/16 Claire Brook Catchment Group	✓			<ul style="list-style-type: none"> Congratulates the City on undertaking the Plan. Standards to address imbalance in tree diversity are too simple and fail to take account of large number of tree species present in some families. Use of surface temperatures obtained by thermal imaging may be misleading as people interpret temperature as air temperature as this most directly affects personal comfort. More emphasis should be placed on planting native vegetation to 'Give Perth a Perth look', improve water quality, promote biodiversity and create linkages. 	<ul style="list-style-type: none"> The UFP has been amended to provide more information, justification and clarity around the tree diversity standards selected. The development of the UFP has been based on good practice and is evidence based. The street and parkland tree population is already heavily reliant on native species. Over 60% of trees are native. The issues of biodiversity, green corridors and the habitat value of trees will be further addressed in the City of Perth's proposed Biodiversity Study. More detail on the proposed scope of the Biodiversity Study has been included in Objective 6.3 of the UFP.

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7	12/22/2016	15/07/2016	✓			<ul style="list-style-type: none"> More information should be included on trees to be planted in the future and the full range of current tree species. Consider understorey planting as well as trees. 	<ul style="list-style-type: none"> The selection of tree species for planting will be guided by the 'right tree for the right place' philosophy. The City's Street Tree Framework will be updated to ensure tree species selected for planting align with the goals and objectives of the UFP. Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017.
		Department of Water				<ul style="list-style-type: none"> Commends City of Perth for the development of the UFP and supports the initiative. Notes that non-native trees do not provide significant stormwater run-off reductions, affect water quality due to excessive nutrient release associated with annual leaf drop, clog stormwater systems, require more water and change local habitat values. Changing climate should be considered in species selection. 	<ul style="list-style-type: none"> UFP continues to support the planting of both native and non-native species on the basis of the particular and differing qualities they both bring to the promotion of a resilient and healthy forest, improved canopy cover and shade, and the delivery of a range of community benefits. The selection of tree species for planting will be guided by the 'right tree for the right place' philosophy. The City's Street Tree Framework will be updated to ensure tree species selected for planting align with the goals and objectives of the UFP.

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						<ul style="list-style-type: none"> Right tree for right place should consider water sensitive outcomes and other liveability, resilience, productivity and sustainability outcomes. Goal 1 should include car park trees. Goal 3 should have a new objective to replace impervious surfaces with pervious surfaces to retain water in the landscape. Goal 4 should set an overall canopy target by a specific date. Goal 5 should include tree planting in car parks, plazas and public spaces to reduce hot spots. Goal 6 does not explain the standards to address imbalance in tree diversity which fail to take account of large number of tree species present in some families. Plan should state that no more London Planes should be planted so this species achieves the 10% target for species representation. Objective 6.3 should be expanded to include more information on the scope of proposed Biodiversity Study. 	<ul style="list-style-type: none"> Objective 7.7 of the UFP aims to improve the health of car park trees, which will help protect them. Goal 3 has been amended to include information on the range of WSUD initiatives that will be pursued in the implementation of the UFP. The UFP contains an objective regarding the use of pervious surfaces. Goal 4 of the UFP has been amended to provide a clearer canopy target and time frame. Additional information is provided on the range of new planting opportunities that will be pursued in the implementation of the UFP. More detail on the proposed scope of the Biodiversity Study has been included in Objective 6.3 of the UFP.

TRIM REF	DATE	STAKE HOLDER	SUPPORT			MAIN COMMENTS	CITY OF PERTH RESPONSE
			Y	N	Neutral		
8 122245/16	15/07/16	Office of the Government Architect (OGA)	✓			<ul style="list-style-type: none"> OGA recognises the importance of the Urban Forest and commends the depth of research and clarity and graphic presentation of the report. Supports recommendation to improve tree valuation methodology. Support strategic and proactive approach to urban forest management. Canopy cover target should be made clearer and deadline set -current target is too low. <p>Plan should consider the following;</p> <ul style="list-style-type: none"> other types of urban forest planting – green roofs and other green infrastructure. Facilitate development of Green Infrastructure (GI) through planning approvals process. how urban ecology can be improved. how the Plan links to other activities in pursuit of City's sustainability and liveability objectives. Plan could inform a city wide landscape design strategy. Interact and promote links with other relevant research organisations and key findings. Establish ongoing and regular monitoring. Explain exclusion of Kings Park from the UFP. 	<ul style="list-style-type: none"> Goal 4 of the UFP has been amended to provide a clearer canopy target and time frame. Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017. The issues of urban ecology will be further addressed in the City of Perth's proposed Biodiversity Study. More detail on the proposed scope of the Biodiversity Study has been included in Objective 6.3 of the UFP. Stage Two of the UFP will address trees on private property. Stage Two is scheduled for completion in 2017. Goal 8 has been amended to include an objective on collaboration with other research organisations and agencies. The UFP implementation and monitoring framework will be used to track and report on progress in achieving the UFP goals and objectives on an annual basis. The UFP has been amended to include an explanation on the exclusion of Kings Park under 'Plan Area'.

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9 120556/16	15/07/16	Planning Institute Australia – WA	✓			<ul style="list-style-type: none"> Express overall support for the draft UFP as a positive step towards addressing contemporary issues facing urban environments. Supports objective for balanced approach to providing both native and non-native trees. Tree valuations (i-Tree Eco or similar) should inform tree selection process. Include section on elements of green infrastructure and reference new technologies such as structural planting cells. Goals and implementation plan should come first in the Plan's structure. Maintenance costs should be balanced with long term benefits and indicative budgets included. Alternative water collection methods should be referenced in the Plan. Information on how GI will be addressed in the future should be included in the Plan's Goals and Objectives section. 	<ul style="list-style-type: none"> The selection of tree species for planting will be guided by the 'right tree for the right place' philosophy. The City's Street Tree Framework will be updated to ensure tree species selected for planting align with the goals and objectives of the UFP. Comments on tree valuations are noted. Comments on the UFP report structure are noted. Project costs and budgets will be included in the UFP implementation plan. The UFP promotes a water sensitive approach to water management issues. It has been amended to provide further information on the issues and challenges faced with regard to future water supply and management. Goal 3 has also been amended to include information on the range of WSUD initiatives that will be pursued in the implementation of the UFP. Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017.

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10 122241/16	15/07/16	Kings Park and Botanic Gardens (BGPA)	✓			<ul style="list-style-type: none"> Strongly supports the concept of an urban forest and congratulates this City on this initiative. Implementation should address suitable species selection, stock quality and planting site preparation. Encourage planting of WA native trees in parklands and wide medians more so than high density built environment. Recommends new trees are contract grown. Supports the use of modular cells. Tree trials should have scientific rigor. Consider engagement of a qualified Arborist as part of City's Parks team. Review planting priorities to achieve balance between hot spot and non hot spot areas to improve success of new tree planting. Opportunity for City to work with BGPA and share in tree selection and growing expertise. 	<ul style="list-style-type: none"> Measures to ensure stock quality, appropriate site preparation will be addressed in the implementation of Objective 7.5. Broader tree management issues will also be included in the review of the City's Street Tree Framework. The selection of tree species for planting will be guided by the 'right tree for the right place' philosophy. The City's Street Tree Framework will be updated to ensure tree species selected for planting align with the goals and objectives of the UFP. Comments on contract growing are noted. Support for the use of modular cells is noted and addressed in Objective 7.6 of the UFP. 'Hot-spots' have been selected as priority areas for planting to reflect the important role the UFP has to play in helping to cool the City. Comments on reviewing planting priorities are noted. Suggestion regarding engagement of a qualified Arborist is noted. The City welcomes the opportunity to work with BGPA and share in their expertise on the issues raised. Goal 8 has been amended to include an objective on collaboration with other research organisations and agencies.

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			Y	N	Neutral		
11	118868/16	24/06/16	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
12	118867/16	28/06/16	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Plant trees everywhere possible. 	<ul style="list-style-type: none"> The UFP aims to increase the level of canopy cover within the City by pursuing a wide range of possible opportunities for new tree planting.
13	118861/16	30/06/16	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Create green bus stops. Make it compulsory for new development in the CBD to have a set percentage of green space at street level. Encourage green spaces on tops of buildings. Plant trees in St Georges/Adelaide Toe median if possible. 	<ul style="list-style-type: none"> Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017. Stage Two of the UFP will address trees on private property. Stage Two is scheduled for completion in 2017.
14	118863/16	30/06/16	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.

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			Y	N	Neutral		
15	118859/16	1/07/16	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Vision should include reference to biodiversity. Canopy cover targets should be set higher. 	<ul style="list-style-type: none"> Biodiversity has been added to the vision. Goal 4 of the UFP has been amended to provide a clearer canopy target and time frame.
16	118855/16	4/07/16	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
17	118857/16	4/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Plant more trees on Wellington Street east of Barrack to provide shade and reduce noise. Plant trees on Mounts Bay Road to create linear park and exercise space. Ensure trees and lighting are managed together to promote adequate levels of light and sense of safety. 	<ul style="list-style-type: none"> Suggestions for additional tree planting will be considered in the development of new tree planting plans to be developed as part of Objective 4.1 of the Urban Forest Plan. The management of trees and lighting infrastructure will be addressed in the development of the City's Lighting Masterplan and Good Practice Guide and the review of the Street Tree Framework.
18	118872/16	6/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
19	118853/16	6/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.

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20	118851/16	6/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
21	118850/16	7/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision but should include reference to biodiversity and importance of a diverse urban forest. City of Perth should collaborate with other major Australian cities. An urban forest network should be established to share knowledge and expertise. Canopy cover targets should be more ambitious and promote canopy growth in the short term. More transparency and stronger public engagement should be incorporated in plan finalisation and implementation. 	<ul style="list-style-type: none"> Biodiversity has been added to the vision. The development of the UFP has drawn on the knowledge and experience of other capital cities, including the outcomes of the Urban Forest Masterclass hosted by the City of Melbourne and the "How to Grow an Urban Forest" guidance document. Goal 8 has been amended to include an objective on collaboration with other research organisations and agencies. Goal 4 of the UFP has been amended to provide a clearer canopy target and time frame. The development of the UFP has and will continue to include processes of public consultation and engagement.

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22	11884/8/16	8/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Vision should include reference to encouraging native birdlife. Tree planting should support endangered bird species particularly Carnaby Cockatoos – City should liaise with conservation groups. Urban forest should mainly consist of native species to encourage native wildlife and reflect the City's Australian character. 	<ul style="list-style-type: none"> Biodiversity has been added to the vision. The issues of biodiversity, green corridors and the habitat value of trees will be further addressed in the City of Perth's proposed Biodiversity Study. More detail on the proposed scope of the Biodiversity Study has been included in Objective 6.3 of the UFP. Non-native trees can also provide habitat for native fauna (eg Liquidambar, Cape Lilacs, Pinaster Pine and Stone Pine provide for Carnaby's Black Cockatoo as referenced in the UFP). UFP continues to support the planting of both native and non-native species on the basis of the particular and differing qualities they both bring to the promotion of a resilient and healthy forest, improved canopy cover and shade, and the delivery of a range of community benefits.
23	11884/3/16	9/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Create a little forest in the centre of town. 	<ul style="list-style-type: none"> The UFP aims to increase the level of canopy cover within the City. Comments on "a little forest within the centre of town" are noted. Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017.

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24	118846/16	8/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
25	118842/16	9/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
26	118839/16	9/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Vision focuses on canopy coverage only, should consider habitat corridors and water capture and reuse, microclimate creation and food production. Plan can educate and empower community and change mindsets. Urban orchard is an example and can be expanded as part of the overall urban forest project. 	<ul style="list-style-type: none"> Biodiversity has been added to the vision. Goal 9 of the UFP aims to raise community awareness and appreciation of the Urban Forest. Comments on success of urban orchard are noted. Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017.

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27	118837/16	10/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Work with environmental experts to plant bird attracting trees. Involve the community in planting and caring of trees. Promote tree festivals like Jacaranda festival in Applecross. Plant trees on roof tops. Enforce requirement that all new development plants trees. Elizabeth Quay, Forest Place and areas with large expanses of concrete all require more tree planting. 	<ul style="list-style-type: none"> The issues of biodiversity, green corridors and the habitat value of trees will be further addressed in the City of Perth's proposed Biodiversity Study. More detail on the proposed scope of the Biodiversity Study has been included in Objective 6.3 of the UFP. Goal 9 of the UFP aims to raise community awareness and appreciation of the Urban Forest. Stage Two of the UFP will address trees on private property. Stage Two is scheduled for completion in 2017.
28	118835/16	10/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Plant local trees as default and introduces species only if predetermined criteria are met. Local trees provide habitat & shade protection year round. 	<ul style="list-style-type: none"> UFP continues to support the planting of both native and non-native species on the basis of the particular and differing qualities they both bring to the promotion of a resilient and healthy forest, improved canopy cover and shade, and the delivery of a range of community benefits.
29	118834/16	10/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Include flowering trees and edible plants. Garden at Art Gallery is great idea. Incorporate flower planting in public spaces. 	<ul style="list-style-type: none"> Comments on additional planting elements are noted. Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017.

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30	118833/16	11/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Engage surrounding local governments to support the Plan vision. Introduce different trees to streets and laneways. Encourage young people and children to become involved in planting and tree maintenance. 	<ul style="list-style-type: none"> Comments on new tree planting are noted. Town councils surrounding the City have been invited to comment on the UFP. The UFP aims to increase the level of canopy cover within the City by pursuing a wide range of possible opportunities for new tree planting. Goal 9 of the UFP aims to raise community awareness and appreciation of the Urban Forest.
31	118832/16	11/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
32	118831/16	12/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Revitalise bushland (trees and understorey) and its inhabitants – insects, mammals and reptiles. Retain old trees to provide habitat. 	<ul style="list-style-type: none"> The City has limited areas of bushland. Issues relating to biodiversity, green corridors and the habitat value of trees will be further addressed in the City of Perth's proposed Biodiversity Study. More detail on the proposed scope of the Biodiversity Study has been included in Objective 6.3 of the UFP. Objective 1.5 proposes the development and implementation of a strategy to retain and value 'veteran' trees.
33	118830/16	12/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Plan implementation should bring nature into the city; lessen radiant heat from concrete and buildings, clean water before recharging ground water. 	<ul style="list-style-type: none"> Issues relating to biodiversity, green corridors and the habitat value of trees will be further addressed in the City of Perth's proposed Biodiversity Study. More detail on the proposed scope of the Biodiversity Study has been included in Objective 6.3 of the UFP. Cooling the city and improving water quality are addressed in the UFP.

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			Y	N	Neutral		
34	118829/16	12/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Supports Plan as evidence of commitment to City's green future. Greater representation of native trees needed. Private enterprise should be encouraged to increase canopy cover. Phase out extensive areas of lawn which are resource heavy. Tree planting should consider safety and security in parks and maintain levels of visibility. 	<ul style="list-style-type: none"> UFP continues to support the planting of both native and non-native species on the basis of the particular and differing qualities they both bring to the promotion of a resilient and healthy forest, improved canopy cover and shade, and the delivery of a range of community benefits. Stage Two of the UFP will address trees on private property. Stage Two is scheduled for completion in 2017. Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017. Comments on tree planting and safety and security are noted.
35	118827/16	12/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Vision should focus on provision of WA Indigenous food sources for all. Develop program to engage local Indigenous people, prioritise strong roles for elder participation, educate future generations and prioritise cross cultural community education programs. 	<ul style="list-style-type: none"> The Department of Aboriginal Affairs has been consulted and provided comment on the UFP.
36	118826/16	12/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Develop educational presentations and fact sheets. 	<ul style="list-style-type: none"> Goal 9 of the UFP aims to raise community awareness and appreciation of the Urban Forest.

TRIM REF	DATE	STAKE HOLDER	SUPPORT			MAIN COMMENTS	CITY OF PERTH RESPONSE
			Y	N	Neutral		
37 118823/16	1/07/2016	Public comment through Engage Perth	✓			<ul style="list-style-type: none"> Supports vision. Continue to add to number and extent of trees in City. 	<ul style="list-style-type: none"> Increasing canopy cover within the city is a key objective of the UFP.
38 118370/16	12/07/2016	Public comment through Engage Perth	✓			<ul style="list-style-type: none"> Supports vision. Set up areas for children's play, nature playgrounds and whimsical areas that inspire people – don't just plant trees for shade. Prohibit use of pesticides and Glyphosate. Incorporate fruit trees and community garden to promote healthy, sustainable food choices for community. 	<ul style="list-style-type: none"> Suggestions for additional planted elements are noted. Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017. The issue of pesticide use will be addressed as part of the implementation of Objective 7.5.
39 118821/16	12/07/2016	Public comment through Engage Perth	✓			<ul style="list-style-type: none"> Supports vision. Promote physical activity and encourage people to get outside. 	<ul style="list-style-type: none"> Promoting physical activity and health is included as a key driver for the development of the UFP.

TRIM REF	DATE	STAKE HOLDER	SUPPORT			MAIN COMMENTS	CITY OF PERTH RESPONSE
			Y	N	Neutral		
40	119620/16	13/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Provide incentives for residents to adopt a tree. Provide incentives for home owners to provide green space. Provide incentive for developers to provide % of green space. Ban artificial turf, encourage other options. Donate trees to private owners for roof top venues. Provide movable planter boxes and roving installation. Plant trees in hubs on Langley Park, maintaining event space. 	<ul style="list-style-type: none"> Stage Two of the UFP will address trees on private property. Stage Two is scheduled for completion in 2017. Suggestions for additional plantings are noted. Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017.
41	119622/16	13/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Protect dying or poisoned trees. 	<ul style="list-style-type: none"> Issue around tree care will be addressed as part of the implementation of Objective 7.5 of the UFP.
42	119623/16	14/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Include reference to Aboriginal knowledge in landscaping and design of forest. Design urban forest to improve social interaction by including gathering spaces and create picturesque views. Use native plant in shrubs and ground cover, introducing colour. Supports vision. 	<ul style="list-style-type: none"> The Department of Aboriginal Affairs has been consulted and provided comment on the UFP. The promotion of attractive and inviting public spaces is a key driver in the development of the UFP.
43	119624/16	14/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.

TRIM REF	DATE	STAKE HOLDER	SUPPORT			MAIN COMMENTS	CITY OF PERTH RESPONSE
			Y	N	Neutral		
44	120523/16	14/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Place greater emphasis on green roofs. 	<ul style="list-style-type: none"> Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017.
45	120525/16	14/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
46	120527/16	14/07/16	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Cross reference with Green Space Alliance WA Discussion Paper. Consider inclusion of turf and range of benefits it offers including promotion of urban cooling and energy reduction. 	<ul style="list-style-type: none"> Reference to GSA Discussion Paper noted. Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017.
47	120530/16	14/07/16	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Mandate replacement of every tree removed with a 250 litre tree size as minimum. Hope City of Perth has courage to demand implementation and mandate action. 	<ul style="list-style-type: none"> The UFP has been amended to provide additional information on tree size.

TRIM REF	DATE	STAKE HOLDER	SUPPORT			MAIN COMMENTS	CITY OF PERTH RESPONSE
			Y	N	Neutral		
48	120533/16	14/07/16	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision – add strong focus on WA natives and endemic plants. Tree selection should take account of maintenance costs. Shade trees need to be carefully selected to produce canopy but protect water use and understorey growth. 	<ul style="list-style-type: none"> UFP continues to support the planting of both native and non-native species on the basis of the particular and differing qualities they both bring to the promotion of a resilient and healthy forest, improved canopy cover and shade, and the delivery of a range of community benefits. The selection of tree species for planting will be guided by the 'right tree for the right place' philosophy. The City's Street Tree Framework will be updated to ensure tree species selected for planting align with the goals and objectives of the UFP.
49	120534/16	14/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
50	120536/16	14/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Offer support of Green Space Alliance in Plan development. Include roof gardens, vertical gardens, and recreational green spaces. Encourage more greenery in the city by setting up requirements/incentives for buildings to provide 100% of land space in living green cover. 	<ul style="list-style-type: none"> Stage Two of the UFP will address trees on private property. Stage Two is scheduled for completion in 2017. Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017.
51	120537/16	14/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision and plan as a major step forward. Include London Planes in median of Wellington Street (between William and Elder Streets) to create arching canopy, boulevard and unique precinct. 	<ul style="list-style-type: none"> Wellington Street upgrade will be completed in late 2017 and includes tree planting in the median.

TRIM REF	DATE	STAKE HOLDER	SUPPORT			MAIN COMMENTS	CITY OF PERTH RESPONSE
			Y	N	Neutral		
52	120543/16	14/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Plant more trees on Wellington, William and Roe Streets. Space trees well. Select tree species that will provide ample shade. 	<ul style="list-style-type: none"> Suggestions for additional tree planting are noted. The UFP has been amended to provide additional information on tree spacing. The selection of tree species for planting will be guided by the 'right tree for the right place' philosophy. The City's Street Tree Framework will be updated to ensure tree species selected for planting align with the goals and objectives of the UFP.
53	120545/16	14/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
54	120552/16	14/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision but reference biodiversity and habitat. 	<ul style="list-style-type: none"> Biodiversity has been added to vision.
55	120553/16	14/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Integrate green and blue space and reuse water. Include sports facilities. Integrate community involvement Adopt low tech easy to use and maintain green space. 	<ul style="list-style-type: none"> The UFP promotes a water sensitive approach to water management issues. It has been amended to provide further information on the issues and challenges faced with regard to future water supply and management. Goal 3 has also been amended to include information on the range of WSUD initiatives that will be pursued in the implementation of the UFP. Goal 9 of the UFP aims to raise community awareness and appreciation of the Urban Forest.

TRIM REF	DATE	STAKE HOLDER	SUPPORT			MAIN COMMENTS	CITY OF PERTH RESPONSE
			Y	N	Neutral		
56	122301/16	14/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
57	122297/16	14/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Change planning laws to prohibit removal of mature and healthy trees by developers – create a tree register. Perth and its suburbs are ugly, barren and hot. Building setbacks and residential should allow for large trees, green space between buildings and common gardens. Develop public nurseries and free trees. Promote growth of tree canopies over streets and reduce tree lopping. Focus on education / training to reduce fear of trees and promote benefits. Encourage public participation in public planting days. 	<ul style="list-style-type: none"> Goal 1 of the UFP focuses on the protection of existing trees. Stage Two of the UFP will address trees on private property. Stage Two is scheduled for completion in 2017. The creation of connected canopy is a key concern of the UFP. The Plan has been amended to include additional information on the importance of canopy cover levels and quality. Goal 9 of the UFP aims to raise community awareness and appreciation of the Urban Forest.
58	122295/16	15/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision but have more a focus on climate change. Place interpretative signage on key species. Create a green urban forest education centre in the city. 	<ul style="list-style-type: none"> Managing the impacts of climate change is a key driver of the UFP and the plan has been amended to include additional information on this issue. Goal 9 of the UFP aims to raise community awareness and appreciation of the Urban Forest.
59	122289/16	15/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision with focus on more trees. Create avenues – tree lined streets with symmetry. 	<ul style="list-style-type: none"> The vision currently emphasises the need to optimise canopy cover. Comments on avenue planting are noted.

TRIM REF	DATE	STAKE HOLDER	SUPPORT			MAIN COMMENTS	CITY OF PERTH RESPONSE
			Y	N	Neutral		
60	122280/16	15/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
61	122277/16	15/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
62	122273/16	15/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
63	122270/16	15/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. 	<ul style="list-style-type: none"> Noted.
64	122263/16	15/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Set a canopy density target and action plan. Increase tree planting density. Identify grey areas suitable for planting. 	<ul style="list-style-type: none"> Goal 4 of the UFP has been amended to provide a clearer canopy target and time frame. The Plan has been amended to include additional information on the importance of canopy cover levels and quality and the issue of tree spacing.

TRIM REF	DATE	STAKE HOLDER	SUPPORT			MAIN COMMENTS	CITY OF PERTH RESPONSE
			Y	N	Neutral		
65	122259/16	15/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Plant more trees and shrubs and add into existing subdivisions. Parks and gardens should have more trees less lawn. Use grey water for watering street and park trees to promote faster growth. 	<ul style="list-style-type: none"> Stage Two of the UFP will address trees on private property. Stage Two is scheduled for completion in 2017. The UFP promotes a water sensitive approach to water management issues. It has been amended to provide further information on the issues and challenges faced with regard to future water supply and management. Goal 3 has also been amended to include information on the range of WSUD initiatives that will be pursued in the implementation of the UFP.
66	122256/16	15/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Fully or partially convert area where the railway has been sunk into parklands. 	<ul style="list-style-type: none"> Suggestions for additional tree planting are noted and will be considered in the development of new tree planting plans to be developed as part of Objective 4.1 of the UFP.
67	122255/16	15/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision but focus on canopy cover limits the strategy's ability to address small and medium sized vegetation. Allow residents to sponsor a tree, with a plaque. 	<ul style="list-style-type: none"> Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017. Stage Two of the UFP will address trees on private property. Stage Two is scheduled for completion in 2017.

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68	122250/16	15/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports vision. Include summary at front of UFP. Vary photographs. Look at opportunities to plant more trees not more barriers as often put forward by planners and engineers. Reallocate water use from lawns to trees. Replace lawn with mix of water wise ground covers. 	<ul style="list-style-type: none"> An Executive Summary has been included at the front of the UFP. Comments on opportunities for new planting are noted and will be considered in the development of new tree planting plans. The UFP promotes a water sensitive approach to water management issues. It has been amended to provide further information on the issues and challenges faced with regard to future water supply and management. Goal 3 has also been amended to include information on the range of WSUD initiatives that will be pursued in the implementation of the UFP.
69	122234/16	15/07/2016	Public comment through Engage Perth	✓		<ul style="list-style-type: none"> Supports Vision - incorporate a range of methods other than canopy cover such as vertical gardens or living facades to provide insulation, lower energy use, absorb sound, and create a healthy environment. Cover large expanses of concrete in the city with vertical gardens (freeway supports and entrances, building facades) to promote these benefits. 	<ul style="list-style-type: none"> Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017.

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			Y	N	Neutral		
70	12/14/16	18/07/16	Member of Public	✓		<ul style="list-style-type: none"> Generally supports the goal to increase canopy cover, improve amenity and mitigate heat island effect. Selection of trees should be prioritised around functional considerations such as creation of safe spaces, human amenity and interest – great care should be exercised with any shift towards more native trees at the expense of shade trees. Plan makes no reference to Bushfire Prone Areas. Issue of Kings Park and QE2 Hospital should be considered in particular. 	<ul style="list-style-type: none"> The selection of tree species for planting will be guided by the 'right tree for the right place' philosophy. The Street Tree Framework will be updated to ensure tree species selected for planting align with the goals and objectives of the UFP. UFP continues to support the planting of both native and non-native species on the basis of the particular and differing qualities they both bring to the promotion of a resilient and healthy forest, improved canopy cover and shade, and the delivery of a range of community benefits. Consultation with DFES will continue as the UFP is implemented to ensure the issue of Bush Fire risk is addressed and managed appropriately.
71	12/07/16	Urban Bushland Council WA		✓		<ul style="list-style-type: none"> Commends City on Plan but key issues to be recognised and substantially modified. The City of Perth should recognise that Perth is a biodiversity hot spot and chose tree species that are local to the Perth region of the Swan Coastal Plain. Native trees should be also be planted because they promote biodiversity and habitat creation, give Perth a Perth look, provide a tourist attraction, require less fertiliser and summer water and provide shade. 	<ul style="list-style-type: none"> The issues of biodiversity, green corridors and the habitat value of trees will be further addressed in the City of Perth's proposed Biodiversity Study. More detail on the proposed scope of the Biodiversity Study has been included in Objective 6.3 of the UFP. UFP continues to support the planting of both native and non-native species on the basis of the particular and differing qualities they both bring to the promotion of a resilient and healthy forest, improved canopy cover and shade, and the delivery of a range of community benefits.

TRIM REF	DATE	STAKE HOLDER	SUPPORT			MAIN COMMENTS	CITY OF PERTH RESPONSE
			Y	N	Neutral		
72						<ul style="list-style-type: none"> Exotic trees should not be planted as they do not belong here, affect water quality, require more summer water, fail to provide habitat for native fauna. Tree species selection should be revised completely to promote local species and exclude exotic plants. Impact of allergies should also be considered. London Planes should be removed and gradually replaced due to allergy and catchment management issues. Promote removal of hard hot surfaces to promote urban cooling. 	<ul style="list-style-type: none"> Non-native trees can also provide habitat for native fauna (eg Liquidambar, Cape Lilacs and Pinaster Pine and Stone Pine provide for Camaby's Black Cockatoo as referenced in the UFP). The selection of tree species for planting will be guided by the 'right tree for the right place' philosophy. The City's Street Tree Framework will be updated to ensure tree species selected for planting align with the goals and objectives of the UFP. Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017.

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			Y	N	Neutral		
73	12004/4/16	15/07/16	City of Perth Ratepayer		✓	<ul style="list-style-type: none"> • Congratulate City on this Plan but concerned about current prioritisation of goals. • Suggest goals should be reordered as follows: <ol style="list-style-type: none"> 1. Protect existing trees. 2. Maintain tree health. 3. Increase canopy cover. 4. Prioritise tree planting to help cool public spaces and City 'hot-spots'. 5. Promote sustainable water management. 6. Promote balance and resilience in species composition. 7. Promote community engagement. 8. Implement a 'whole-of-forest' management approach. 9. Replace aging trees. • Replace aging trees should be placed last as tree removal is based on arbitrary decisions and preferences for particular trees rather than scientific evidence of decline or end of Useful Life Expectancy (ULE). • State wide model tree policy and law for protection of mature trees are of paramount importance and should be incorporated into UFP. • UFP ignores adverse effects of pesticides on tree health especially Glyphosate. UFP should prohibit this highly polluting practice. • Natural water retaining ground covers should be promoted and plastic turf on verges should be prohibited. 	<ul style="list-style-type: none"> • Comment on reordering priority of goals is noted. • The UFP has nominated trees for replacement based on a professional assessment of their ULE. • Comment on the need for a state-wide model tree policy and law is noted. • The issue of pesticide use will be addressed as part of the implementation of Objective 7.5 of the UFP. • Stage Three of the UFP will address elements of other vegetation that make up the urban forest (ie elements of green infrastructure including understorey planting, green roofs, green walls, living walls and raingardens) within both the public and private realm. Stage Three is scheduled for completion in 2017. • UFP continues to support the planting of both native and non-native species on the basis of the particular and differing qualities they both bring to the promotion of a resilient and healthy forest, improved canopy cover and shade, and the delivery of a range of community benefits.

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			Y	N	Neutral		
74	119/659/16	14/07/16				<ul style="list-style-type: none"> Planting native trees will help create a sense of place and identity, promote biodiversity. Advised that Department of Transport has no comment to provide. 	<ul style="list-style-type: none"> Noted.
75	124/396/16	19/07/16				<ul style="list-style-type: none"> UFP goals have the potential to impact on registered places containing mature trees. Strategy for the replacement of trees that have cultural significance should be included in the UFP. 	<ul style="list-style-type: none"> UFP contains a number of objectives that will address the issue managing, maintaining and replacing trees of cultural significance including the development of : <ul style="list-style-type: none"> management and maintenance plans for parks and public open spaces (Objective 8.5). management options and replacement strategies for those significant tree stands within the City that have a deteriorating structural condition. This will include the stands of London Planes currently included on the City of Perth City Planning Scheme No. 2 Register 1 (Objective 7.9); and a strategy to retain and value veteran trees (Objective 1.5).
76	123011/16	15/07/16				<ul style="list-style-type: none"> Recognises significance of project and notes the information provided. UFP provides DFES Operations portfolio with information to establish and implement Fire Emergency Strategy and Management Plans. 	<ul style="list-style-type: none"> Noted. Consultation with DFES will continue as the UFP is implemented.

TRIM REF	DATE	STAKE HOLDER	SUPPORT			MAIN COMMENTS	CITY OF PERTH RESPONSE
			Y	N	Neutral		
						<ul style="list-style-type: none"> Understands the staged approach to the plan and remains confident that the strategies adopted for operational effectiveness during the Plan's implementation are thorough and in line with community expectations. 	
77	122607/16	8/07/16			✓	<ul style="list-style-type: none"> Notes that the Urban Forest Plan involves presentation of green zones in the City – this is more consistent with the protection of Aboriginal heritage sites. Provided a list of Listed Sites under the Aboriginal Heritage Act 1972 that may be affected by new tree planting. Approval may be required under the Act. Details should be sent to the South West Aboriginal Land and Sea Council for comment. 	<ul style="list-style-type: none"> Noted.
78	122604/20 16	1/07/2016			✓	<ul style="list-style-type: none"> The submission lists Western Power's requirements for planning new planting or other works around Western Power Infrastructure. 	<ul style="list-style-type: none"> Noted.

TRIM REF	DATE	STAKE HOLDER	SUPPORT			MAIN COMMENTS	CITY OF PERTH RESPONSE
			Y	N	Neutral		
79 122266/16 & 120642/16	14/07/14 and 15/07/16	Member of Public		✓		<ul style="list-style-type: none"> UFP has been developed in isolation and ignorance of the threat that its implementation will pose to public safety with regard to bushfires. Bushfires in cities are not uncommon in the 21st Century. It is a primary function and obligation of local governments to ensure that effective Local Emergency Management Arrangements (LEMA) are prepared under s.36 of the Emergency Management (EM) Act. WESTPLAN FIRE requires Local Governments to implement a Bushfire Risk Management Plan. This should be endorsed by the City of Perth and form part of LEMA. There has been little or no public engagement in bushfire strategy, no BRMP, little planning for fire prevention and fuel reduction in the City of Perth. The Draft Urban Forest Plan should be abandoned and deficits in the LEMA attended to immediately. 	<ul style="list-style-type: none"> A map of Bushfire Prone Areas has been developed for the City of Perth. Applications for development in these areas are required to demonstrate that they have met the standards required to address the issue of Bushfire Risk appropriately. As part of the public consultation process on the Draft UFP, a copy was forwarded to DFES for comment. DFES have provided feedback on the draft UFP and have raised no major concerns. DFES noted that the draft UFP will provide the DFES Operations Portfolio with significant relevant information to establish and implement Fire Emergency Strategy and Management Plans. Consultation with DFES will continue as UFP is implemented, to ensure the issue of bush fire risk is considered appropriately and mapping is updated as required. The City of Perth is currently in the process of updating its LEMA and Bushfire Risk Management Plan. Relevant information from the UFP will be included and addressed in this review process, to ensure that any issues of public safety that may arise as a result of its implementation are addressed appropriately.



CITY of PERTH

URBAN FOREST

PLAN

2016-2036



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Lord Mayor's Message



Across the world, more people are choosing to live in cities. This creates the need to pay closer attention to our urban environment.

With a focus on environmental sustainability and health, climate response, energy resilience, water sensitivity and consciousness our Urban Forest Plan aligns with the City's overarching Environment Strategy. The Strategy sets out our aspirations for Perth's environmentally sustainable future.

The City's green spaces, trees, plants and vegetation cool and soften our streets and public

spaces. Our green networks, including cycle ways and pedestrian paths, create opportunities for active and passive recreation, helping to improve community health and well-being.

The Urban Forest Plan provides direction for how our organisation will build upon these features and ensure Perth's natural environment is able to flourish and provide a high quality of life for all flora, fauna and people.

As a community, we have the opportunity to make major environmental changes that will benefit other generations in the years to come. Increasing levels of urbanisation and climate change require dedicated resources and management, and it is imperative that we make strategic decisions today to play a proactive role in planning for a more sustainable future.

Looking towards 2036, the City will embark on a series of ambitious tree planting plans that will help keep the City cool by increasing canopy cover. We will also foster innovation in sustainable water management and develop a wider network of green infrastructure.

This Plan will maximise our urban forest's long term health and resilience and ensure our organisation's policies and procedures meet best practice standards.

By sharing knowledge and providing information on the changing condition and level of benefits provided by our urban forest, the City will look to you, our community, to help make a difference to its future.

By working together we have the potential to create a valuable and enduring legacy by handing over a greener, more beautiful, healthy and resilient City for all who live, work and play within it.

A handwritten signature in black ink, reading 'Lisa M Scaffidi'.

Lisa M Scaffidi

Lord Mayor





Victoria Gardens - East Perth

Vision

The urban forest will be recognised and valued as an important asset and a key element of infrastructure, one that continues to deliver a range of benefits for our community's physical and mental well-being and the overall liveability, landscape character, biodiversity and climate resilience of our City.

The urban forest will be planned and managed in an integrated manner that above all optimises canopy cover and protects and promotes its sustainable growth, health and resilience in the face of continued urbanisation and climate change challenges.





Florence Hummerston Reserve – Perth

Executive Summary

The urban forest is a valuable asset and key element of city infrastructure which delivers a wide range of community benefits. Its collection of green spaces, trees and other vegetation help to improve city liveability and promote community health and well-being. The urban forest also contributes to the creation of a climate resilient city and helps improve overall environmental quality.

The City of Perth Urban Forest Plan is a strategic action plan that aims to promote the urban forest's long term health and resilience, despite the challenges it faces, and maximise the level of benefits delivered.

Using an evidence based approach the Plan sets out a clear vision for the urban forest. The vision will be achieved through the delivery of nine goals which focus on protecting the existing urban forest, promoting its sustainable expansion, adopting a strategic management approach and raising community awareness of the benefits it provides.

Improving canopy cover is a key focus of the Plan. Through a targeted program of new tree planting the City is aiming to increase the level of canopy cover within the public realm from 19 percent to 30 percent over a 30-year period. Canopy cover

will also be improved by protecting existing trees, replacing those that are aging and maintaining high levels of tree health.

Rising city temperatures resulting from climate change pose a significant risk to city liveability and community health. Harnessing the potential of the urban forest to help cool city 'hot-spots' is another important focus.

Ensuring a sustainable water supply for irrigation has emerged as a critical issue if the health and cooling benefits of the urban forest are to be maximised. The Plan recognises the importance of transitioning to a water sensitive city and promotes the use of water sensitive urban design in urban forest management.

The Urban Forest Plan will be supported by an implementation plan and monitoring framework which set priorities and measure progress in achieving the vision and goals.

The City of Perth Urban Forest Plan is being developed in three stages. This report represents Stage One and addresses street and parkland trees. Subsequent stages will address trees on private property and other elements of green

infrastructure. These are scheduled for completion in 2017.

The City of Perth Urban Forest Plan currently includes all land located within the City of Perth boundaries, with the following exclusions:

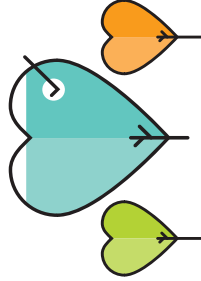
- Kings Park given its primary function as a botanic garden rather than an element of the urban forest. Including it would result in an inaccurate representation of the urban forest.
- Metropolitan Redevelopment Authority projects currently under development
- Parts of the City of Subiaco recently amalgamated with the City of Perth, under the provisions of the City of Perth Act 2016.

A separate supporting document will be issued later in 2016 to include the latter two areas within Stage One.



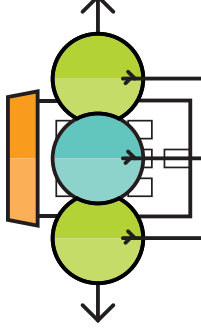
Goal 1:

Protect existing trees



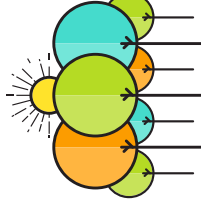
Goal 4:

Increase canopy cover



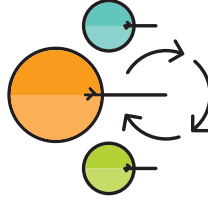
Goal 7:

Maintain tree health



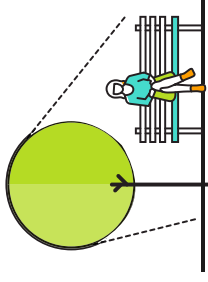
Goal 2:

Replace aging trees



Goal 5:

Prioritise tree planting to help cool public spaces and City 'hot-spots'



Goal 8:

Implement a 'whole-of-forest' management approach



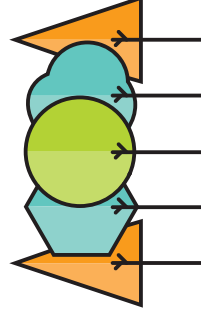
Goal 3:

Promote sustainable water management



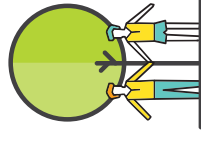
Goal 6:

Promote balance and resilience in species composition



Goal 9:

Promote community engagement





Traditionally urban trees have been valued for their beauty and aesthetic quality. They soften and add human scale to city streets. Avenues of trees and distinctive parklands help create an attractive city with a unique sense of place.

More recently, urban forests are also being valued for the social, economic and environmental benefits they provide. They help to cool our cities, improve air and water quality, reduce greenhouse gases, provide food and shelter for wildlife and improve levels of community health and well-being.



With more people choosing to live in cities, many are struggling to maintain a healthy environment and a high quality of life for their citizens.

Australia is an increasingly urbanised country with approximately 70 percent of its population living in cities (Australian Bureau of Statistics, 2013). The residential population of the City of Perth increased by nearly 50 percent between 2006 – 2011. This trend is expected to continue, with a population of 28,500 predicted by 2030 (City of Perth, 2013).

As cities become more built up and lifestyles are more sedentary, access to green space is all the more important in promoting community health and well-being.

Climate change brings another set of challenges. Our cities are heating up. Since 1950 the average number of heat wave days per year has been increasing across Australia (see Figure 1). The number of heatwave events and their duration and intensity is also increasing. Within this time frame Perth has experienced an increase from 6 to 9 heatwave days per annum (Steffan, et al., 2014).

Over the past 100 years heatwaves have been the cause of more deaths than any other natural hazard in Australia (Steffan, et al., 2014). Increases in temperatures and heat waves pose a potential

risk to city liveability and the health of urban populations in future decades (Brown, et al., 2013). Climate change projections predict that Perth will continue to experience an increase in the number of hot days over 35 degrees Celsius from 28 to 67 days by 2070, along with declining levels of rainfall. More frequent and intense storm events also threaten to damage city infrastructure and buildings (see Figure 2).

The range of benefits provided by healthy and resilient urban forests means that they are uniquely placed to help cities meet these contemporary urban challenges.

Consequently, urban forests are increasingly recognised as an important part of a city's infrastructure, emerging as indispensable assets in the creation of liveable and climate responsive cities. Many of the world's major cities are currently developing, funding and implementing plans to protect and grow their urban forests.

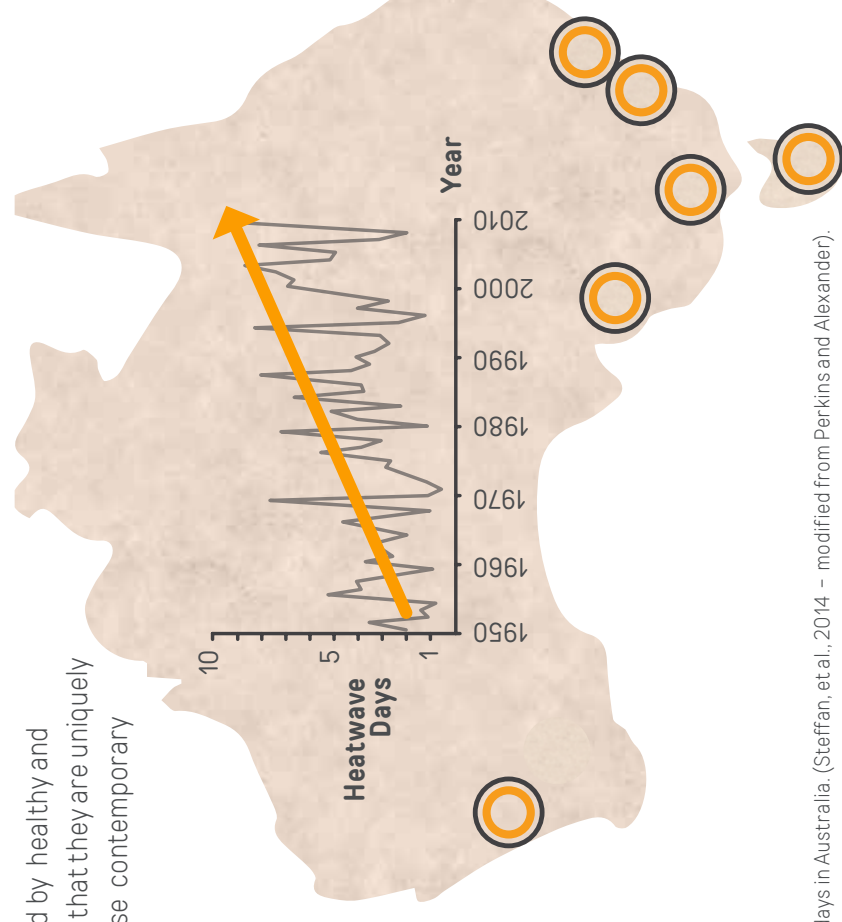
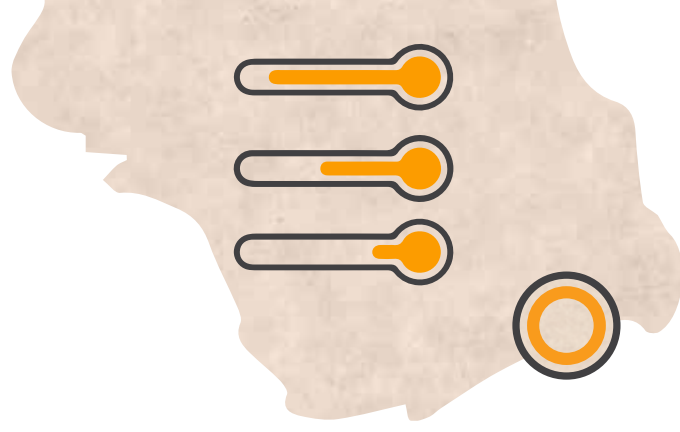


Figure 1. Rising number of heat wave days in Australia. (Steffan, et al., 2014 – modified from Perkins and Alexander).



Climate Change Challenges Facing Perth



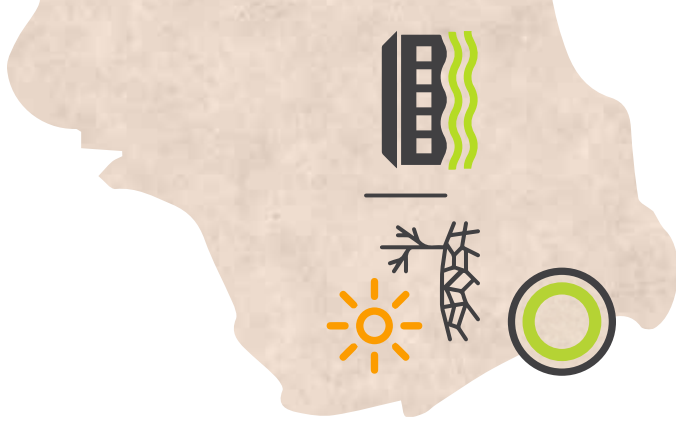
Rising Temperatures

- Average temperatures will continue to increase in all seasons.
- The number of days with temperatures over 35oC are predicted to increase from 28 days to 67 days by 2070.



Declining Rainfall

- Decrease in mean annual rainfall and water runoff.
- The trend of decreasing winter rainfall is predicted to continue.
- Spring rainfall is also predicted to decrease.



Extreme Events

- The intensity of extreme rainfall events is predicted to increase .
- Increased disruption from climate related events such as heatwaves and flooding.

Figure 2. Climate change challenges facing Perth







2.1 Historical development

Pre European settlement

Before European settlement, the land now covered by the City consisted of an ancient wetland, based on a series of lakes located between an area north of the existing railway line and the Swan River. Historically, these wetlands provided seasonal camping sites for the Aboriginal people and the lakes were essential for gathering food, including freshwater crayfish, turtles and frogs. The wetlands and the ancient campsites have significant cultural and spiritual value for the Wadjuk Noongar people, the traditional owners of this area (Godfrey, 1988).

Pre European settlement, Perth's landscape was characterised by a mixture of open forest, fringing woodlands and closed scrub, mainly comprised of Eucalypts, Banksia and Melaleuca. The canopy cover provided would have been relatively open and sporadic in character, as indicated in Figure 3.





Figure 3. Pre European Settlement from Re-imagining Perth's Lost Wetlands 2014. Collaboration project with ECU, Landgate, City of Perth and City of Vincent



Figure 4. Present day Perth from Re-imagining Perth's Lost Wetlands 2014. Collaboration project with ECU, Landgate, City of Perth and City of Vincent

Early European settlement

While the wetlands are the reason for Perth's long, narrow shape, this landscape has been significantly modified since the early nineteenth century due to the arrival of European settlers and their aspirations to develop the area.

The original settlement of Perth was established on a ridge near Mt Eliza overlooking the Swan River. The wetlands provided early settlers with water and fertile soils. However, they also saw the wetland system as an impediment to development, which resulted in the majority of it being drained to provide alternative uses, including market gardening, municipal gardens and a town rubbish dump (Singleton, 1988).

In the late nineteenth century, as urban development grew, the need for designated parklands became a public debate. The "city beautiful" idea became popular with planners during this time and street trees along with small parks were promoted (Bold, 1911). During the early twentieth century, the "garden city" movement pioneered by Ebenezer Howard influenced the Perth town clerk, William Bold. Bold envisioned the development of a linked system of parklands, with the wetlands forming an integral part (Blackwell & Associates Pty Ltd, 1995).

The Post-War period

During mid to late twentieth century, Western Australia experienced a mining boom resulting from the discovery of iron ore and natural gas throughout the State. This led to a surge in economic and property development in Western Australia. This had a significant effect on the state of the City's urban forest as canopy coverage was reduced due to the influx of new buildings.

During this period, prominent Australian landscape architect, John Oldham had a vision based on the idea of a unified landscape structured around Perth's wetland system. This vision was only partially realised and can be seen today in the Narrows Interchange parkland area (Blackwell & Associates Pty Ltd, 1995).

Recent times

In the last few decades, the City of Perth has continued to plant trees, with significant achievements made in increasing the level of street tree planting, particularly along east-west streets.

A major new tree planting program was carried out in the mid to late 2000's, with over 700 new trees planted in various locations throughout the City.

In the last decade, new tree planting has been mainly carried out as part of various streetscape upgrades and other capital works projects.

The most recent Public Spaces Public Life Study by Gehl Architects (2009) acknowledges the valuable contribution this has made in improving the quality of public space and public life. The increased number of street trees has created a greener and more beautiful city, provided shade and made a city that is better to be in.





Hay Street Mall - Perth

2.2 Strategic context

The City of Perth has set a clear direction for development in its Integrated Planning and Reporting Framework (IPRF). This Framework, and the interaction between key City plans and the influence of informing strategies, is outlined in Figure 5. The intent of the IPRF is to ensure the priorities and services provided by the City of Perth are aligned with community needs and aspirations.

The City of Perth Urban Forest Plan is an Informing Strategy within the IPRF and works in conjunction with its suite of strategic and operational documents (see Figure 5). It integrates the relevant challenges, aspirations and strategic directions outlined in key documents including:

- Strategic Community Plan
- Corporate Business Plan
- Environment Strategy
- Transport Strategy
- Urban Design Framework
- Public Spaces Public Life Study – Perth 2009

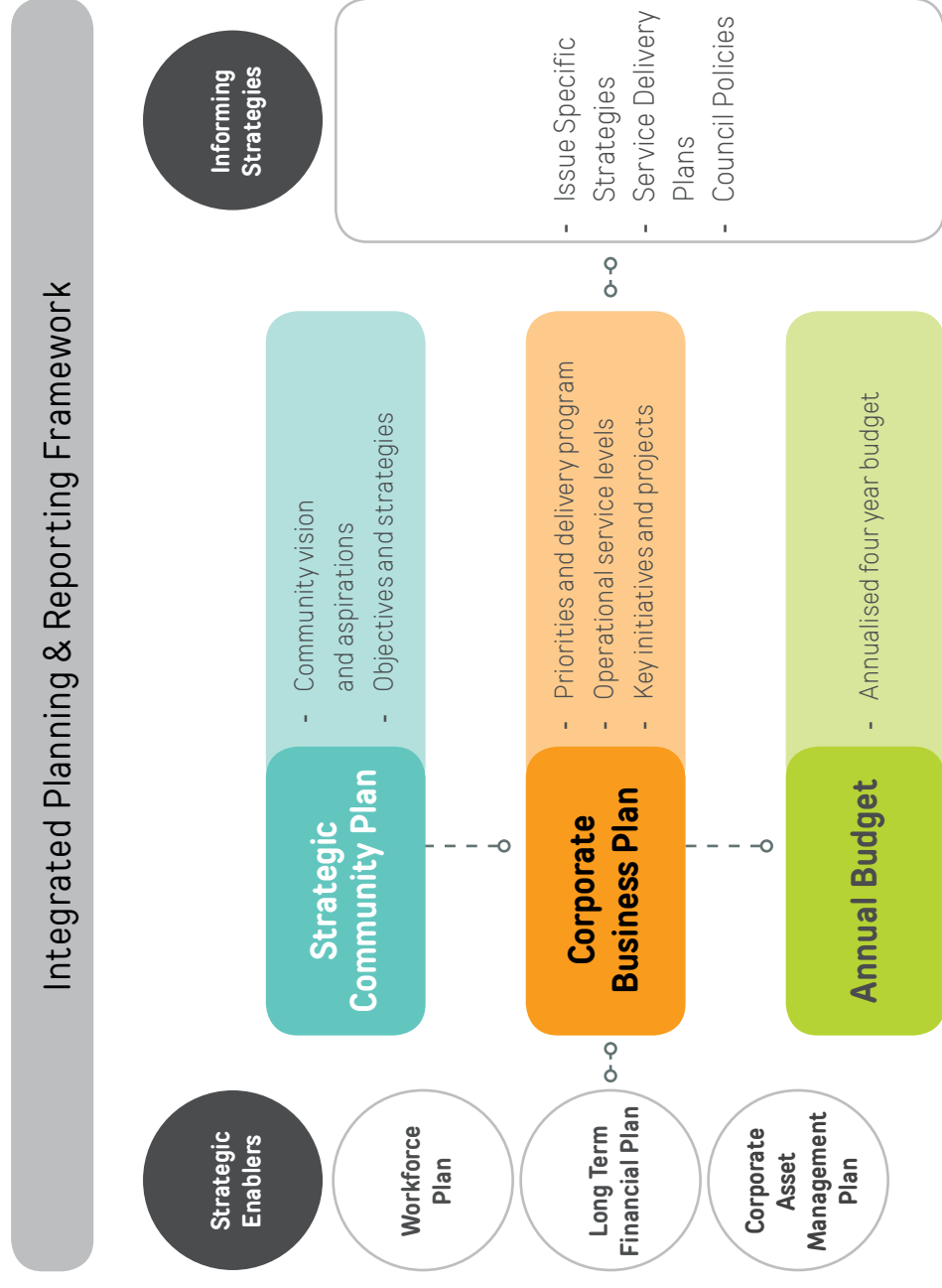


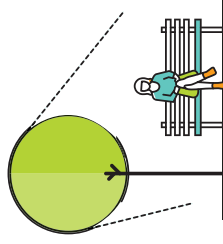
Figure 5. City of Perth Integrated Planning and Reporting Framework

2.3 Plan drivers

The benefits provided by the urban forest will assist in the delivery of the strategic direction for the City. Three organisational strategic drivers have been identified and these underpin the development of the City of Perth Urban Forest Plan (See Figure 6).

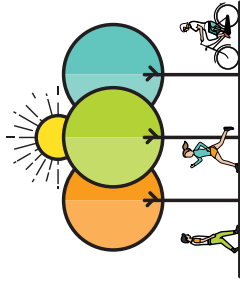
Designing for liveability

expanding the urban forest will help create a greener, more beautiful, cooler and inviting city.



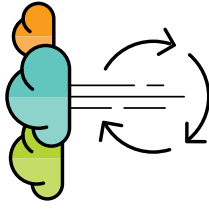
Promoting community health and activity

the urban forest will create an accessible green network that facilitates a healthy and active urban lifestyle.



Managing climate change

a healthy, resilient and sustainable urban forest will help achieve a climate responsive city.



Strategic Community Plan

Perth is renowned as an accessible city. It is alive with urban green networks that are safe and vibrant. As a global city, there is a diverse culture that attracts visitors. It provides city living at its best. Local and global businesses thrive here. Perth honours its past, while creating a sustainable future.

Corporate Business Plan

Four year plan driven by the Strategic Community Plan and the delivery of services, key projects and capital investments. Activates the City's informing Strategies and Action Plans.

Urban Forest Plan

City of Perth Action Plan to protect, manage and expand the urban forest.

Figure 6. Organisational Strategic Context

Key Informing Strategies and Action Plans

- Environment Strategy
 - Environmental Sustainability and Health
 - Climate Response
 - Waterwise city
- Transport Strategy
- Lighting Strategy
- Urban Design Framework
- Public Spaces Public Life Study – Perth 2009
- Street Tree Framework
- Public Health and Wellbeing Plan 2014 – 2016

Supporting policy and guidance documents

- City of Perth Policy Manual
 - Protection and Enhancement of Open Place (15.2)
 - Street Trees – Planting, Pruning and Removal (20.8)
 - Recognising the Amenity Values of the City's Trees (20.9)
- Design and Construction Notes
- Parks Management Unit – Tree Specifications
- City Design Guidelines

3.1 What is an urban forest?

An urban forest is broadly defined as the collection of green spaces, trees and other vegetation that grows within an urban area, on both public and private land (see Figure 7). Together, these green elements provide a range of benefits that enrich the quality of life and promote human well-being in the urban environment.

A primary distinguishing element of an urban forest, as compared to a 'natural' forest, is that it exists within a man-made environment, characterised by hard surfaces, a range of building types and concentrated human activity. This poses many challenges for its planning and management compared to more naturally vegetated areas.

The emerging discipline of Urban Forestry is concerned with the art and science of managing trees in urban environments to maximise the range of community benefits. Its focus is on the health and resilience of the urban forest as a whole.

3.0 The Urban Forest



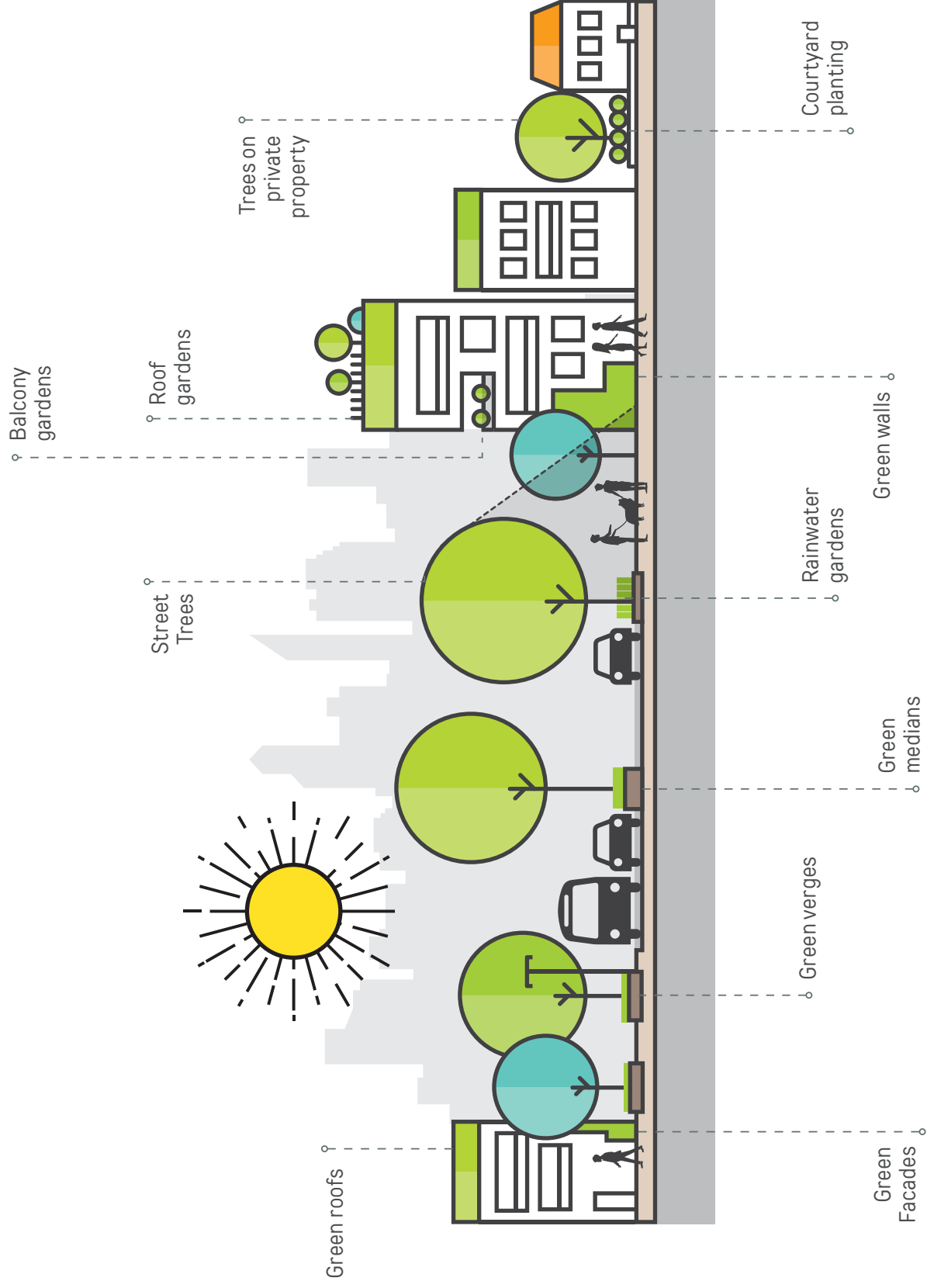


Figure 7. The urban forest



3.2 What benefits can urban forests provide?

Urban forests can deliver a wide range of social, economic and environmental benefits to urban communities (see Figure 8).

Social benefits

Creates a sense of place and identity

Attractive street trees and well-designed green spaces enhance the quality of the urban environment, create a strong city image and foster a sense of connection to place.

Improves physical and mental health

Giving people the ability to access and interact with green space within cities has a range of positive health effects that improve individual and social well-being.

Supports community cohesion

Urban trees and greenery contribute to the creation of inviting public spaces that facilitate gathering and interaction, helping to promote community cohesion.

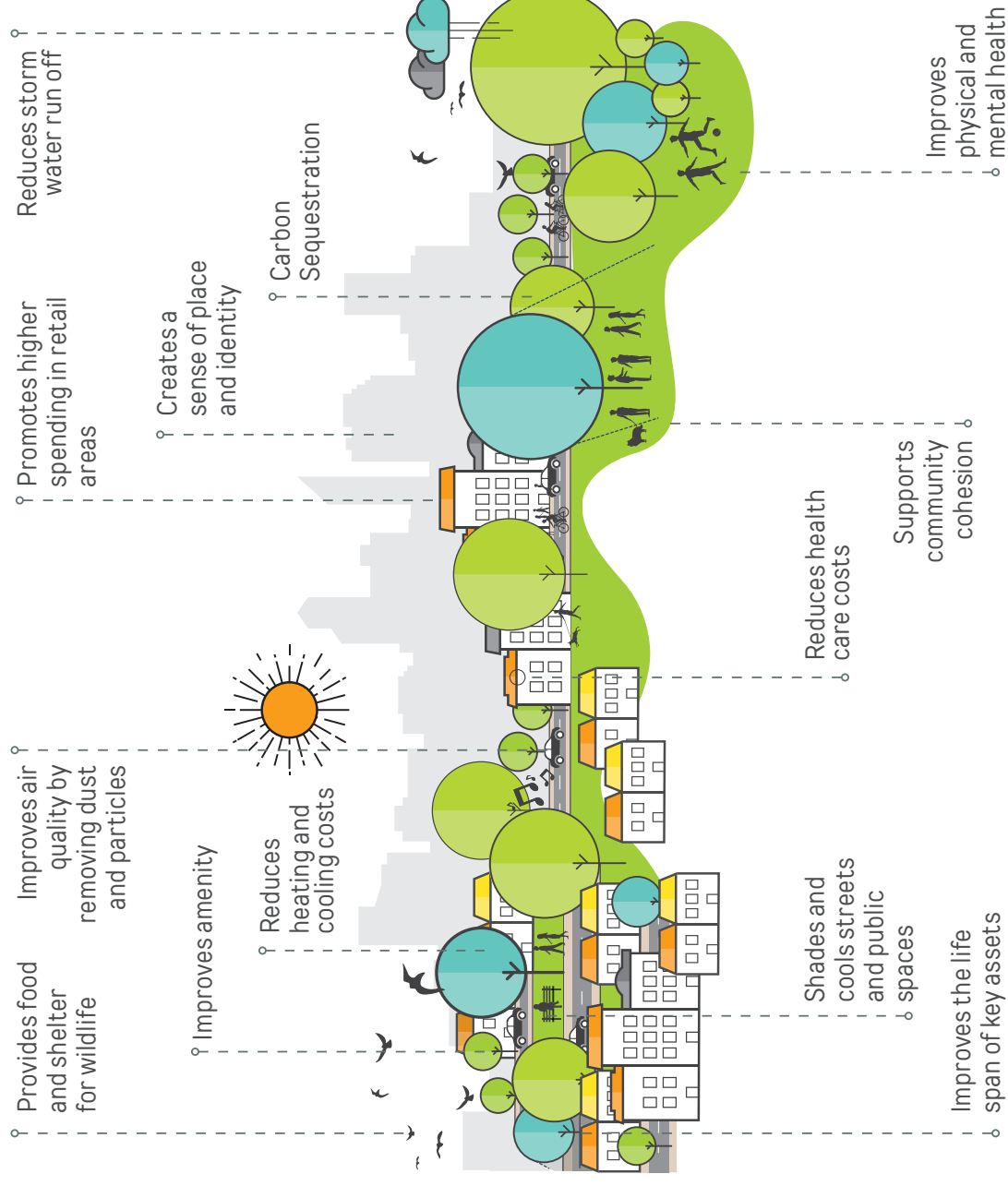


Figure 8. Benefits provided by the urban forest



Reduces sun and heat related illnesses

Trees provide shade and protection from the potentially harmful effects of prolonged exposure to the sun and high temperatures. Research indicates that increasing the levels of vegetation in cities can reduce excess mortality rates.

Social Behaviour

Access to nature can have a positive effect on the social behaviour of communities, including a reduction in the level of some crimes.

Economic benefits

Improves amenity

Trees in streets enhance aesthetics and help increase property values.

Promotes higher spending in retail areas

City streets with large, well-tended trees help create attractive shopping environments where people are prepared to spend up to 9-12 percent more for goods and services.

Reduces heating and cooling costs

Trees planted to provide shade from the sun can cool buildings by up to 8 degrees Celsius, helping to reduce air conditioning costs.

Improves the life span of key assets

The shade provided by trees can increase the life span of road surfaces, reducing maintenance and replacement costs.

Reduces health care costs

People living in greener neighbourhoods are likely to exercise more. Increased levels of physical activity and improved mental health can all help to reduce community health care costs.

Environmental benefits and ecosystem services

Carbon sequestration

Trees capture and store carbon, removing it from the atmosphere and helping to mitigate the impact of global warming.

Shades and cools streets and public spaces

Trees provide shade and cool the surrounding air through the process of evapotranspiration, helping to reduce urban temperatures and improve levels of pedestrian thermal comfort.

Improves air quality by removing dust and particles

Trees trap and absorb pollutants from the air, helping to improve air quality and levels of community health.

Reduces stormwater runoff

Evergreen trees capture and filter stormwater through their canopies and root systems, helping to slow flow rates, reduce levels of stormwater run-off and improve water quality.

Provides food and shelter for wildlife

Tree canopies and other vegetation provide shelter for birds, bees and other wildlife and their fruit and flowers can be an important food source.



The Importance of Canopy Cover

Canopy cover describes the percentage of urban land covered by tree canopy when viewed from above. Improving the level and quality of canopy cover over cities is a key objective of many urban forest plans. It is a commonly used indicator of the success of the urban forest.

Research shows that there is a direct co-relation between the amount of canopy cover and healthy leaf area provided by an urban forest and the level of community benefits delivered (Nowak, et al., 2010 & Rogers et al., 2015)

However, improving the level and quality of canopy cover within a city is a more complex process than simply planting more trees. A range of additional factors need to be taken into account including tree size, species, health and spacing.

Size Matters

Large trees provide significantly greater benefits compared to smaller trees, largely because they tend to have greater leaf areas and provide higher levels of canopy cover. Larger trees remove more air pollution, provide greater reduction in stormwater flows, have greater cooling effect and provide greater economic benefits compared to smaller trees (Beecham & Lucke, 2015).

When planting new trees emphasis will be placed on selecting those that are vigorous and actively growing. These will be as large as possible, taking cost and space constraints into account.

Tree Size

Larger trees provide greater benefits

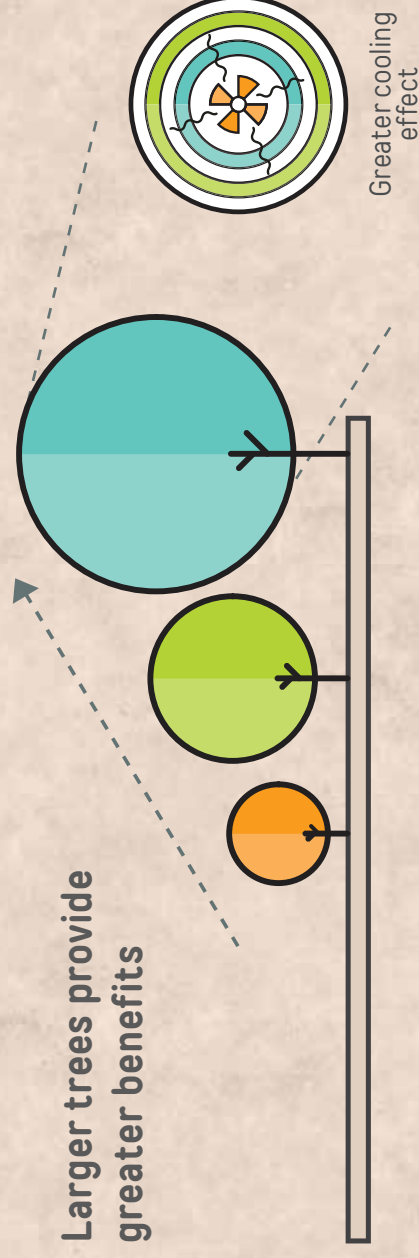


Figure 9. Benefits of larger trees



Species Matters

Different tree species have different canopy architecture, partly due to the various spatial patterns they adopt for intercepting light. These canopies provide different levels of density and depth in canopy layers, creating different types and quality of canopy cover.

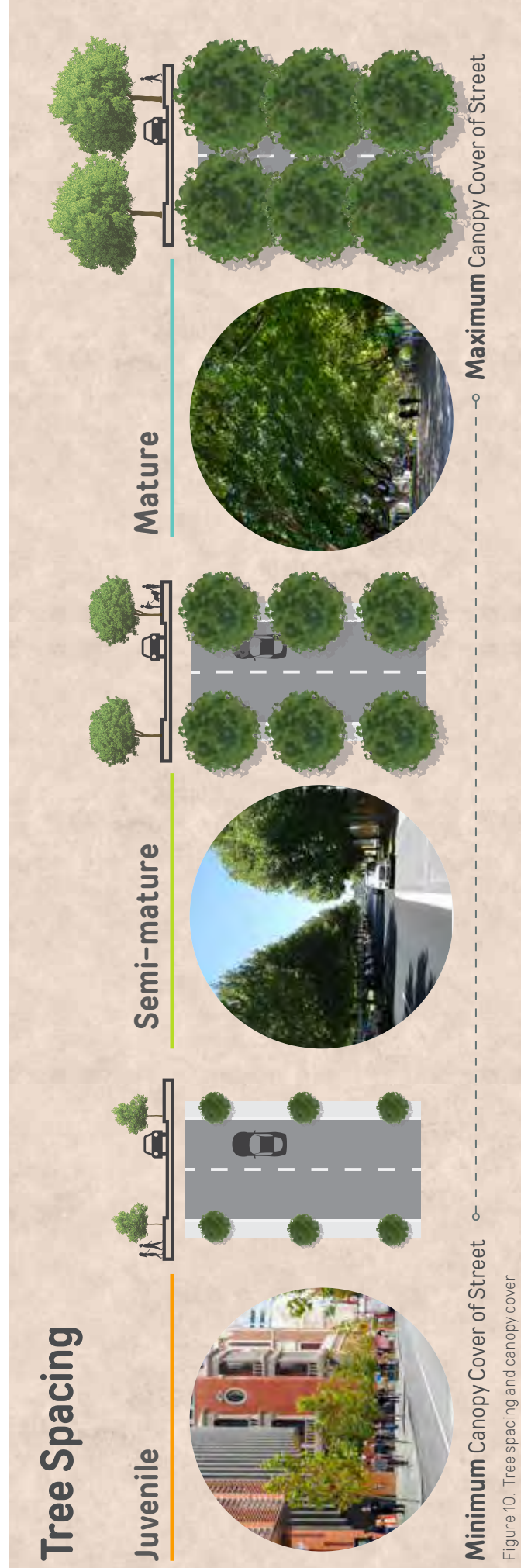
Consideration will therefore be given to selecting a tree species with a canopy architecture that is appropriate to the context of its particular planting site.

Health Matters

Healthy trees have healthy canopies. Species selection will therefore consider a tree's ability to become established, thrive and develop appropriate levels of healthy canopy growth within the given environmental conditions and context of its particular planting site.

Tree Spacing

Where appropriate, trees will be spaced to encourage the development of an appropriate level of continuous and connected canopy cover over city streets and public spaces at maturity (see Figure 10). Consideration will also be given to ensuring that each tree has adequate space to develop a vigorous and healthy canopy, along with issues such as maintaining solar access and adequate levels of space and access for all city users.



3.3 Urban forests and the urban heat island effect

One of the most significant benefits that urban forests offer is their ability to cool their immediate environment. This is particularly important in cities as they are generally hotter than surrounding, less built up areas, sometimes by as much as 1–3 degrees Celsius or more (U.S Environmental Protection Agency (EPA), 2008). Urban surfaces can be highly effective at absorbing and storing heat during the day, creating higher day-time temperatures in cities. This heat is released at night leading to higher temperatures after dark. This phenomenon is known as the Urban Heat Island (UHI) effect.

As a result of the UHI effect city dwellers are exposed to higher temperatures for longer periods each day. Elevated night-time temperatures mean that people are not given the chance to recover from heat stress experienced during the day. During heat waves prolonged exposure to high temperatures can lead to increased levels of heat related illnesses and morbidity. Vulnerable groups such as children, the elderly and those whose health is already compromised can be particularly affected (Block, et al., 2012).

With temperatures predicted to rise with climate change, the UHI effect is likely to intensify. Unless this is addressed, it poses significant risks to the overall liveability of cities and levels of community health and well-being.

While many factors contribute to the UHI effect, the reduced level of vegetation in cities is a key issue. This is partly because vegetated land surfaces, with good moisture levels, remain cooler during the day compared to the hard impervious surfaces that characterise urban areas. Research indicates that a 10 percent increase in urban green cover could reduce the day-time surface temperatures in cities by around one degree Celsius (Harris & Coutts, 2013).

The City of Perth is already pursuing a range of strategies to help cool the City, including facilitating climate responsive built form and increasing green infrastructure as a whole. It is evident that the urban forest has a key role to play and this is a key driver for the development of the Urban Forest Plan.

“Globally, extreme heat events (EHE) have led to particularly high rates of mortality and morbidity in cities as urban populations are pushed beyond their adaptive capacities...many cities expect catastrophic EHEs more often, as the frequency, intensity and duration of EHEs are projected to increase with climate change.” (Norton, et al., 2015)





Macey Street - East Perth

The cooling effect of urban trees

Urban trees have a key role to play in helping to mitigate the UHI effect.

Trees provide shade, which prevents urban surfaces from heating up during the day. This also helps lower night-time temperatures as less heat is trapped for release after dark.

Up to 95 percent of incoming solar radiation can be blocked by a tree's canopy (Brown, et al., 2013). The quality of shading provided depends on a range of factors such as leaf size, angle and structure. Canopy architecture, canopy clumping and continuity along with the depth and density of canopy layers, is also important (Sanusi & Livesley, 2014).

While shade can be created through the introduction of man-made elements, such as shade cloth and awnings, these fail to provide the added cooling benefit created by urban trees through evaporative cooling (Cooperative Research Centre Water Sensitive Cities, 2014). In this process, trees use the heat from the surrounding air to convert water to gas, producing a cooling effect similar to two air conditioners running for 20 hours (Brown, et al., 2013).

Shade and evaporative cooling provided by trees combine to help reduce city temperatures and the levels of heat stress experienced by urban populations.

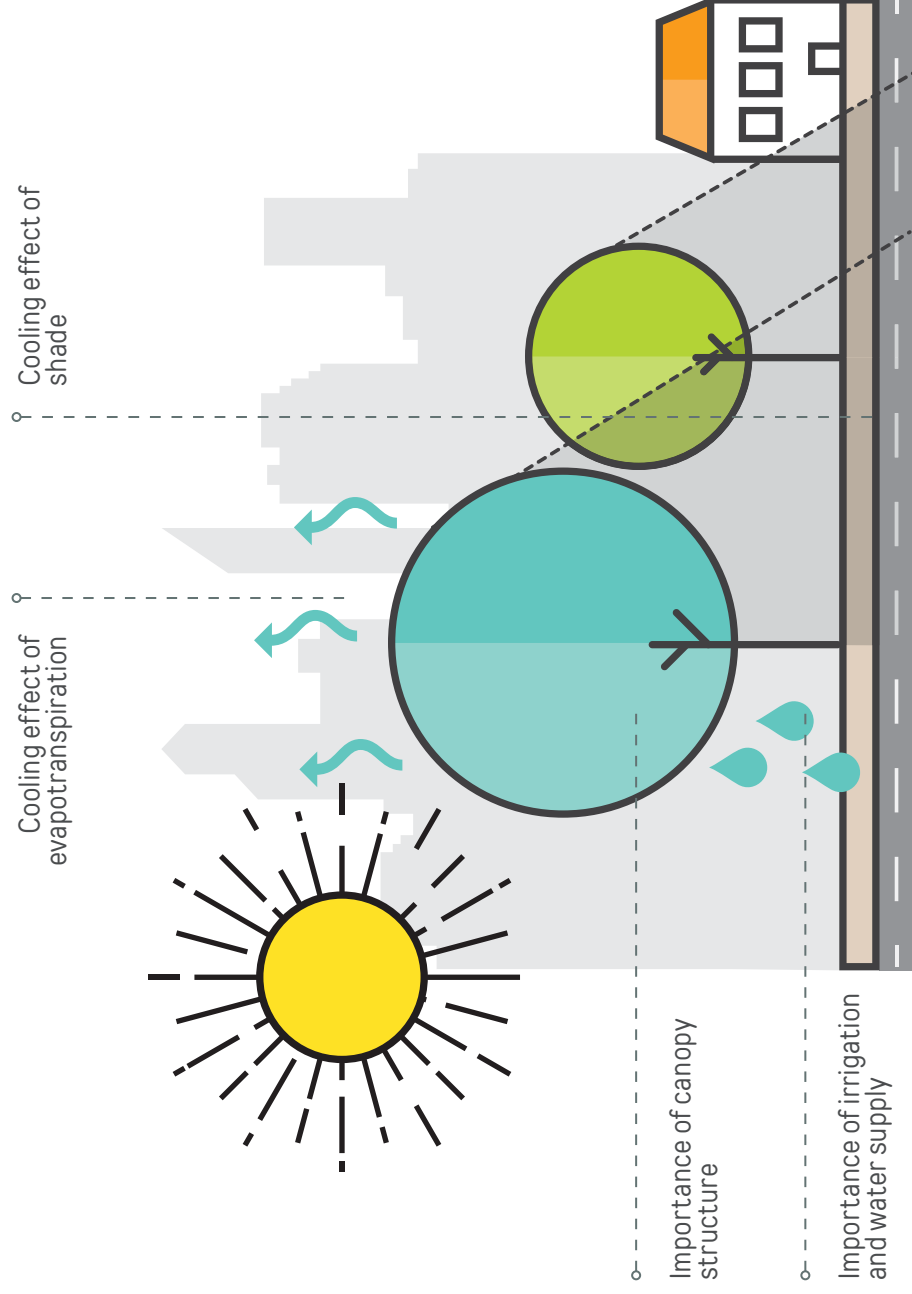


Figure 11. Cooling effect of urban trees



*“Trees reduce surface temperatures by reflecting and absorbing solar radiation, thereby providing shade. Trees also cool the surrounding area at the micro-scale through canopy transpiration. Increasing canopy coverage is one of the most cost effective strategies for cooling buildings and local neighbourhoods”
(Norton, et al., 2013).*



King Street - Perth

3.4 Urban forests and climate change

While the benefits provided by urban forests can help achieve a climate responsive city, it is also important to consider the potential impacts climate change may have on the urban forest itself.

The exacerbation of the UHI effect in cities, for example, is likely to create more challenging growing environments for urban trees, placing them under increasing levels of heat stress. Along with reduced levels of rainfall, this may have a negative effect on the health and survival of urban trees.

The importance of irrigation

The ability of trees to contribute to urban cooling is also affected by rising temperatures and a lack of water. In periods of extreme heat, the evaporative cooling effect can be lost, just when it is needed most. Trees effectively shut down to prevent water loss and avoid water stress. High temperatures can also cause leaf scorch, and in some cases cause trees to drop their leaves altogether.

If trees are to continue to contribute to urban cooling by providing healthy canopies for shade and transpirational cooling, they will require supplementary watering through irrigation, particularly during hotter periods.

Species composition

Some tree species will respond and adapt successfully to changing environmental conditions, while others will struggle to survive and thrive. This may affect the overall composition and level of tree diversity within the urban forest, with implications for its future resilience.

Pests and diseases

Pests and diseases pose a significant threat to urban forests. Climate change can exacerbate this by creating conditions in which the lifespan and distribution of existing pests and diseases can be extended and new ones introduced.

Climate change is therefore likely to have a potentially negative effect on the overall health and resilience of the urban forest. Measures are needed to ensure that it is able to adapt and remain robust in the face of these challenges.

“Supplementary irrigation of UGI (Urban Green Infrastructure) in cities that experience hot, dry summers is a wise investment to ensure long term temperature mitigation, as well as other ecosystem services” (Norton, et al., 2015).



3.5 Why do we need an urban forest plan?

Growing and managing a thriving urban forest in the face of increasing challenges requires that a highly systematic and co-ordinated approach be taken (see Figure 12). It is essential that:

- there is a clear and shared understanding across all disciplines of the importance of the urban forest and the measures required to ensure its health and vigour
- these measures are based on the latest scientific research and are relevant to the Perth context
- the effectiveness of these measures is monitored and assessed systematically.

The City of Perth Urban Forest Plan sets out such an approach. It is intended for all those who have a stake, either directly or indirectly in the urban forest – its protection, management, expansion and promotion.

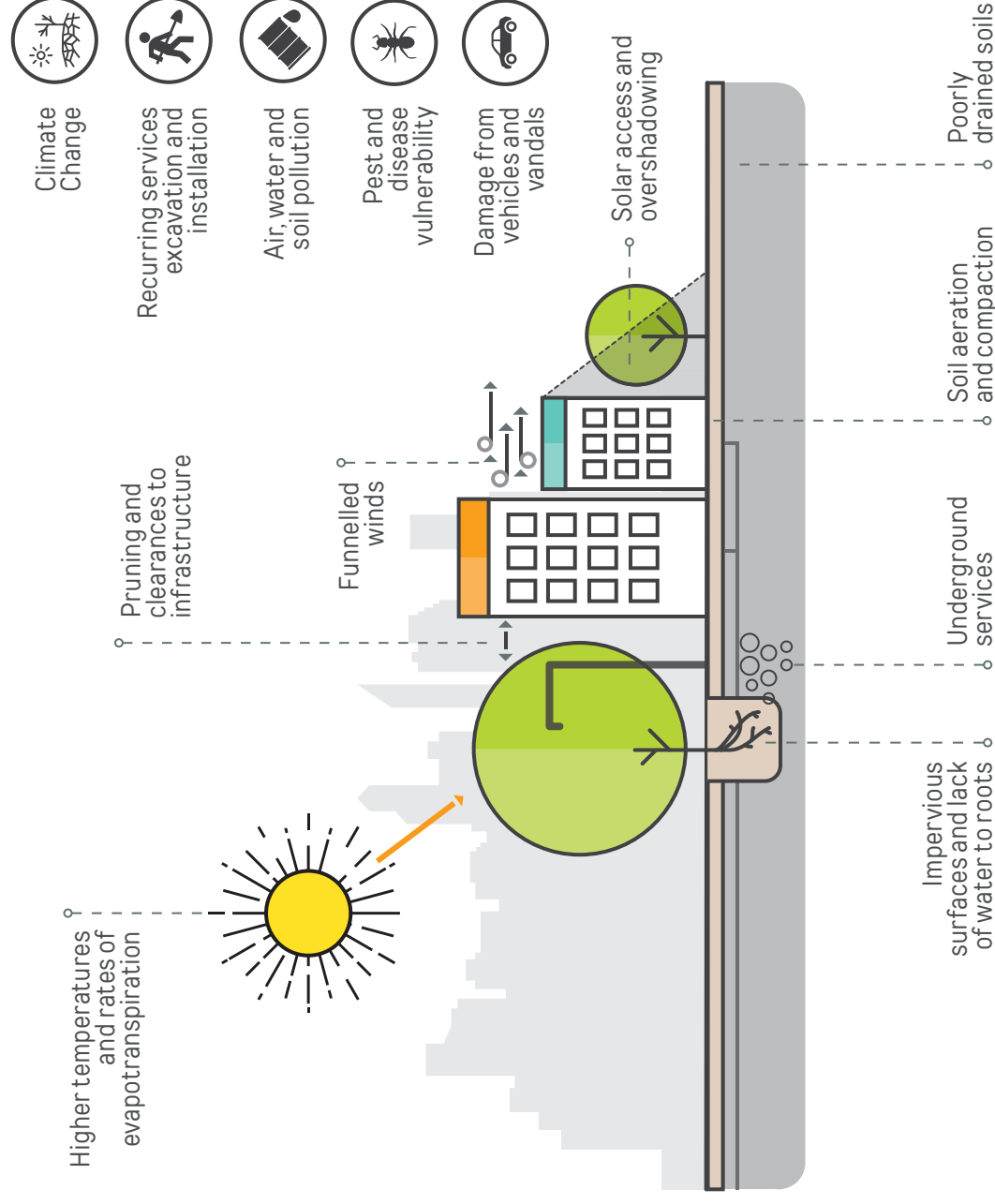


Figure 12. Street tree challenges

3.6 A staged approach

An urban forest is comprised of many elements including publically owned and managed street and parkland trees, trees on private property and other vegetation including wider elements of green infrastructure such as understorey planting, green roofs, green walls, living walls, green verges and medians and rainwater gardens.

The City of Perth Urban Forest Plan is being developed in 3 stages, reflecting the complexity of the urban forest itself (see Figure 13).

Stage One focuses on the City's street and parkland trees. The decision was made to address this element of the urban forest first as the City has direct control of these trees and the spaces in which they are planted. It can therefore undertake early and effective action in the planning, management and expansion of the urban forest, promoting improvement and change within a short timeframe.

Stage Two will address trees planted on private property.

Stage Three will address other vegetation that makes up the urban forest, including wider elements of green infrastructure.

Both of these additional stages are scheduled for completion in 2017.

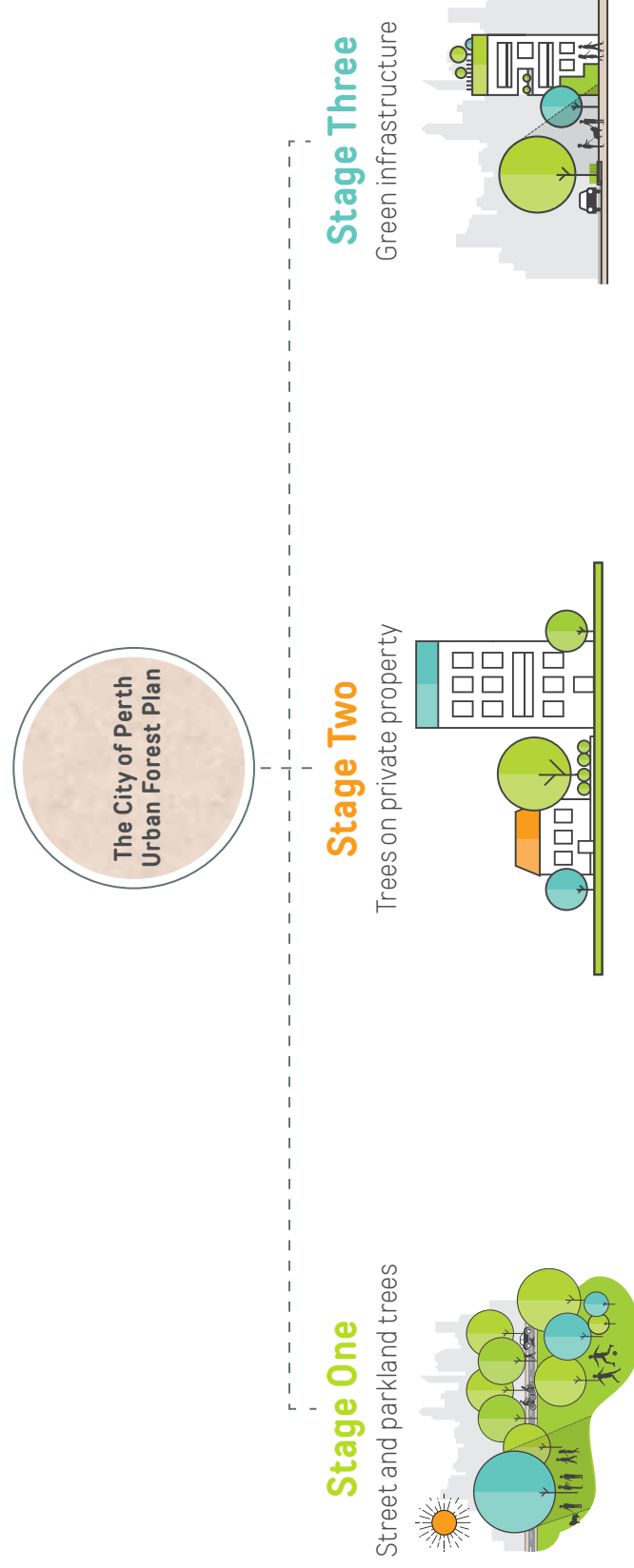


Figure 13. Staged approach





Mount Street - West Perth



There are currently over 14,000 trees planted in the City's streets and parklands. In this context parklands include formal parks such as Wellington Square, Supreme Court Gardens and Russell Square in addition to more informal elements of the City's wider open space network, including the Narrows Interchange.

4.1 Planning for street & parkland trees

The process used to plan for the City's street and parkland trees is based on a best practice approach structured around four key steps (see Figure 14).

Step 1: What we have

Research undertaken to collect the technical data required to develop a detailed and comprehensive understanding of the existing character and condition of street and parkland trees and identify key issues and challenges.

Step 2: Where we want to go

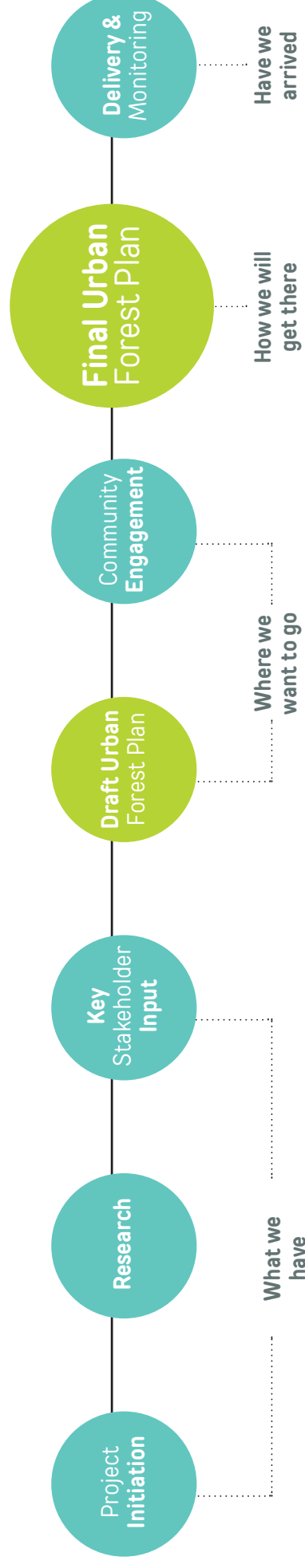
Research findings combined with input from a process of community consultation and engagement to establish goals and objectives for the planning, management and expansion of street and parkland trees.

Step 3: How we will get there

Implementation plan developed to identify the actions to be undertaken to deliver the goals and objectives of Stage One of the Urban Forest Plan. Indicative budgets, priority projects, timeframes and key roles and responsibilities clearly identified.

Step 4: Have we arrived

Monitoring framework developed to measure progress in implementing Stage One of the Urban Forest Plan.



¹While there is no one, universally recognised 'best practice' approach to the preparation of an urban forest plan there are a number of key guidance documents that have informed the development of the City of Perth Urban Forest Plan. These include How to Grow an Urban Forest, 2020 Vision; the Urban Forest Management Plan Toolkit; California Urban Forest Council; Trees in the Townscape: A guide for decision makers, Trees Design Action Group; and Planning the Urban Forest, Schwab.

Figure 14. Plan process



Evidence based planning

Stage One of the City of Perth Urban Forest Plan is underpinned by the findings of two specifically commissioned baseline research studies:

- Canopy Cover and Thermal Imaging Baseline Study (2015)
- Street and Parkland Tree Audit (2015).

These studies provide the technical data needed to effectively plan for the City's street and parkland trees, by assessing them against a range of commonly accepted performance indicators for urban forest management including:

- existing levels of canopy cover (including information on canopy height and width)
- age diversity
- useful life expectancy
- tree diversity
- tree health (Kenney, et al., 2016).

The Thermal Imaging Baseline Study acquired satellite, airborne and terrestrial thermal data to provide a visual representation of temperatures in the City during the day and after dark and inform an assessment of Perth's existing Urban Heat Island effect.

The research findings from these studies have been used to :

- provide baseline data to help formulate goals and objectives
- establish benchmarks to measure and monitor change and progress in implementation.

4.2 What We Have: issues & challenges

Data collected by the Street and Parkland Tree Audit (2015) shows that the City has a total of 14,811 street and parkland trees. Further information on how this overall population is broken down by location, tree family and species is summarised in Figure 15.

The City's parklands, including Harold Boas, Supreme Court, Stirling and Queens Gardens contain particularly diverse and varied collections of trees. Some of the oldest trees (100–150 years old) are also found in the parkland areas including:

- Camphor Laurel in Harold Boas Gardens
- Moreton Bay Figs in Russell Square
- Port Jackson Figs and Flooded Gums in Wellington Square
- Norfolk Island Pine in Stirling Gardens
- London Planes in Queen's Garden and Victoria Avenue.

Collectively the City's street and parkland trees have an estimated amenity value of \$98 million. This figure excludes the ecosystem services they provide.



Street & parkland trees at a glance

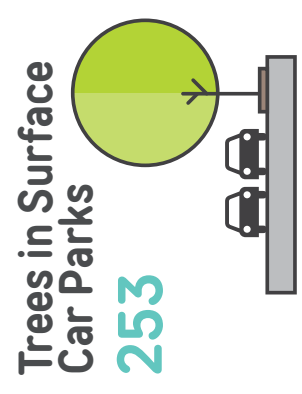
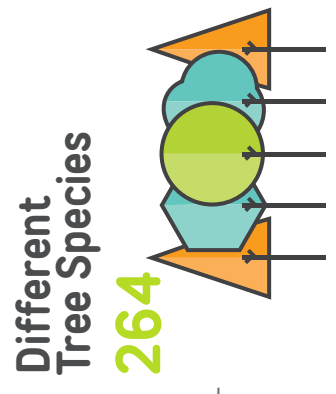
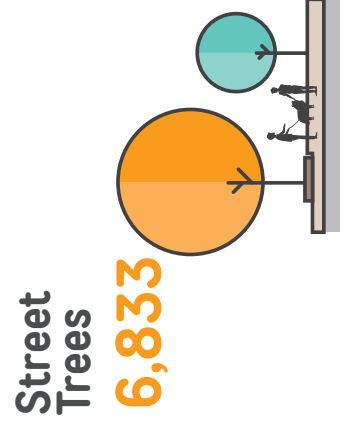
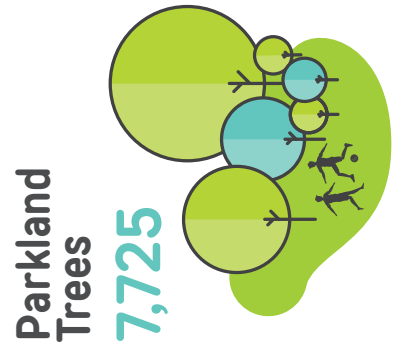


Figure 15. Street and parkland trees



The City of Perth Street Tree Framework

The selection of tree species for planting within the urban forest is currently guided by the City of Perth Street Tree Framework. This document sets out a list of existing and proposed tree species, including native and non-native trees. At present over 50 percent of the recommended tree species for planting are from the Myrtaceae family (native trees).

The Framework's approach to tree selection is based upon choosing a species that is most appropriate to its context and environmental factors. It is broadly reflective of the 'right tree for the right place' philosophy (Schwab, 2009).

Contemporary urban forestry increasingly promotes this philosophy as the primary guiding factor in tree selection processes. Once the necessary measures have been taken to maximise planting conditions at each site (e.g. soil depth, quality and volumes, availability of water) trees are primarily chosen for their ability to grow and thrive given the specific environmental qualities and challenges. This maximises the tree's potential to grow into a large, mature tree with a healthy canopy.

A range of other factors are also considered in the application of the 'right tree for the right place' philosophy including, but not limited to, issues such as local culture and heritage.

The 'right tree for the right place' helps to promote a more balanced, sustainable and evidence based approach to the tree selection process. It is a valuable tool in urban forest management.

The Street Tree Framework will be reviewed to reinforce and up date this philosophy and ensure that it aligns with and supports the goals and objectives of the Urban Forest Plan. The Framework document will also be augmented to provide guidance on key tree management issues within the City.

"We need much more specific knowledge to adequately select trees for urban areas to deliver a wide range of economic, social and environmental benefits. This will contribute to improving the welfare of urban residents in what is essentially a human habitat not a natural one" (Johnston, et al., 2012).



Issues and challenges

Research findings indicate that the City's street and parkland trees are generally performing well against key performance indicators. However, they do face some important issues and associated challenges.

Existing levels of canopy cover

Perth currently has a relatively low level of canopy cover.

The Canopy Cover Baseline Study (2015) acquired high resolution airborne multispectral imaging to measure the baseline canopy cover for all land, both publicly and privately owned within the City of Perth boundaries (see Figure 18). This data was collected on 23 February 2015. The findings were stratified into canopy cover provided by vegetation within the following height categories:

- 0–3m
- 3–10m
- 10–15m
- 15m+

Findings show that approximately 10 percent of all the land within the City's boundaries is covered by tree canopy, vegetation greater than 3.0 metres in height (see Figure 16).

Information on canopy spread, collected as part of the Street and Parkland Tree Audit (2015), indicates that the City's streets and parklands areas (the public realm) have a canopy cover of approximately 19 percent (see Figure 17).

Setting a canopy cover target is considered important as it provides a benchmark for measuring progress in increasing canopy cover.

A number of cities have adopted the standard of between 30–40 percent canopy cover set by American Forests for cities in the United States. Other approaches suggest that canopy targets should be based on an assessment of the quality and quantity of available planting spaces and local environmental and climatic conditions, rather than the application of generic standards (Kenny, et al., 2011)

Challenge: Setting an achievable target and increasing the level of canopy cover provided by street and parkland trees.



Figure 16. Overall canopy cover



Figure 17. Public realm canopy cover



Figure 18. Baseline canopy cover stratified by height



Overall canopy cover in City precincts

At the precinct level, Crawley is performing the best with a level of overall canopy cover of 21.2 percent across both its public and private realms. Perth and Northbridge have the lowest levels – 8.1 percent and 7.2 percent respectively.

This is perhaps unsurprising given the built up and dense urban character of these areas. The outer precincts of East and West Perth have levels of 10.3 percent and 13 percent respectively, these higher levels perhaps reflecting their less dense and mixed commercial/residential character.



Figure 19. Levels of overall canopy cover by precincts



Ameliorating Perth's UHI effect

The Thermal Imaging Baseline Study (2015) collected data on the City's UHI effect.

Satellite data was collected mid-morning on 10 January 2014, when the daytime temperature was 34.2 °C followed by 43.3°C the next day. This data provided information on day-time land surface temperatures within the City and identified a number of 'hot-spots', or areas with high day-time land surface temperatures (see Figure 21).

'Hot-spot' areas tend to be located where there is a high concentration of hard surfaces such as the freeway, railway lands, and large areas of unirrigated natural surfaces like the East Perth Cemetery. Some are located in residential areas and around major gathering places. They also appear to correlate to those parts of the City with lower levels of canopy cover.

Airborne thermal imaging was captured after 10.30pm on 3 March 2015, following a day-time maximum temperature of 30.6 °C.

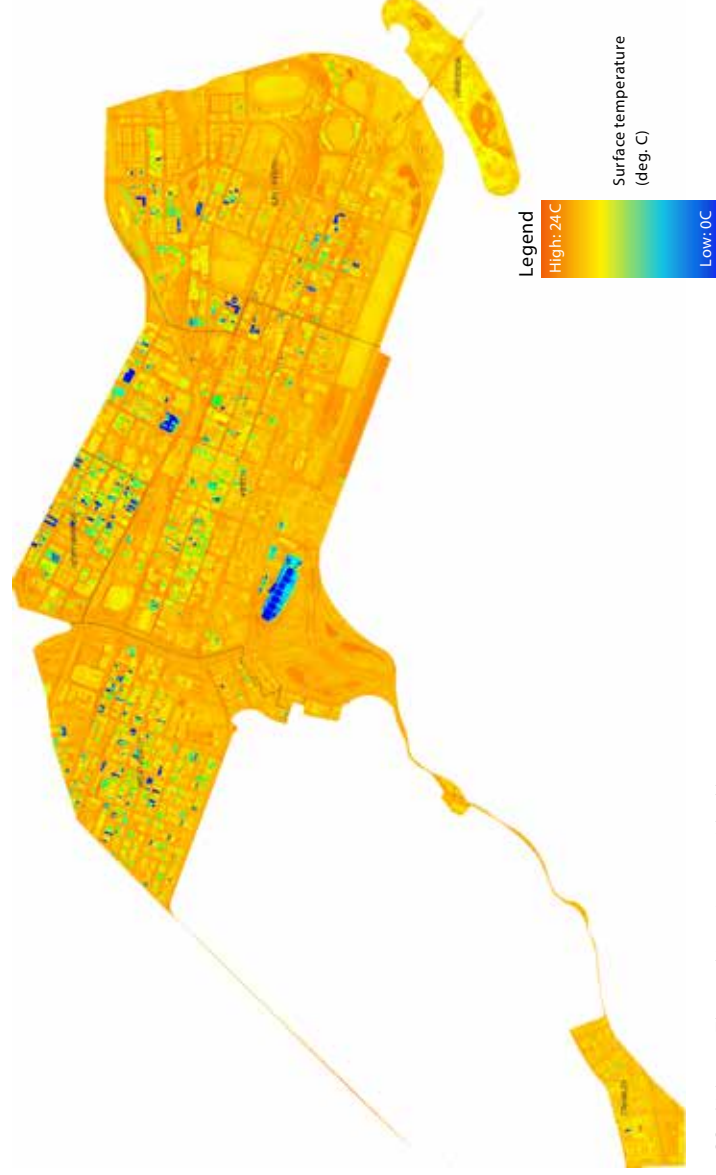


Figure 20. Airborne Thermal Imaging - residual heat

The previous 16 days were all in excess of 26 °C. This data indicates the degree to which residual heat is trapped in streets and roads after dark (see Figure 20). These areas are hotter than the more natural surfaces of parklands and public open spaces.

Perth's UHI effect is contributing to higher City temperatures, with potentially negative impacts on City liveability and community health and well-being. With City temperatures predicted to rise there is potential for this situation to worsen over time. Planting more trees and increasing the level and quality of canopy cover in City 'hot-spots' and along streets and roads will help cool the City.

Challenge: Harnessing the potential of street and parkland trees to promote urban cooling, especially in 'hot-spot' areas.



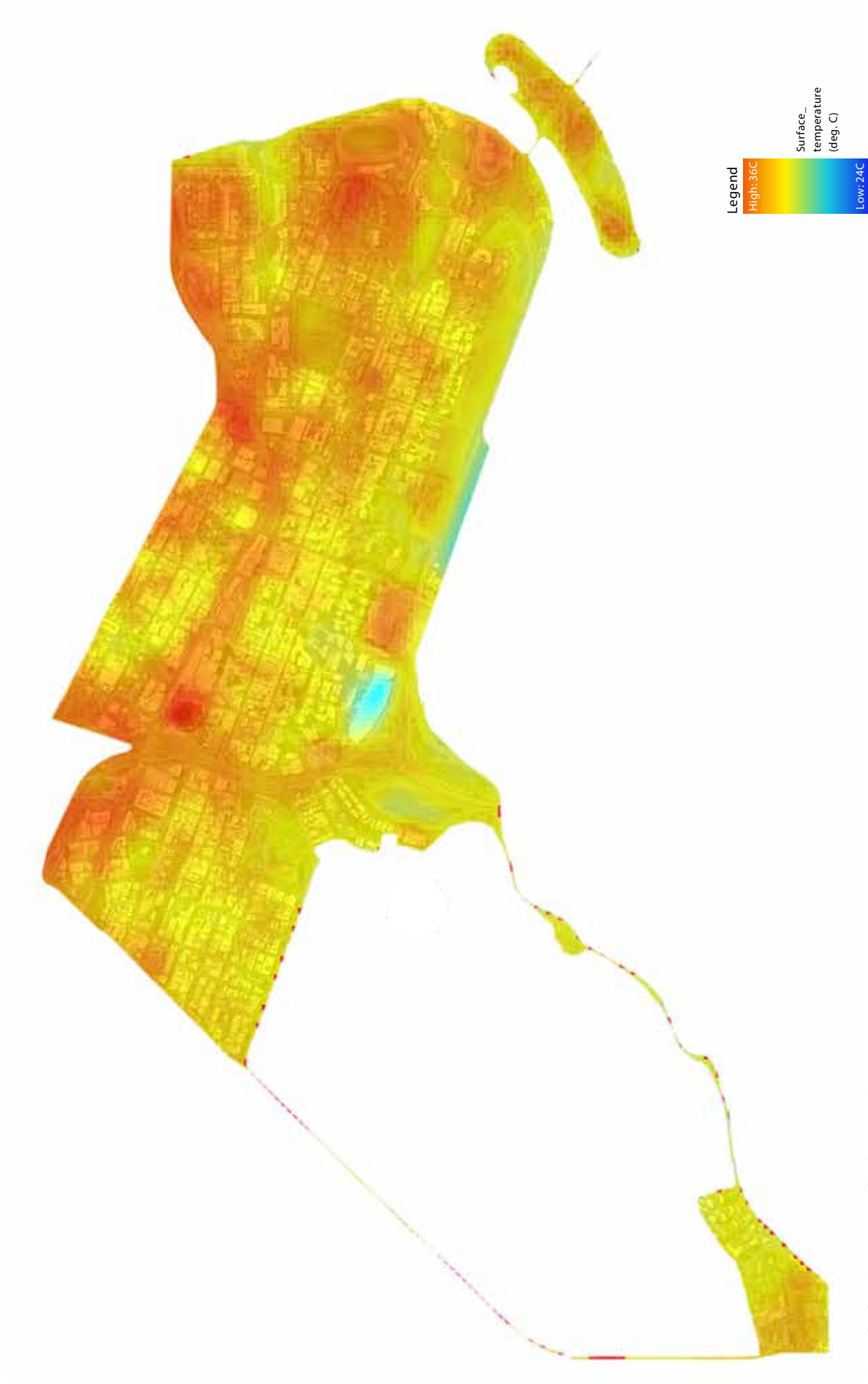


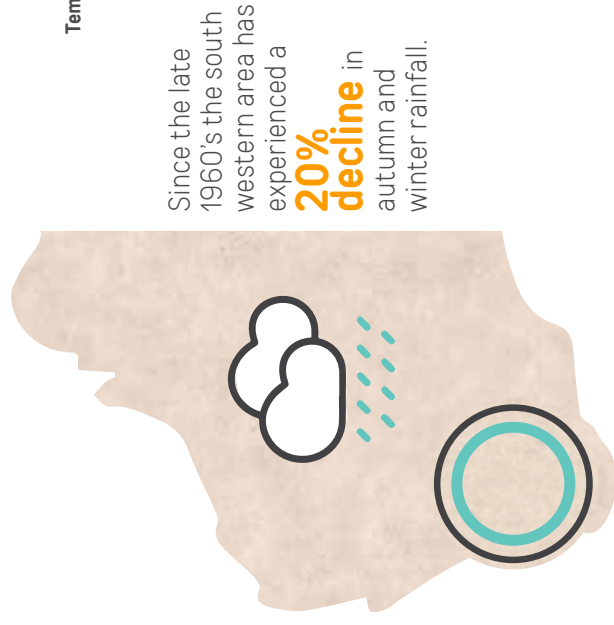
Figure 21. Satellite Imagery - City 'hot-spots'



Water supply and management

Perth faces a particular set of challenges when it comes to ensuring water supply for the irrigation of the City's street and parkland trees.

The south-western part of Western Australia, including Perth, has experienced an on-going drying trend. Annual average rainfall has declined since the late 1960's (see Figure 23). The May to July drying trend has intensified over the last ten years and is predicted to continue to intensify through to the end of the century (IOCI, 2012).



Additionally, summer rainfall is low and sporadic. The monthly average summer rainfall for Perth for the last four years has been 13.2mm for December, 9.6mm for January and 12.5mm for February (Water Corporation, 2016). The City is also committed to reducing its level of water use and water restrictions imposed by the Water Corporation currently apply in summer.

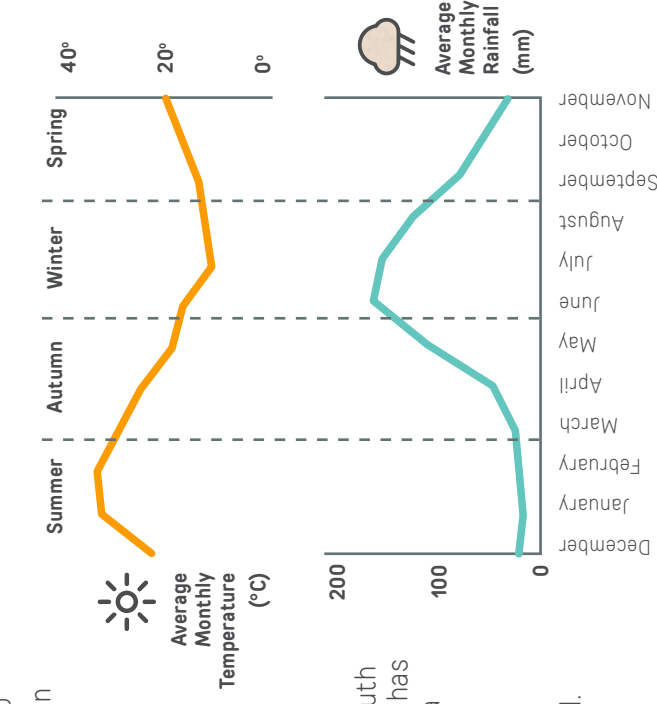


Figure 23. Declining autumn and winter rainfall

Figure 24. Seasonal rainfall and temperature patterns

Consequently, water is often least available when it is needed most to support tree health and maximise the cooling effect (see Figure 24).

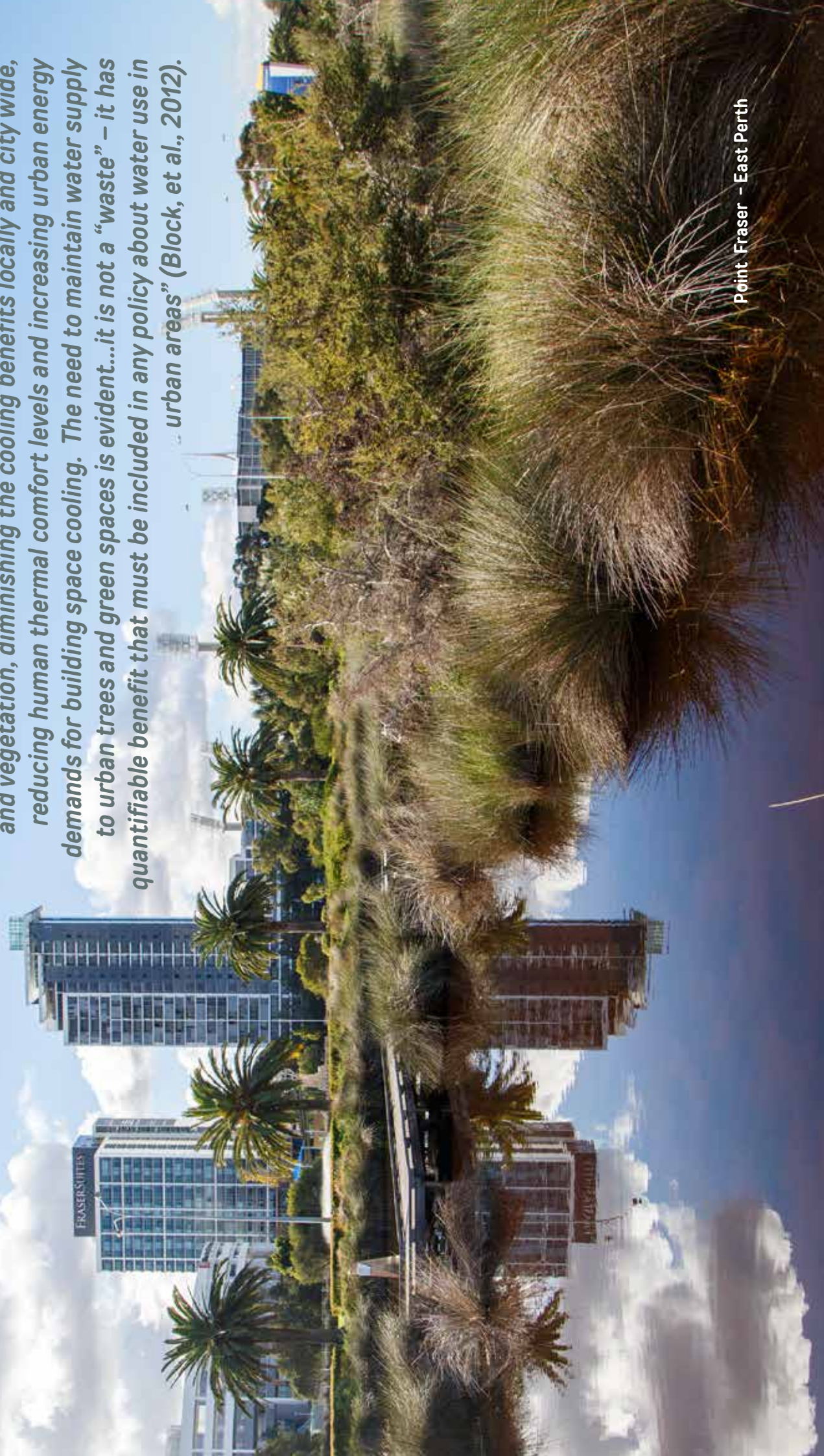
At present the City's street and parkland trees are irrigated for the first 2 years after planting. Trees up to 4 years old are also irrigated during periods of extreme heat. Water for irrigation is currently sourced from a mix of scheme water, ground water and water captured in surface water bodies including the Claisebrook Inlet and Lake Vasto in Ozone Reserve.

In order to ensure the development of a robust, healthy urban forest capable of contributing effectively to urban cooling, it is imperative that steps are taken to ensure an adequate supply of water for supplementary irrigation. This is especially important during periods of extreme heat and during the establishment period for juvenile trees.

The issue of water supply and management will increase in significance as more trees are planted as part of the implementation of the Urban Forest Plan. More trees require more water.

Challenge: Securing a sustainable water supply for the irrigation needed to support tree health and maximise urban cooling.

“Water restrictions reduce the ecosystem service function of green space and vegetation, diminishing the cooling benefits locally and city wide, reducing human thermal comfort levels and increasing urban energy demands for building space cooling. The need to maintain water supply to urban trees and green spaces is evident...it is not a “waste” – it has quantifiable benefit that must be included in any policy about water use in urban areas” (Block, et al., 2012).



Point Fraser - East Perth

Imbalance in age diversity

While the street and parkland tree population is generally performing well in terms of age class distribution the majority of trees are in the mature category, reflecting a lack of significant levels of new tree planting programmes in recent times (see Figure 25).

Measures are also needed to protect 'veteran' trees (over 100 years old) and improve the aftercare and maintenance of juvenile trees to increase their levels of representation within the overall tree population.

In urban forestry it is good management practice to have an even spread of trees across a range of different age classes. This promotes resilience and long-term sustainability, helping to ensure consistency in the level of canopy cover provided and the delivery of community benefits.

Challenge: Developing and implementing measures to improve the balance of age classes over time within the street and parkland tree population.

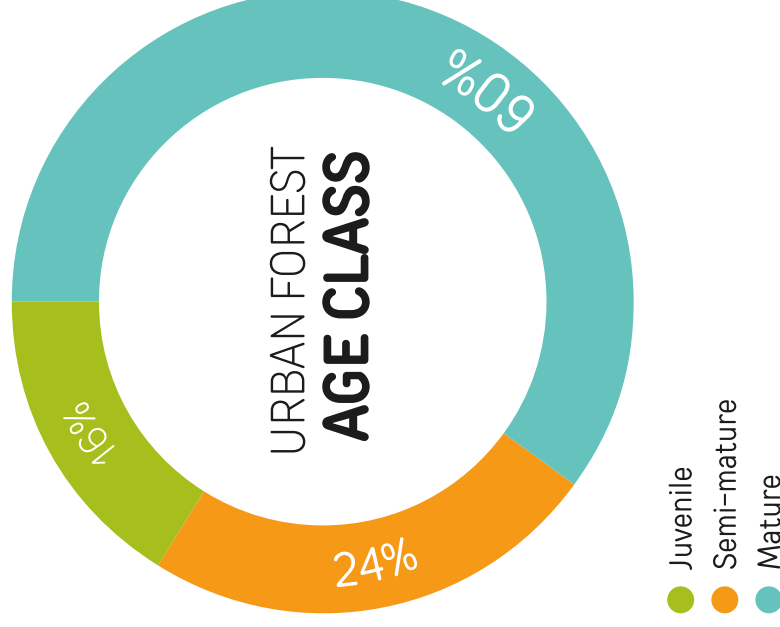


Figure 25. Age Class

Aging trees

Useful Life Expectancy (ULE) is a measure of the potential time span remaining for a given tree in its existing location. A range of factors are taken into account including a particular tree's typical life span, environment, climate change impacts, land uses, pest and disease and soil quality and volumes.

ULE is an important management tool for urban forestry (City of Melbourne, 2012). It facilitates long term planning for the staged replacement of trees that are reaching the end of their ULE at the same time. This prevents significant 'gaps' emerging in the canopy cover, with a corresponding reduction in the level of benefits delivered.

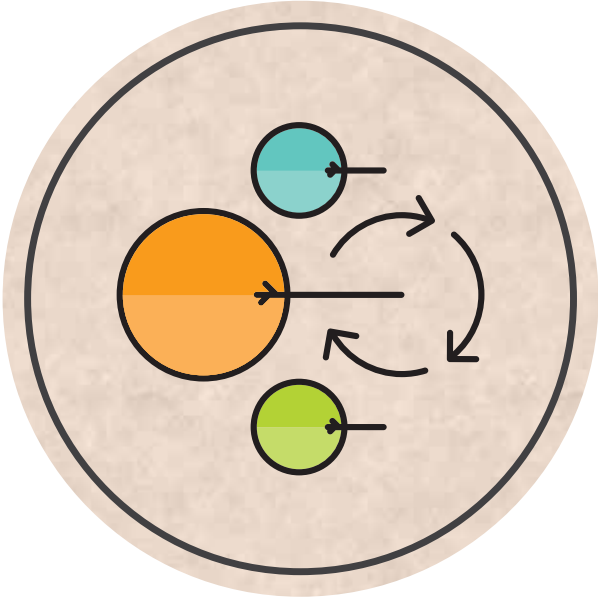


Assessment of ULE at the species level is also useful as it can help to identify those that are performing poorly within an urban forest. Plans can be made to either improve the level of maintenance to increase the health of these trees, or replace affected species with one that is more suited to the urban environment.

The population of street and parkland trees is performing well in terms of their ULE. Nearly 70 percent of trees have a long term ULE and are expected to remain in place in the landscape for more than 40 years (see Figure 26 and 27).

Of the top ten tree species, only the Queensland Box has a significant issue in terms of ULE, with nearly half these trees requiring replacement within the next 15 years. This species currently makes up 1.7 percent (approx. 600 trees) of the City's street and parkland trees. The continued use of tree species with a high percentage of limited to short term ULE requires careful consideration.

Challenge: Replacing trees with a limited to short term ULE to avoid significant gaps in the canopy cover provided by street and parkland trees.



Around **2%** of trees (approx. 350 trees) will require replacement in the next **5 years**

a further **10%** (approx. 1,400 trees) in the next **5-15 years**.

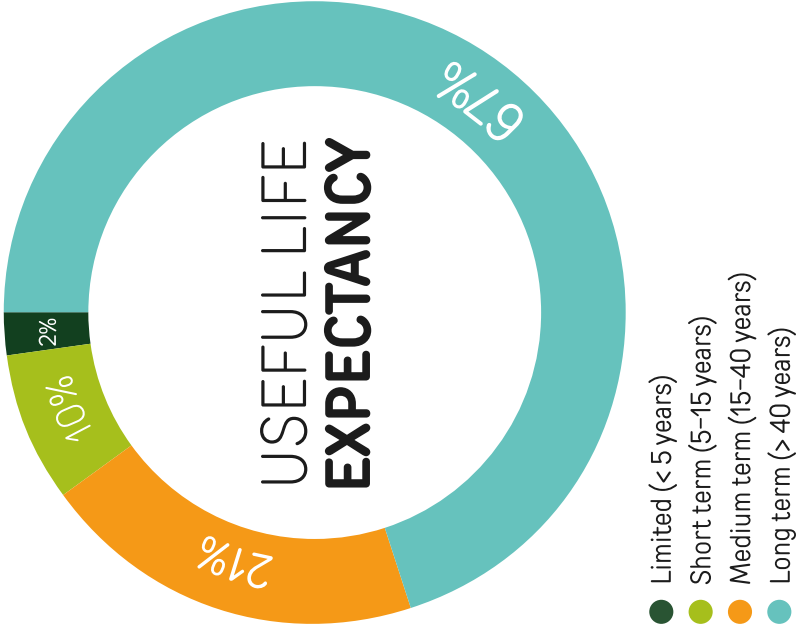


Figure 26. Useful Life Expectancy



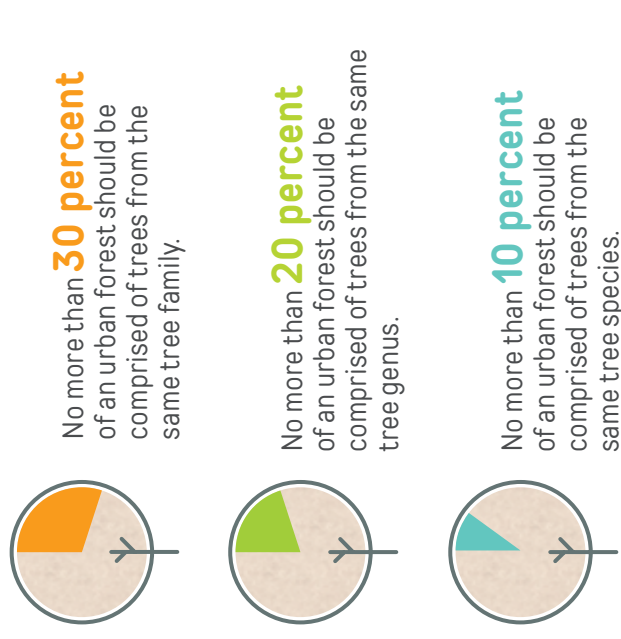
- Long term >40 years
- Medium term 15-40 years
- Short term 5-15 years
- Limited <5 years

Figure 27. ULE of street and parkland trees

Imbalance in tree diversity

One of the most important considerations in urban forestry is the level of tree diversity present within the overall tree population. A highly diverse population is considered desirable as it reduces the risk of a catastrophic loss of trees should one particular family or species be affected by an outbreak of a specific pest or disease, or become particularly susceptible to climate change or other environmental impacts.

Addressing this risk is an important factor in promoting the long term resilience of the urban forest. The Street and Parkland Tree Audit (2015) analysed a range of tree diversity standards. The findings suggested that the following are the most appropriate to the Perth context (based on the work of Santamour).



The City's population of street and parkland trees is currently over reliant on one tree family. Trees from the Myrtaceae family make up more than 40 percent of the total population making it the largest family present. It exceeds recommended standards by more than 10 percent (see Figure 28).

The prevalence of Myrtaceae is partly due to it being native to Australia. It also includes more than 70 different species present in the street and parkland tree population, including:

- West Australian Peppermint
- Queensland Box
- Tuart
- Swamp Paperbark
- Spotted Gum
- Marri
- Jarrah
- Flooded Gum
- Bottlebrushes

Despite the large variety trees within the Myrtaceae family, it is estimated that many of them could be susceptible to varying degrees to the disease myrtle rust (a serious fungal disease which attacks actively growing leaves, shoot tips and young stems). Myrtle rust is currently present in the Eastern States. It is not yet present in Western Australia. However, its arrival could have a catastrophic impact on the City's street and parkland tree population.



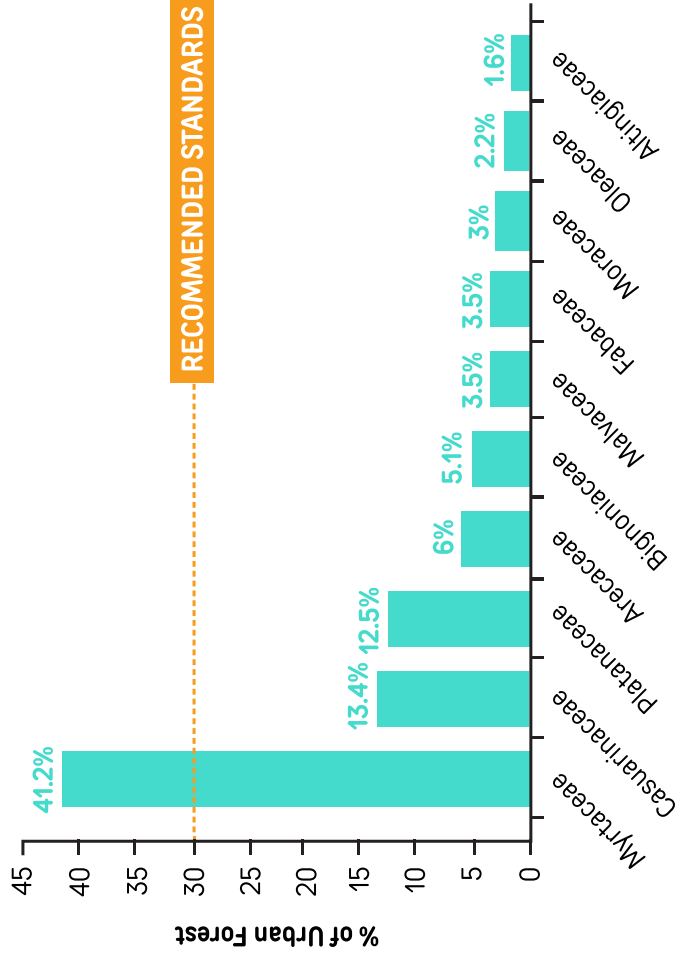


Figure 28. Tree diversity: representation of top ten tree families

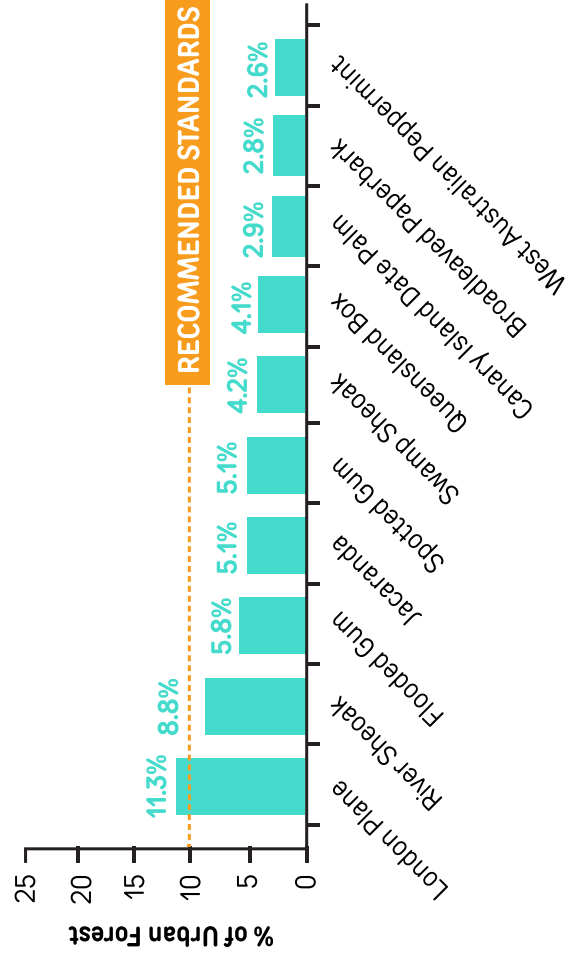


Figure 29. Tree diversity: representation of top ten tree species

At the tree species level, street and parkland trees are performing well, with potential to increase the representation of tree species other than the London Plane (see Figure 29).

Tree Family

Single or group of genera that closely or uniformly resemble each other in general appearance and technical character.

Tree Genus

A group of tree species that have fundamental traits in common but that differ in other, lesser characteristics.

Tree Species

A natural group of trees in the same genus made up of similar individuals

Challenge: Meeting or exceeding the recommended standards for tree diversity within the street and parkland tree population.



Native and non-native trees in the urban forest

Tree species vary in their ability to deliver benefits. Both native and non-native trees are capable of providing a range of economic, social and environmental benefits and the issue of whether to plant native or non-native species is a significant debate in urban forestry.

Native trees

A preference for planting native trees has been broadly evident in recent times, with over 60 percent of street and parkland trees being native species. These trees are often planted for reasons of nature conservation and the provision of habitat for native fauna. Native trees are often also selected for patriotic and wider landscape management reasons (Johnston, et al., 2012).

An automatic preference for planting native trees can influence the overall resilience of the urban forest and result in unmitigated risks. Increasing heterogeneity and complexity of species composition can allow for adaptive management in the face of climate change.

Similarly, a wide diversity of native and non-native trees can mitigate disease spread and lessen the distribution of environmental pests.

Although they are currently over-represented, native trees within the Myrtaceae family will remain a significant component in the urban forest, with a valuable role to play. They will continue to be considered for planting as part of new tree planting programmes, guided by the 'right tree for the right place' philosophy and other provisions of the Street Tree Framework.

Native trees will continue to be planted where they are considered to be most effective, for instance, along streets that are identified as wildlife corridors/eco zones and in parkland settings. Gateway plantings will also use native species where possible as a way of promoting local flora. Native tree planting will also be guided by the findings of the Biodiversity Study proposed in the City's Environment Strategy.

Non-native trees

A number of non-native species occurring within the greater Perth metropolitan region can provide ecological functions to native fauna. One example is the relationship of Carnaby's Black Cockatoo and non-native tree species including Liquidambar, Cape Lilac, Pinaster Pine, and Stone Pine.

In some instances, non-native trees can provide greater benefits than native species in the urban environment.

Non-native trees are often better adapted to thrive in the increasingly challenging and harsh growing environments within city streets, whereas native tree are often better suited to more natural areas.

Including non-native trees within the urban forest also contributes to greater species diversity and improves its long-term resilience.

For these reasons, non-native trees will often be chosen for planting over native trees in particular parts of the City, especially in more built up areas, public spaces with high levels of pedestrian activity and residential areas.

The London Plane for example, is a popular and widely used urban tree species. It is frequently selected for planting within streets and public spaces in both Australian and other cities throughout the world. This is due to its ability to thrive in harsh urban conditions and provide a high level of ecosystem services.



Differing shade qualities of native and non-native trees

Research suggests that large-canopied, broadleaf trees, with thick or denser foliage can be more effective in urban cooling.

A recent study comparing the different cooling effects of three common street tree species in Australia (London Plane, European Elm and River Gum) indicates that the higher the canopy quality, the cooler the midday microclimatic conditions under that canopy in summer. Conditions were significantly hotter under the River Gum, due to its thin, open canopy architecture and more pendulous leaf structure, in comparison to the denser, rounder canopy architecture of the European Elm and London Plane trees (Sanusi & Livesley, 2014).



The leaves of the native Eucalypt trees tend to have a pendulous structure, allowing them to limit their exposure to the sun. As a result more sunlight passes through their canopies, creating a lower level of shade over the ground surfaces below.



The leaves of non-native, broadleaved trees tend to have a horizontal orientation, allowing them to absorb more sunlight for photosynthesis. As a result these trees tend to provide a higher level of shade over the ground surfaces below their canopies.



Photo showing different shade qualities of Eucalypt trees and non-native Elm.

"Important ecological considerations for species selection are often narrowed down to a debate on whether or not native trees should be systematically preferred. Such framing diverts attention away from a balanced approach considering both ecological value and resilience" (Trees & Design Action Group, 2012).

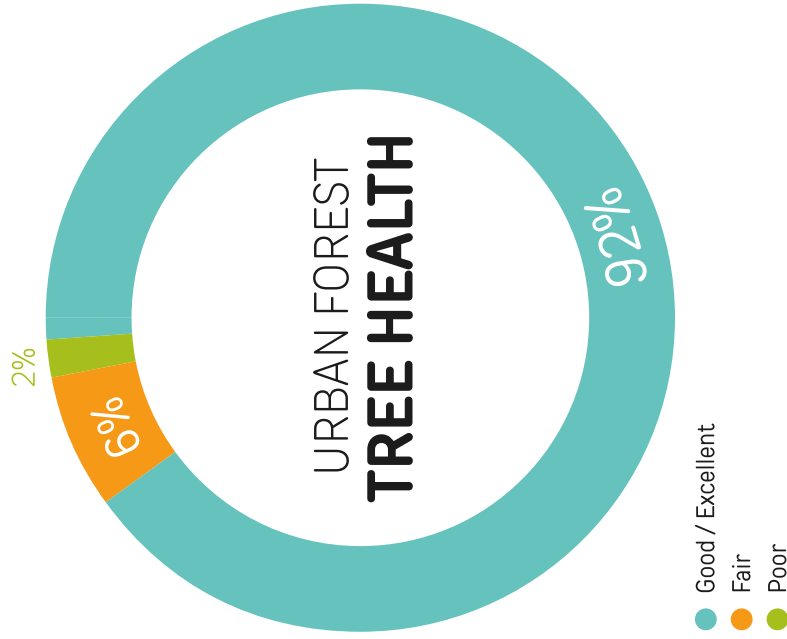


Figure 30. Tree health

Maximising tree health

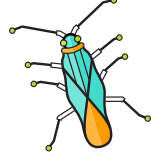

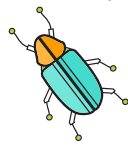



A high level of tree health within an urban forest is important for a range of reasons. Healthier trees promote higher levels of amenity. They are also more likely to reach their expected life span and attain maximum levels of growth. Larger trees, with dense healthy canopies provide significantly more benefits than smaller trees. Good levels of tree health also promote an appropriate age class mix and help reduce maintenance costs.

The City’s population of street and parkland trees is performing very well in terms of overall health with over 90 percent of them in good or excellent health (see Figure 30). This is partly attributed to the fact that the most commonly used street trees, the London Plane, Jacaranda and the Spotted Gum are well adapted to the urban environment, and have proven to be very good urban tree species in the Perth context.

However, the findings of the Street and Parkland Tree Audit (2015) uncovered some specific health issues that must be addressed if these health levels are to be maintained and maximised in future.

Pest and disease

A number of pests and diseases are present including:

	Olive Lace Bug in Olive trees
	Fusarium Wilt in the Canary Island Date Palm
	Borer in the West Australian Peppermint
	Canker in some Marri and Red Flowering Gums
	Leaf-blister Sawfly in some Eucalypts
	Powdery Mildew in the London Plane



Sunscauld is affecting some trees, particularly those from the Acer, Brachychiton, Erythrina, Ficus, Fraxinus, Sapium and Zelkova genus. The use of these trees as street trees is not considered appropriate in Perth's climate and urban environment, consequently they often struggle to thrive and have poor levels of health.

While these pests and diseases do not appear to be having a significantly detrimental effect on tree health at present, they have the potential to significantly affect the urban forest if they escalate.

Environmental issues

Reduced rainfall is suspected of having an impact on the health of a few species including a large number of mature Queensland Box and some fig trees including the Moreton Bay Fig and Small Leaved Fig. While other species seem to be adapting to the effects of climate change, this may change over time.

Car park trees

Only 79 percent of trees planted in the City's surface car parks are in good or excellent health, primarily because of their particularly harsh environment. Over 20 percent of these trees will reach the end of their ULE in 15 years.

Deteriorating structural condition

Some tree species are exhibiting a deteriorating structural condition including the Western Australian Peppermint and Flame Trees in West Perth and the mature London Plane trees on Victoria Avenue and Mounts Bay Road. With future management options being limited, these will require replacement over the next 20 years.

Tree risk

Tree risk is largely addressed through appropriate pruning practices, however, there are a small number of tree species that have a higher potential for branch failure. These species are primarily native trees and include the Northern River, Sugar, Rose and Lemon Scented Gums, the Tuart and Bangalay. Together these trees form less than 3 percent of the total street and parkland tree population.

Management and maintenance

In some cases, the City's current policies and practices relating to the procurement, planting and after care of juvenile and transplanted trees are contributing to lower levels of health and tree establishment. Mowing practices and the ineffective use of tree grates, for example, is causing damage to tree stems and bark, affecting tree health.

Challenge: Developing and implementing appropriate management practices, policies and procedures to maintain and maximise levels of tree health.



Urban forest management

Contemporary urban forestry advocates a long-term, pro-active and strategic approach to the management of the urban forest. This approach focuses on the urban forest as a whole, and considers its overall health, resilience and on-going sustainability as a single entity over the longer term (van Wassenaeer, et al., 2012).

At present, there is no overall plan or strategy for the urban forest. Street and parkland trees are managed and maintained on a short term, day-to-day basis that primarily addresses the needs of individual trees. This makes it difficult to assess how the urban forest is performing as a whole and how capable it is of delivering community benefits over the longer term.

Challenge: Developing and implementing a strategic and pro-active approach to managing the urban forest as a whole.

Community awareness of the urban forest

Community support plays a vital role in successful urban forestry (Schwab, 2009). However, there is often a lack of community awareness of the benefits provided. As a result, community concerns about urban trees can often outweigh an appreciation of their importance in ensuring on-going liveability and climate resilience.

People interact with urban trees on a range of different levels, and opinions on the role and value of urban trees can vary widely. Some are concerned about leaf and fruit litter, allergies and the potential of trees to block views and cause damage from invasive roots and limb drop. This, coupled with a lack of awareness of the range of benefits trees provide, can mean that the larger community often undervalues them.

Stage One of the Urban Forest Plan will result in changes to where, when and how trees are planted within the City. This will affect the design of streets, squares and parklands and impact on how the community interacts with urban trees in the future.

The development of the Plan should therefore foster community support for the urban forest by raising awareness on the range of benefits it provides. It should also understand and respond to community values regarding urban trees.

As part of the consultation on the draft Urban Forest Plan the community provided input on their perceptions of the relative importance of urban forest benefits. The findings are summarised in Figure 31 below.

Challenge: Developing community support for the protection, management and expansion of the urban forest.



Figure 31. Community perceptions of urban forest benefits





Murray Street Mall - Perth

4.3 Where we want to go – goals & objectives

The vision for the urban forest will be realised through the delivery of nine goals.

Goal 1: Protect existing trees

Street and parkland trees can take many years to establish and develop mature canopies. One of the most effective strategies to address the challenge of low canopy cover is to protect existing trees, through the following objectives.

Priority objectives

- 1.1 Review all City practices and procedures, planning policies and design and construction notes to align with the objectives of the City of Perth Urban Forest Plan.
- 1.2 Develop and implement new policy to protect existing street and parkland trees from damage

caused by construction and other works in the City.

- 1.3 Review and update City of Perth Policy 20.9 “Recognising the Amenity Value of the City’s Trees” to include the ecosystem services provided by urban trees.

Other objectives

- 1.4 Include information on new tree valuations on the City of Perth website to help raise community awareness and appreciation of the level of benefits delivered by the urban forest.
- 1.5 Develop and implement a strategy to retain and value ‘veteran’ trees within the population of street and parkland trees.

Goal 2: Replace aging trees

The City will plan for the gradual and timely replacement of street and parkland trees that are reaching the end of their Useful Life Expectancy in the next 15 years. Trees may be replaced by a more suitable species, guided by the Street Tree Framework.

Priority objectives

- 2.1 Implement the following replacement planting plan:

Timeframe	Number of trees to be replaced
2016	73 existing dead trees
2017–2020	71 trees replaced annually (limited ULE)
2021–2035	95 trees replaced per annually (short ULE)

Other objectives

- 2.2 Prioritise replacement planting in City precincts where significant gaps in canopy cover may emerge due to a significant proportion of street and parkland trees reaching the end of their ULE concurrently.



Goal 3: Promote sustainable water management

In order to maximise the cooling benefits and ensure the on-going health and resilience of the street and parkland tree population, the City will plan pro-actively for an adequate and sustainable water supply for irrigation. This issue will be addressed as follows:

City of Perth Water Sensitive City Transition Study

This study is currently being undertaken by the City of Perth as part of the delivery of its Environment Strategy. It aims to develop an integrated water management approach, and is underpinned by the premise that all water resources are supply sources and that water infrastructure and the urban landscape should have an integrated design for function and aesthetics.

Water Sensitive Urban Design (WSUD) Initiatives

The City will also continue to pursue and deliver on best practice WSUD initiatives in its management of the urban forest. These measures will help retain water within the landscape and improve stormwater management and water quality.

Priority Objectives

- 3.1 Design and implement a pilot project for stormwater capture and storage. If successful and feasible, use project findings to promote the development of similar projects throughout the City.
- 3.2 Prioritise the use of WSUD initiatives, where feasible, in new street and parkland tree planting in the City.

Other Objectives

- 3.3 Complete the Water Sensitive City Transition Study. Amend the Urban Forest Plan to reflect its findings and support its implementation.
- 3.4 Replace existing impervious surfaces with pervious surfaces where possible.
- 3.5 Investigate the potential to introduce more efficient and targeted irrigation of street and parkland trees where feasible.
- 3.6 Monitor soil moisture levels.



Goal 4: Increase canopy cover

Stage One of the Urban Forest Plan aims to increase the level of canopy cover within the public realm from 19% to 30% within a 30 year timeframe.

This target has been established through an assessment of local conditions and an estimate of the number of new tree planting sites potentially available across the City's public realm.

It assumes the selection and planting of tree species with the capacity to provide a large to medium-large canopy at maturity, taking existing and future environmental conditions into account.

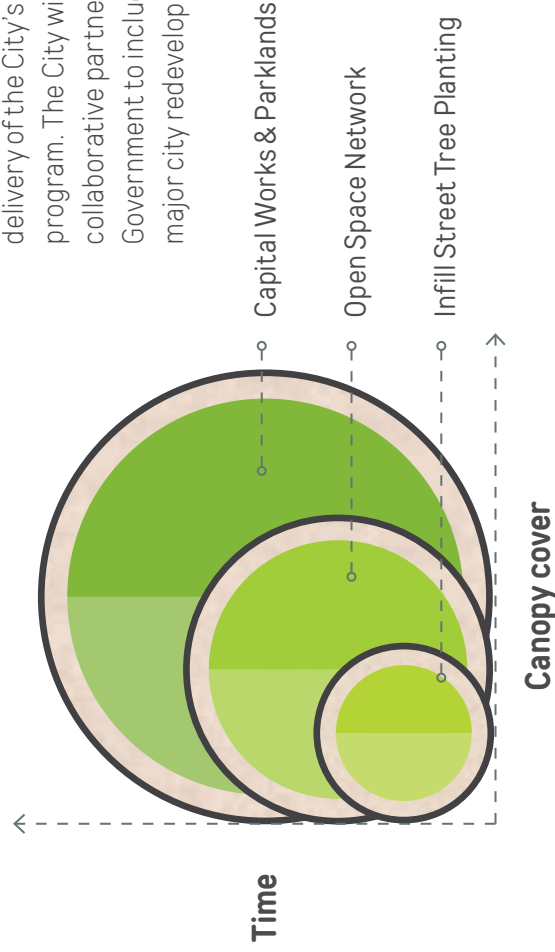


Figure 32. Indicative new tree planting opportunities

New tree planting opportunities will include (see Figure 32):

- Infill street tree planting – a targeted program to plant new trees where there are gaps in existing street tree planting, within each of the City's precincts
- Open space network – targeted new tree planting programs for key parts of the City's wider open space network
- City parklands – increasing the level of canopy cover provided by parkland trees on an on-going basis, as part of the development of tree management and maintenance plans
- Capital works projects – continue to undertake new tree planting as part of the on-going delivery of the City's 10 Year capital works program. The City will also seek to develop collaborative partnerships with State Government to include new tree planting in major city redevelopment projects.

These programs will be delivered on an incremental basis, through the four yearly implementation plans, over the lifetime of the City of Perth Urban Forest Plan.

Priority Objectives

- 4.1 Develop and implement infill street tree planting plans.
- 4.2 Prepare community based urban forest precinct plans.
- 4.3 Update tree procurement processes to ensure the timely availability of new trees.

Other Objectives:

- 4.4 Continue to ensure opportunities for increased tree planting are factored into City capital works projects from the earliest stages of project planning.
- 4.5 Progress the development of new tree planting plans for the City's wider open space network.



Goal 5: Prioritise tree planting to help cool public spaces and City 'hot-spots'

The City will maximise the potential of street and parkland trees to help reduce City temperatures and ameliorate existing 'hot-spots', as part of its goal of increasing the level of canopy cover.

Priority Objectives

- 5.1 Prioritise new tree planting in 'hot spot' areas and public spaces with high levels of pedestrian activity.
- 5.2 Select and plant tree species that have the ability to maximise the urban cooling effect in these areas.
- 5.3 Ensure an adequate level of irrigation is available to maintain the health and maximise the cooling potential of trees in these areas.

Goal 6: Promote balance and resilience in species composition

The City will seek to establish a street and parkland tree population that meets or exceeds recommended standards in terms of tree diversity. In the future, no more than 10 percent of the total population of street and parkland trees will be from the same tree species, 20 percent from the same tree genus and 30 percent from the same tree family.

Priority objectives

- 6.1 Review the City of Perth Street Tree Framework to update and reinforce the 'right tree for the right place' philosophy.
- 6.2 Identify and trial new tree species for future planting in the City's street and parkland spaces.

Other objectives

- 6.3 Complete the Biodiversity Study, as proposed in the City's Environment Strategy. This study will investigate the challenges and opportunities to manage flora, fauna and habitats within the City. It will include an evaluation of habitat type, location, linkages, city ecosystems, flora and fauna population and distribution. The study will inform key operational and capital plans.
- 6.4 Update the Street Tree Framework every four years to take account of the outcomes of tree trials and findings from contemporary research.



Goal 7: Maintain tree health

Appropriate management tools will be developed and implemented to deal with the potential effects of climate change and the specific health challenges currently identified for the City's street and parkland trees.

Priority objectives

- 7.1 Introduce measures for the early detection and treatment of, either an escalation in existing pests and diseases or, the emergence of new ones within the population of street and parkland trees.
- 7.2 Monitor, report and act on any other health impacts of climate change.
- 7.3 Select and plant tree species that are well adapted to existing and emerging environmental challenges, as part of the review of the Street Tree Framework.
- 7.4 Develop and implement practices and procedures for the strategic management of tree risk.
- 7.5 Bring existing management and maintenance practices and procedures for street

and parkland trees in line with best practice, particularly with regard to the issues of:

- the procurement of good quality stock
- tree planting standards
- the aftercare and maintenance of juvenile and transplanted trees.

Other objectives

- 7.6 Prioritise the use of purpose built below ground structural cells where project goals and budgets allow, to help improve the growing environment for new street trees.
- 7.7 Develop and implement a strategy to improve the health of trees in the City's surface car parks.
- 7.8 Introduce measures to ensure that staff and contractors are appropriately resourced, trained and supervised in the implementation of updated management and maintenance practices and procedures.
- 7.9 Develop management options and replacement strategies for significant tree stands with deteriorating structural condition.

Goal 8: Implement a 'whole-of-forest' management approach

The City of Perth Urban Forest Plan represents a first and significant step in promoting a more proactive, strategic 'whole-of-forest' management approach. It sets out a high-level, 20-year vision and associated goals for the protection, management and expansion of the urban forest.

The 'whole-of-forest' management approach is supported by the development of a four-year implementation plan and monitoring framework for the City's Urban Forest.

Priority objectives

- 8.1 Finalise the implementation plan and monitoring framework 2016-2020.
- 8.2 Review and report on the implementation plan and monitoring framework annually.



Other objectives

- 8.3 Update the City's GIS database to record the findings of the Street and Parkland Tree Audit (2015).
- 8.4 Maintain the City's GIS database to record on going changes and support monitoring of the City's street and parkland tree population.
- 8.5 Develop tree management and maintenance plans for the City's parklands and public open spaces.
- 8.6 Implement an appropriate management structure to support the effective planning and management of the urban forest.
- 8.7 Build collaborative working relationships with other city agencies that have a stake in the protection, management and expansion of the City's Urban Forest.
- 8.8 Collaborate with appropriate professional and research agencies with expertise and knowledge in urban forest management.
- 8.9 Complete regular, four yearly audits of street and parkland trees.
- 8.10 Complete regular, four yearly canopy cover and thermal imaging surveys.

Goal 9: Raise community awareness

The following measures will be undertaken to help raise community awareness on the benefits of the urban forest and promote support for the City of Perth Urban Forest Plan:

Priority objectives

- 9.1 Develop and implement a program of community engagement to raise awareness of the Urban Forest Plan and facilitate input into its development.
- 9.2 Update the City of Perth website regularly to enable community access to information on the urban forest and community engagement initiatives.
- 9.3 Promote meaningful community involvement in the development of the urban forest precinct plans.

Other objectives

- 9.4 Develop policies and procedures to help address community concerns and provide guidance on the management and maintenance of urban trees.
- 9.5 Continue to work with the community to increase awareness of environmentally sustainable living and deliver positive environmental outcomes through the delivery of an external engagement programme.



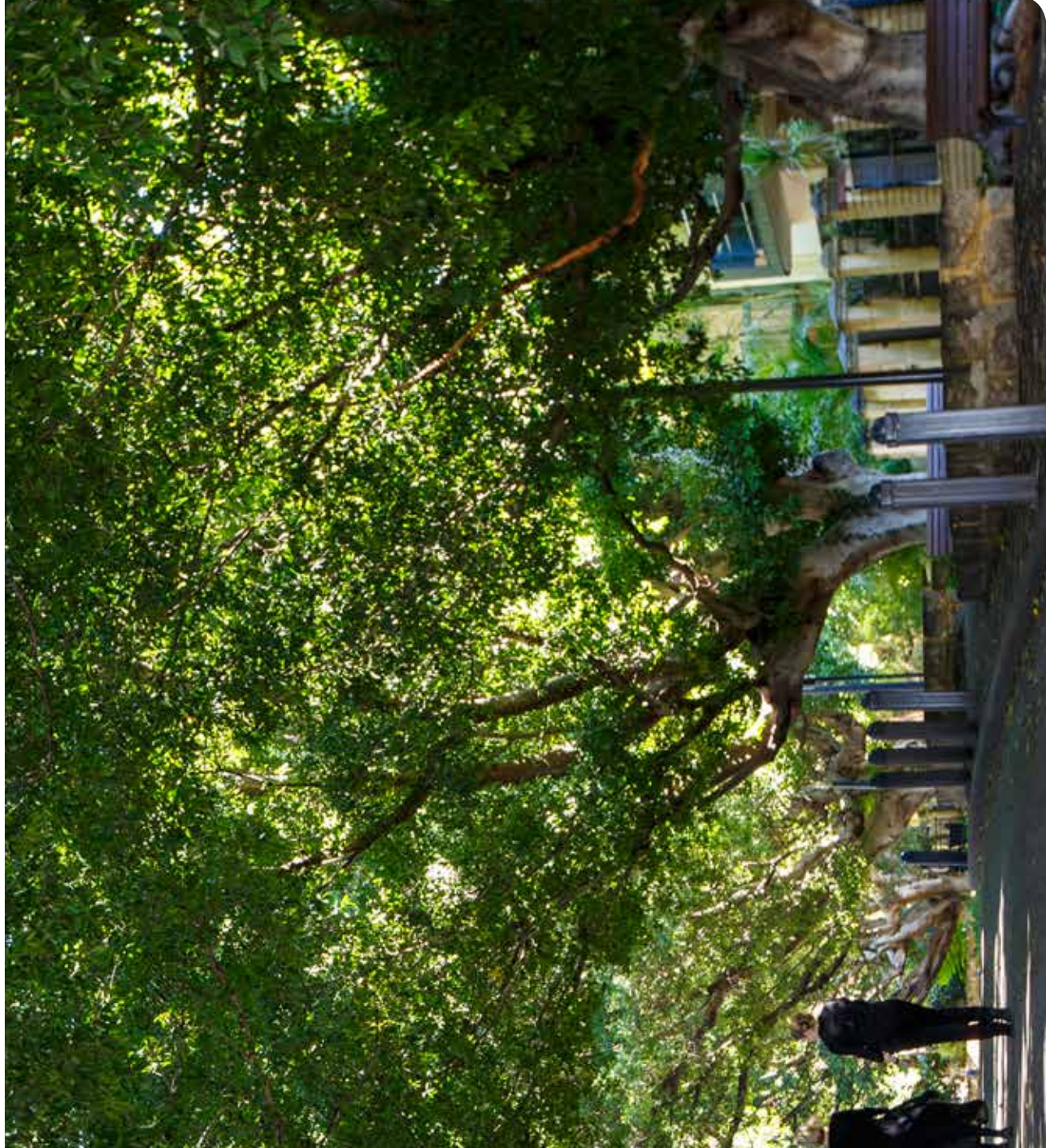
2.3 How we will get there – implementation plan

The Urban Forest implementation plan will drive the delivery of the vision and goals.

The implementation plan will set out the detailed actions required to achieve each of the objectives. It will also identify the responsible lead unit, along with a timeframe and the projected cost of delivering each objective.

The implementation plan will operate on a four yearly timeframe, to align with the City's corporate business planning cycle. It will be reviewed on an annual basis and the findings will inform the annual work programmes for each of the units involved in the delivery of the City of Perth Urban Forest Plan.





2.4 Have we arrived – monitoring framework

The Urban Forest implementation plan will include a monitoring framework to help track the progress of implementing each of the objectives for the urban forest. The Framework will identify a success measure for each objective and record the degree to which that measure has been achieved within a set timeframe.

The monitoring framework will be reviewed every year, as part of the annual review of the implementation plan. This will allow any difficulties or issues emerging with regard to attaining each of the goals to be identified and addressed early, allowing for adaptive management as implementation of the Urban Forest Plan progresses.



Glossary of Terms

Adaptive management

A systematic process for continually improving management by learning from the outcomes of previously employed policies and practices.

Canopy cover

The percentage of urban land covered by tree canopy when viewed from above.

Carbon sequestration

The process by which trees absorb and assimilate carbon dioxide from the atmosphere.

Ecosystem services

Benefits provided to humans by goods and services delivered by ecosystems. (Source: Millennium Ecosystem Assessment 2005)

Green Infrastructure

The term Green Infrastructure (GI) is used to describe the network of green spaces which intersperse, connect and provide vital life support for humans and other species within urban environments. It includes elements such as green networks and links, allotments, cemeteries, community gardens, domestic gardens, roof gardens, green walls, living walls and verges.

Rare trees

A tree species that is considered to be a rare species for the Perth metropolitan area. Consideration is given to the frequency of finding the trees' given species in other areas of metropolitan Perth as well as within the City itself.

Tree amenity

A quality, feature, or attribute of the tree that makes it pleasant, attractive, and agreeable which is conducive to the comfort, convenience, and enjoyment of people. It is a physical feature which increases attractiveness and value of a site through contributions to the physical, psychological, or material comfort of people and which facilitates happiness, pleasure, enjoyment and contentment.

Urban forest

An urban forest is broadly defined as the collection of green spaces, trees and other vegetation that grows within an urban area, on both public and private land.

Urban Heat Island (UHI)

Many urban areas experience elevated temperatures compared to their outlying surroundings, this difference in temperature is what constitutes an urban heat island. (US EPA, 2008)

Useful Life Expectancy (ULE)

An estimation of the useful life remaining for a given tree taking account of its current health condition and known typical lifespan expected for the species in its given location and situation.

Veteran trees:

Trees which are considered to be in excess of 100 years old.

Water sensitive urban design

Integrating water cycle management into urban design processes and outcomes.



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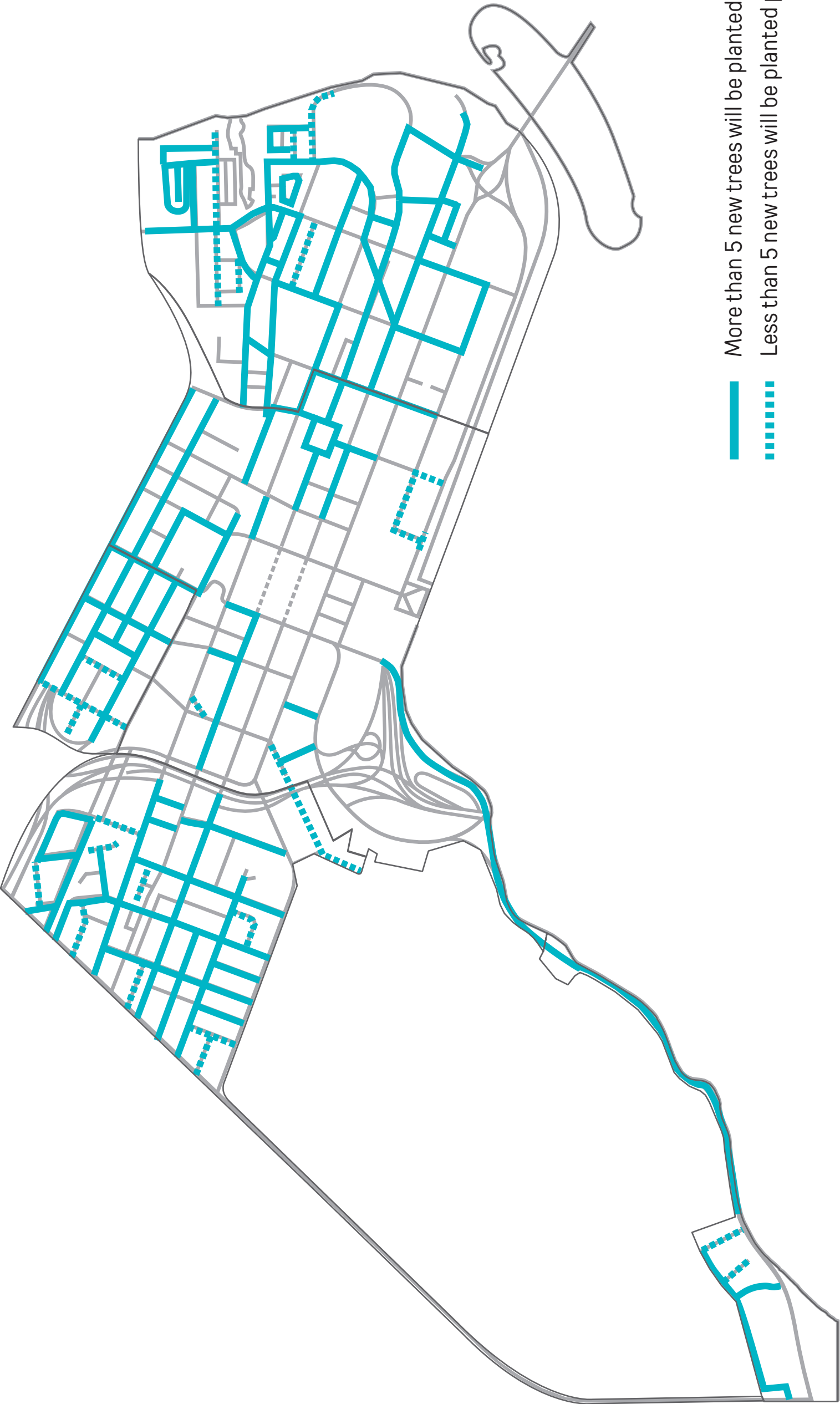
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Concept Map: Infill street tree planting program



CONFIDENTIAL SCHEDULES 10 & 11
ITEM 8 – TENDER NO. 017-16/17 – INSTALLATION,
MAINTENANCE & DISMANTLE OF CHRISTMAS
DECORATIONS 2016 – 2018

FOR THE COUNCIL MEETING

20 SEPTEMBER 2016

DISTRIBUTED TO ELECTED MEMBERS UNDER
SEPARATE COVER

HOURLY RATES FOR LABOUR EQUIPMENT

TENDER NO. 017-16/17
INSTALLATION, MAINTENANCE & DISMANTLE OF CHRISTMAS DECORATIONS

Classification	6AM to 6PM					6PM to 6AM				
	Watway Pty Ltd	Suncourt Pty Ltd	Hender Lee Elec. Contractors Pty Ltd	Gilmore Gopal Pty Ltd	Duratec Australia Pty Ltd	Watway Pty Ltd	Suncourt Pty Ltd	Hender Lee Elec. Contractors Pty Ltd	Gilmore Gopal Pty Ltd	Duratec Australia Pty Ltd
Qualified Electrical Tradesperson:	\$150.00	\$85.00	\$95.82	\$86.00	\$120.00	\$150.00	\$110.00	\$122.52	\$99.00	\$144.00
Electrical Trades Assistant:	\$55.00	\$64.00	\$72.53	\$60.00	\$88.00	\$55.00	\$85.00	\$99.21	\$72.00	\$105.60
Rigger:	\$140.00	\$85.00	\$106.25	\$86.00	\$98.00	\$140.00	\$110.00	\$156.26	\$99.00	\$117.60
Apprentice:	\$55.00	\$64.00	\$68.22	\$60.00	\$88.00	\$55.00	\$85.00	\$94.90	\$72.00	\$105.60
Labourer:	\$55.00	\$64.00	\$72.53	\$60.00	\$93.00	\$55.00	\$85.00	\$99.26	\$72.00	\$111.60

Hourly rates (Excluding GST) for plant items for additional work if required under the contract:

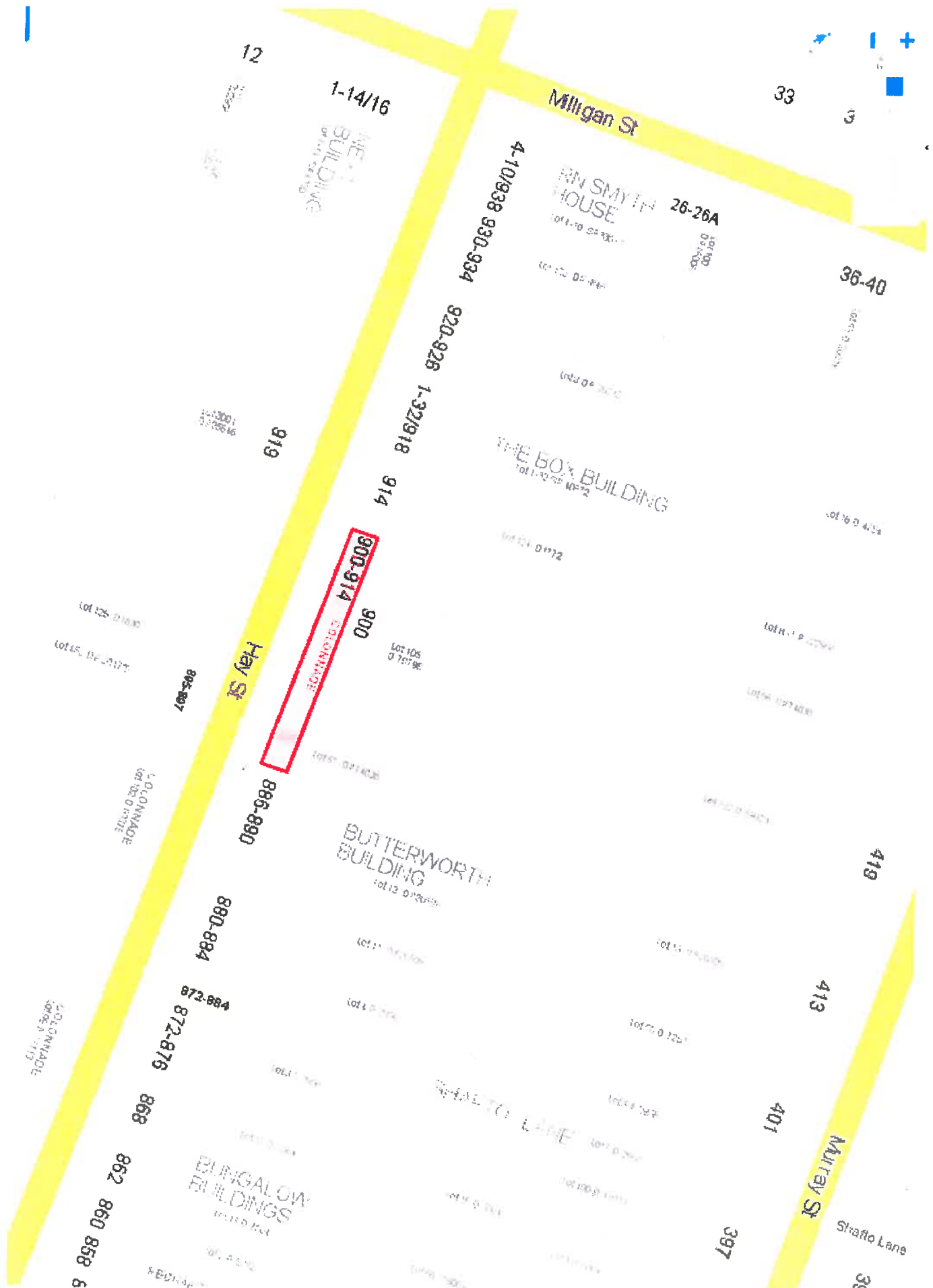
Classification		Capacity/Model	Hourly Rate				
			Watway Pty Ltd	Suncourt Pty Ltd	Hender Lee Elec. Contractors Pty Ltd	Gilmore Gopal Pty Ltd	Duratec Australia Pty Ltd
Crane 20 tonne (22m reach)			\$150.00	\$237.00	\$267.00	\$265.00	\$299.00
			\$95.00	\$75.00	\$269.00	\$124.00	\$36.00
		16m	\$110.00	\$92.50	\$269.00	\$149.00	\$54.00
		19m					
		42m	NA	\$439.00	\$394.00	\$371.00	\$102.00
Hiab Truck		10m	\$140.00	\$92.50	\$248.00	\$115.00	\$70.00
		18m	NA	\$92.50	N/A	\$156.00	\$100.00
Low Loader – 12m extendable			\$400.00	\$182.00	\$289.00	\$184.00	N/A
Other - Scissor lift			\$95.00				N/A
Other - 55m Cherry Picker				\$439.00			N/A
Other -62m Cherry Picker						\$638.00	N/A

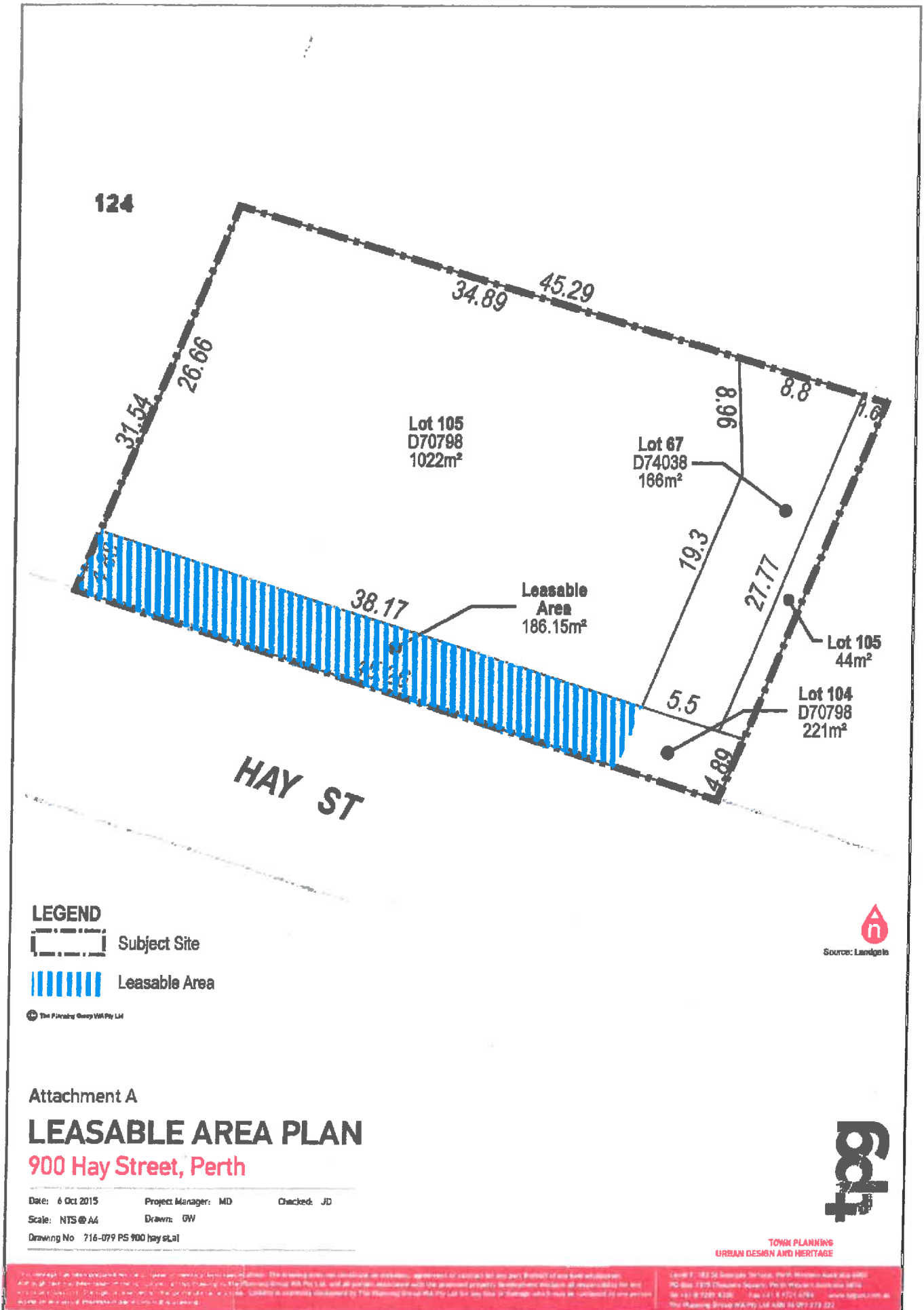
SCHEDULE 13

Lease Terms and Conditions – 900 Hay Street, Perth

Lessor	City of Perth
Lessee	900 Hay Street Pty Ltd
Premises	That part of the land having a lettable area of approximately 186 square metres and situated within Lot 104 on Diagram 70798 (900 Hay Street, Perth).
Permitted Use	Ground Lease
Commencement	TBA
Term	15 Years
Option	5 years
Rent	\$31,300 per annum + GST
Outgoings	N/A
Payment Date	Quarterly from Lease commencement date
Reviews	Annually to CPI and to market every 5 years lease anniversary date
Insurance	Public Liability not less than \$20,000,000
Special Conditions	<p>1. Disability Discrimination Act: The Tenant will, at its own cost, install and implement any necessary measures to ensure that the Premises complies with the requirements of the <i>Disability Discrimination Act 1992</i>. For the avoidance of any doubt, any works carried out by the Tenant under this special condition are subject to the requirements in clause 8 of this Lease</p>

SCHEDULE 14







DA 9-02 REV-1



DA 9-03 REV-1

CP1.9 PUBLIC RELATIONS POLICY - MEDIA STATEMENTS AND PRESS RELEASES

POLICY OBJECTIVE

To provide the Lord Mayor and the Council with a professional internal/external public relations service to ensure that the Council's decisions and activities are accurately and fully advised to the media.

POLICY STATEMENT

The Council's policy on delivery, content and availability of press releases and media statements is as follows:-

1. The Lord Mayor, or in his/her absence the Deputy Lord Mayor or the Chief Executive Officer, are the only persons authorised to provide comment to members of the media on Council decisions and activities behalf of Council and the City of Perth.
2. Councillors may make their own personal position known about any matter, which is pertinent to the business of the City, including Council decisions provided that it cannot be construed to be a statement on behalf of the Council.
3. Councillors will refrain from making personal statements to the media without clearly prefacing such remarks that they are personal views and not those of the Council;
4. There shall not be any adverse reflection on Elected Members, Employees or a Council/Committee decision.
- 5.2. All Elected Members of the Council shall be able to inspect and/or obtain a copy of any press release so filed, at any time.
- 6.3. Media statements and press releases must not include information of an electioneering or personal promotional purpose.
- 7.4 Press releases will be made available to Elected Members and the general public by publishing on the City's website on the day of release.

CP 1.9 - PUBLIC RELATIONS POLICY - MEDIA STATEMENTS AND PRESS RELEASES

Document Control Box							
Document Responsibilities:							
Custodian:				Custodian Unit:			
Decision Maker:							
Compliance Requirements:							
Legislation:							
Industry:							
Organisational:							
Document Management:							
Risk Rating:			Review Frequency:			Next Due:	
						TRIM Ref:	P1007039
Version #	Decision Reference:		Synopsis:				
1.	11/12/89		Previous Policy No. F23, ST7, ST4				
2.	20/08/90						
3.	28/04/98						
4.	30/01/07						