




MINUTES
NARROGIN DISTRICT TOWNSCAPE COMMITTEE MEETING

28 JUNE 2018

The Chief Executive Officer recommends the endorsement of these minutes at the next Meeting of Narrogin District Townscape Committee.

Signed:
(CEO)  Date **4 July 2018**

These minutes were confirmed at the Narrogin District Townscape Committee Meeting held on 9 August 2018.

Signed:
(Presiding Person at the meeting at which minutes were confirmed)

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MINUTES

Narrogin District Townscape Committee

1. RECORD OF ATTENDANCE AND APOLOGIES

The Chair declared the Meeting open at 5.40pm.

Committee Members

Cr C Bartron – Chair

Cr M Fisher – Deputy for Cr Ballard

Mr P White – Community member

Mr N Crossley – Arts Narrogin

Mrs K Bryant – Narrogin Chamber of Commerce

Staff

Mr A Awang – Executive Manager Development and Regulatory Services (EMDRS)

Ms L Bell – Administration Support Officer (ASO)

Ms S Guy – Manager Community Leisure and Culture (MCLC)

Apologies

Cr G Ballard

Mr C Bolton – Forrest Personnel

Mr M Wray – Highbury District Community Council

Observers

Mr D Stewart – Chief Executive Officer (CEO)

Cr B Seale

2. ANNOUNCEMENT BY THE PERSON PRESIDING WITHOUT DISCUSSION

3. CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING

3.1 Minutes of the Meeting held on 29 March 2018

This item is re-presented from the Narrogin District Townscape Committee meeting held on 17 May 2018.

At the Narrogin District Townscape Committee meeting held on Thursday 17 May 2018, there was in attendance, two delegated Elected Members and one Deputy; Cr Seale, who was present as an observer. Although Cr Seale was ineligible to vote, Cr Seale seconded Item 3 - Confirmation of the Minutes of the previous meeting 29 March 2018.

This vote was in breach of the *Local Government Act 5.11A*.

Therefore Item 3 - Confirmation of the Minutes of the previous meeting held on 29 March 2018 is brought forward from the meeting 17 May 2018 and is re-presented to the Committee for endorsement.

OFFICERS' RECOMMENDATION AND COMMITTEE RESOLUTION

Moved: Mrs Bryant Seconded: Mr Crossley

That the Committee endorse the

Minutes of the Narrogin District Townscape Committee meeting held on 29 March 2018 as an accurate record of proceedings.

CARRIED: 5/0

3.2 Minutes of the Meeting held on 17 May 2018

OFFICERS' RECOMMENDATION

That the Committee:

Endorse the Minutes of the Narrogin District Townscape Committee meeting held on 17 May 2018 as an accurate record of proceedings.

COMMITTEE RESOLUTION

Moved: Mrs Bryant Seconded: Mr White

That the Committee endorse the

Minutes of the Narrogin District Townscape Committee meeting held on 17 May 2018 as an accurate record of proceedings subject to the following amendment;

1. The vote at Item 4.1 Terms of Reference – Narrogin District Townscape Committee is amended to include the names of the opposers, Mr Crossley and Mr White.

CARRIED: 5/0

4. MATTERS WHICH REQUIRE DISCUSSION

4.1 Highbury Townscape Study

Attachments

Attachment 1 - Highbury Townscape Study

Background

This item is re-presented from the Narrogin District Townscape Committee meeting held on 29 March 2018.

At the Narrogin District Townscape Committee meeting held on Thursday 29 March 2018, there was in attendance, two delegated Elected Members and two Deputy's; Cr Seale and Cr Fisher who were present as observers. Although they were ineligible to vote, Cr Seale and Cr Fisher moved and seconded Item 4.2 Highbury Townscape Study.

These votes were in breach of the *Local Government Act 5.11A*.

Therefore Item 4.2 Highbury Townscape Study is brought forward from the meeting 29 March 2018 and is re-presented to the Committee for endorsement.

Summary

In October 2015 H+H Architects were engaged to undertake a review of the 1988 Narrogin Townscape Study. The scope of works involved the Consultant undertaking workshops with members of the Community, Councillors and the Narrogin Townscape Advisory Committee.

In February 2017 Council endorsed the 2016 Narrogin Townscape Study Review at its Ordinary Council meeting.

In April 2017 H+H Architects were appointed to prepare a townscape plan for the Highbury town site following a request from the Highbury District Community Council. A draft document and site drawings was received by the Shire in June 2017, and forwarded to the Highbury District Community Council and the Narrogin District Townscape Committee for comment.

Both the Highbury District Community Council and the Narrogin District Townscape Committee responded to the draft with comments and questions which were addressed by H+H Architects Tom Stevens, and amendments were made to the document and site drawings in accordance with the request by the Highbury District Community Council.

Comment

The draft report was amended with the requested changes by the Highbury District Community Council and was endorsed by that Committee at its Ordinary Meeting held on 27 February 2018.

Consultation

Aaron Cook CEO
Highbury District Community Council
Narrogin District Townscape Committee
H+H Architects

OFFICERS' RECOMMENDATION

That the Committee:

- 1 Endorse the Highbury Townscape Study prepared by H+H Architects as a proposed design concept for the future development of the Highbury town site; and
- 2 Ensure that the tree species planted are consistent with the Shire of Narrogin's Street Tree Policy.

COMMITTEE RESOLUTION

Moved: Mr Crossley Seconded: Mr White

That in relation to the Highbury Townscape Study the Committee recommend that the Council:

1. Endorse the Highbury Townscape Study prepared by H+H Architects as a proposed design concept for the future development of the Highbury town site; and subject to;
 - a. The document being amended to require that tree species planted are consistent with the Shire of Narrogin's Street Tree Policy.

CARRIED: 5/0

HIGBURY TOWNSCAPE PLAN
PREPARED FOR THE SHIRE OF NARROGIN
Final inc community comments December 2017



INTRODUCTION

Following the recent completion of the Narrogin townscape study review, H+H Architects have been engaged by the Shire of Narrogin to undertake the preparation of a townscape study for the town of Highbury.

This study has been undertaken by H+H Architects with assistance from Sally Malone from Malone Design.

The methodology in approaching this review has been to visit the town and meet with the community to ascertain what is considered important for the future development of the town centre, followed by the preparation of this report and sketch plan.

This report references the Narrogin Townscape study and is designed to be read as an appendix of the main report.

Based on a review of the preliminary project brief, H+H Architects have identified the key aspects to the project, namely;

- Streetscape Opportunities
- Town Hall and surrounds enhancements
- Stopover bay improvements

STREETSCAPE OPPORTUNITIES

Highbury is a compact little town set along the primary streets of Burley, Wilson and Campbell Streets and bounded by the Great Southern Highway (Scott St) to the east. Town centre homes are surrounded by a ring of nature reserves and undeveloped bush lots. Beyond this bushland frame is farmland and the town of Narrogin; 15km to the north.

Community life in Highbury is centered around the General Store and Tavern on the highway and the Town Hall and its recreational surrounds. The General Store has banners flying to announce that it is open for business, sells fuel and refreshment to visitors, and stocks an assortment of staple supplies for locals. The tavern is a beautiful 'colonial' style building with shady verandahs, a beer garden which hosts market days and events, and indoor dining and bar areas.

The Town Hall is the focal point for most community events, including ANZAC ceremonies which are run at the adjacent memorial. 6 tennis courts back onto the Hall and there are toilets, play equipment, a small park and a basket ball hoop.

The Tavern and Town Hall are linked by red concrete pedestrian footpaths and wide roads with some verge tree planting. Visitors stopping in the town mainly park at the Westrail bus Stopover on the Highway opposite the General Store. The bay is equipped with public toilets, a giant sun dial, and picnic tables set among shady trees.

The town is neat and tidy and very compact, opportunities for enhancing its streetscape have been identified by local residents as:

1. Enhancing the highway Stopover bay, and
2. Improving the facilities and appearance of the Town Hall and its surrounds.

We would add a further opportunity, which is strengthening the links between the three activity areas of the town; Hall, Stopover bay and Tavern to make these easier for local residents to access and to highlight them as assets for visitors.

Local residents would also like to see the entry statements to the town upgraded, particularly on the north and south approaches.



View of Wilson Street looking South

ENHANCEMENT RECOMMENDATIONS

Recommendations for townscape enhancement opportunities have been grouped into 4 projects:

1. Town Hall and surrounds enhancement;
2. Stopover bay development
3. Street verge improvements, and
4. Entry Statement upgrades.

1. Town Hall and Surrounds Enhancement

The Highbury community have had discussions on what the issues at the hall and courts are, and what they would like to see improved. They have agreed that:

- The ANZAC memorial needs more space and to be brought into the precinct more – rather than left isolated on the road verge;
- A better park to the west of the hall (Wilbur Park) would allow a variety of community events (such as outdoor movies) to be run and provide a space for locals to enjoy as a community hub;
- Play equipment needs to be located so tennis parents can supervise toddlers better and a separate space and equipment for older children is needed, and
- A small collection of adult outdoor gym equipment near the park would add fitness activities to the existing walk circuit being used in the town.

In addition, the community requested that the toilets behind the hall be upgraded for better access. This could be achieved by reconfiguring the entry area to provide compliant disabled access whilst protecting privacy and providing weather protection.

The community have prepared a sketch for the possible location for improvements. We have used this as the base for the concept plan prepared in this report.

The plan contained at the rear of this report illustrates the concept and includes annotations and notes for additional initiatives and recommendations. The recommendations have been broken into discrete project parcels to assist with funding and Shire budgeting – these are outlined in the Implementation Strategy at the rear of this report.



View of the ANZAC memorial

2. Stopover Bay Development

The Shire has in recent years installed a toilet with disabled access at the stopover bay and will be erecting 3 banner poles adjacent to the sun dial and windmill. The community are in the process of sourcing funding for a fire fighting centre (truck, shed etc) and additional museum facilities around the existing wagon shed. This bay is also used by the Westrail bus, and a double sided shelter is needed for waiting passengers.

The bay has areas of shady trees and is an attractive stopping point for visitors who want a meal in the tavern or supplies from the Store. It is also used by truck drivers to drop haulage trailers and take a break.

The Stopover bay's attractiveness could be improved by:

- Formalising vehicle access and parking areas to reduce the expanse of open gravel;
- Additional tree planting for shade and to screen and soften less attractive areas, and
- Installation of a bus shelter, with the option to include information on the town and district, interpretation and/ or public artworks in the shelter.

The function of the Stopover bay could be improved with:

- New direction signage highlighting facilities at the Town Hall, and directions to the Tavern and General Store and any other town facilities or attractions.
- Clearer and more accessible pedestrian crossing points, and
- An RV waste dump point adjacent to the toilet (but not blocking access to the planned fire station).

The adequacy of night and security lighting may also need to be considered in improvements of the bay.

Possible staging options for budget purposes are outlined in the Implementation Strategy.



View of the stopover bay on Great Southern Highway

3. Street Verge Improvements

Highbury has wide verges and each of the four main streets has a footpath on one verge and overhead power lines on one side. A walk circuit around Burley, Wilson, Campbell and Scott Streets is used by locals, and marked with name plaques on some streets.

The footpaths are in good condition, but are very exposed, and the lack of street tree avenues in the town streets makes them feel very wide and somewhat uninviting.

A programme of incremental street tree planting is recommended to provide shade over footpaths and help strengthen pedestrian links. Care needs to be taken when planting under overhead power lines to select low-growing species.

Usually one tree species is selected for a verge avenue, but the tree planting on Wilson St behind the toilet includes a mix of eucalypts which look great as a set, and are united by their size (see picture below). The advantage of a mixed avenue like this is that they often have different flowering times, and if one type of tree fails to thrive, the others help to fill the gaps.

The spacing used on Wilson St adjacent to the Town Hall is ideal for providing connecting shade and these species are also suitable for use under power lines.



The following tree species recommendations are taken from the 2016 Narrogin Townscape Study as being suitable for local conditions and in keeping with the Study's streetscape recommendations for the Shire.

Burley St

South Verge (under power lines)

Eucalyptus newbeyi

Eucalyptus tenera

Eucalyptus torquata

Callistemon viminalis

Eucky Dwarf (cultivar of *leucoxyton*)

North Verge (adjacent to footpath)

Eucalyptus leucoxyton subsp. *leucoxyton*

Eucalyptus nicholii

Eucalyptus sideroxyton rosea or *E. tricarpa*

Eucalyptus scoparia



UPGRADE TO ENTRY STATEMENT

TAVERN

STOPOVER BAY

HIGHBURY GENERAL STORE

WILBUR PARK

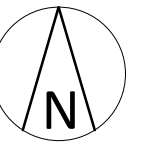
UPGRADE TO ENTRY STATEMENT

OVERFLOW CARAVAN PARKING /
SPECIAL EVENT AREA

HIGHBURY OVERVIEW

SHIRE OF NARROGIN

DRAWING No SK 1
DRAWING LANDSCAPE CONCEPT
SCALE NTS @ A3
JOB NUMBER 0132-15
DATE 21.07.2017
DRAWN DN











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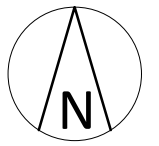


LEGEND

-  EXISTING TREE TO REMAIN
-  NEW NATIVE TREES WITH CANOPY SIZES AS INDICATED
-  NEW DECIDUOUS TREES
-  NEW FASTIGATE (TALL SLENDER) DECIDUOUS TREES
-  NEW PICNIC SEATING
-  NEW BENCH
-  NEW EVENT POWER
-  EXISTING POWER POLE

WILBUR PARK HIGHBURY SHIRE OF NARROGIN

DRAWING No SK 2
 DRAWING LANDSCAPE CONCEPT
 SCALE 1:500 @ A3
 JOB NUMBER 0132-15
 DATE 23.06.2017
 DRAWN DN



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INFORMAL PULL OVER AREA

NEW FIRE SHED

BUS SHELTER

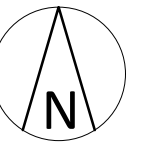
LANDSCAPED BUFFER TO ROAD

TOILETS

MACHINERY MUSEUM

STOPOVER BAY HIGHBURY SHIRE OF NARROGIN

DRAWING No	SK 3
DRAWING	LANDSCAPE CONCEPT
SCALE	1:500 @ A3
JOB NUMBER	0132-15
DATE	23.06.2017
DRAWN	DN



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4.2 Proposed Street Tree Policy

Attachments

Attachment 1 - (Draft) 2017 Street Tree Policy (2010 Street Tree Policy revised and edited)

Attachment 2 - Town of Narrogin Street Tree Planning: Selections and Recommendations (2010)

Background

This item is re-presented from the Narrogin District Townscape Committee meeting held on 29 March 2018.

At the Narrogin District Townscape Committee meeting held on Thursday 29 March 2018, there was in attendance, two delegated Elected Members and two Deputy's; Cr Seale and Cr Fisher who were present as observers. Although ineligible to vote, Cr Seale moved Item 4.3 Street Tree Policy.

This vote was in breach of the *Local Government Act 5.11A*.

Therefore Item 4.3 Street Tree Policy is brought forward from the meeting 29 March 2018 and is re-presented to the Committee for endorsement.

Summary

At the Meeting held on 30 June 2016 it was noted that a Street Tree Policy was required to address the planting of appropriate trees. Subsequent Townscape Committee meetings throughout 2016 identified the need for the Street Tree Policy to address specific areas such as:

2. Damage to assets; i.e. roots interfering with footpaths and drains;
3. Interference with electrical supply i.e. branches and foliage affecting power poles and overhead power lines.

At the meeting held on 8 September 2017 it was reported that trees had been replaced in accordance with the *2010 Street Tree Planning: Selections and Recommendations Guide*. It was further noted a draft tree planting policy would be presented to the Committee for comment.

At the Meeting held on 9 November 2017 it was reported that the 2010 Street Tree Policy had been edited by the Executive Manager Technical and Rural Services.

Comment

The Committee are invited to comment on the attached draft 2017 Street Tree Policy. Developing a list of priority street tree planting will be addressed as a separate Minutes item at a later date.

At the Narrogin District Townscape Committee meeting held on 29 March 2018 the Officers Recommendation was that the "Narrogin District Townscape Committee Accept and Endorse the 2017 Street Tree Policy".

OFFICERS' RECOMMENDATION

That the Committee:

Accept and Endorse the 2017 Street Tree Policy with the following amendment;

- 1 Section 3. Tree Planting and Replacement (b) Trees will be chosen from the approved species list in the *Street Tree Planning: Selections and Recommendations* by the Executive Manager Technical and Rural Services

COMMITTEE RESOLUTION

Moved: Mr White Seconded: Cr Fisher

That the Committee recommend that the Council:

Accept and endorse the 2017 Street Tree Policy with the following amendment:

- 1 Section 3. Tree Planning and Replacement (b) Trees will be chosen by the Executive Manager Technical and Rural Services from the approved species list in the *Street Tree Planning: Selections and Recommendations Report 2010*.

CARRIED: 5/0

REASON FOR CHANGE

Following some discussion the Committee felt that this recommendation should be amended to include an amendment to Section 3 Tree Planting and Replacement in which the Executive Manager Technical and Rural Services was noted as the approved officer.

X.X Shire of Narrogin Street Tree Policy 2017 (Draft)

Statutory context None

Corporate context None

History Adopted (date adopted by Council)

Policy Statement

1. Trees are a valuable community asset, enhancing both the built and the natural environment of the Shire. They contribute to the well-being of the community and through their longevity serve as a cultural link through generations.
2. The Shire of Narrogin recognises these values and is committed to the protection and maintenance of trees whilst maintaining its obligations to provide a safe environment.

Policy Application

1. Tree Protection

- a) All trees on land under the care and control of the Shire of Narrogin will be protected in accordance with relevant local laws, regulations and acts and these guidelines.
- b) Significant trees on council and public property will be recorded in the *Street Tree Planning: Selections and Recommendations*.
- c) For development applications, retention of mature trees or trees of significance on public property may be included as a condition of approval, subject to Council decision.
- d) Trees on private property are the responsibility of the land owner.

2. Tree Removal

- a) Authorisation: Removal of any tree on Shire of Narrogin controlled property can only be given by the Executive Manager, Technical and Rural Services (EMTRS), or the Chief Executive Officer (CEO). Disputes may be subject to formal referral to Council. Applications for tree removal must be in writing stating the reason why the tree should be removed.
- b) Replacement: In most instances of tree removal and where practicable, a replacement tree will be planted in a suitable location at the discretion of the EMTRS with reference to the *Street Tree Planning: Selections and Recommendations*.
- c) Removal not justified: Tree removal will not be justified by any of the following reasons:
 - i. Tree obscuring commercial advertising signs
 - ii. The growth of the tree is obstructing views
 - iii. Tree litter/leaf fall/debris
 - iv. Tree casting unwanted shade
 - v. Resident requests an alternate species
 - vi. A perceived danger a tree might fall in a storm
- d) Removal justified: Tree removal may be justified by any of the following reasons:
 - i. The tree is dead or dying and remedial techniques are not possible
 - ii. The tree is causing damage to property, infrastructure or public utilities and the cost of remedial works outweighs the value of the tree

- iii. Where, subsequent to a risk assessment undertaken by the Shire of Narrogin, the tree presents an immediate danger to the public

3. Tree Planting and Replacement

- a) The Shire shall be responsible for the planting and replacement of all street trees, trees in parks and trees on land under the care and control of the Shire of Narrogin.
- b) Trees will be chosen from the approved species list in the *Street Tree Planning: Selections and Recommendations* by the EMTRS.
- c) Trees under power lines whether new or replacement planting, will only be low growth species as listed in the *Street Tree Planning: Selections and Recommendations*, with the aim of reducing pruning costs and making better use of the Shire's resources.
- d) Well established trees will continue to be pruned as required, unless they are deemed as an unsuitable species by EMTRS whereby they may be removed.
- e) All tree planting near assets such as footpaths, roads, fences, installations such as electricity, water and other utilities where root invasion may cause damage to such asset will include the installation of root guards, to reduce or eliminate damage to other assets and property.
- f) Trees should be planted in winter, preferably June and July
- g) Local native species will be used when planting in rural or bushland areas.

4. Street Tree Pruning and Maintenance

- a) Pruning and maintenance of trees will be undertaken by the Shire of Narrogin in an annual program which gives priority to under powerline pruning, the CBD, parks and other significant public spaces, and attends to other trees on an as needs basis.
- b) Tree pruning will only be authorised to be undertaken by personnel approved by the Shire of Narrogin who have suitable training and practical experience in arboricultural techniques.
Trees under powerlines will be pruned to meet clearance requirements as directed by Western Power or other electrical utilities of the day.
- c) Pruning will not be carried out for purposes such as to improve views, reduction of leaf fall debris, to provide visual access to commercial signs reduction of shade or other reasons that may detract from the natural amenity and purpose of the tree or where pruning will affect the health and structural integrity of the tree.
- d) The Shire of Narrogin will water new tree planting through the first two years on an as needs basis. Should a resident wish to water and care for a new street tree that is directly in front of or adjoining their property then the EMTRS may approve this.

5. Development Requests

- a) Where tree removal is approved in a development plan at the request of private land owners or commercial developers, the full cost of the tree removal including stump grinding and site remediation will be met by the applicant. All attempts must be made to retain healthy suitable trees in the first instance.
- b) Where the relocation of a crossover or a request for vehicular access requires tree removal the applicant must meet the cost of the tree removal as in 5 a. All attempts must be made to retain healthy suitable trees including finding an alternative location for a crossover so as to retain a tree.
- c) Where trees are indicated for removal on a streetscape plan, landscape plan or works program approved by the Shire, an equal number of trees may be planted in other suitable sites at the discretion of the EMTRS.

- d) All trees to be provided as a result of development requests will be chosen with reference to the *Street Tree Planning: Selections and Recommendations* and authorised by the EMTRS.

6. Public Awareness & Community Responsibility

- a) The Shire of Narrogin will encourage property owners to retain trees on private property, particularly where they contribute to the skyline or streetscape.

Residents wishing to extend garden planting onto their verge must seek permission from the Shire, ensuring thoroughfare is retained, and site lines are not hindered. The applicant will supply plan/design to the EMTRS for approval. The maintenance of verge plantings will be by the private land owner. The Shire reserves the right to remove the verge planting at any time due to disputes, the planting representing a hazard or at the discretion of the EMTRS.

- b) Businesses, schools and government organisations will be encouraged to develop and maintain appropriate plantings particularly on the street front verge. The maintenance of verge plantings will be by the private land owner. The Shire reserves the right to remove the verge planting at any time due to disputes, the planting representing a hazard or at the discretion of the EMTRS.
- c) Residents will be encouraged to monitor the needs of newly planted trees adjacent to their property and provide additional watering when required.
- d) Disputes between neighbours over trees that are not under the jurisdiction of the Shire will not be entered into, unless the tree presents a hazard, whereby the Local Government Act 1995 will be referred to.
- e) Annual street tree planting will be undertaken by the Shire. Residents will be able to request street trees to be planted on their verge by contacting the Shire. The tree species will be determined by the Shire of Narrogin with reference to the *Street Tree Planning: Selections and Recommendations*.

– End of Policy

Notes

Abbreviations

EMTRS Executive Manager, Technical and Rural Services
 CEO Chief Executive Officer
 CBD Central Business District

Town of Narrogin - Street Tree Planning; Selections and Recommendations

1. Location: CBD	Design Aims ^{1,2,3}	Species recommendations	Layout / spacing recommendations	Comments on site
Fortune St. (Federal St – Earl St.)	Shelter, form, manageability, uniformity	<i>Ulmus parviflora</i> – Todd or Green English <i>Syzygium Blaze</i> or Allens magic) / <i>Westringia fruticosa</i> selections	Existing spacing satisfactory	All existing trees in centre of road way to be removed. Trees on pathways could be removed gradually once new trees become established. Garden beds to be replenished
Fortune St (Earl St – Williams rd)	Shelter, screening, colour	<i>Ulmus parviflora</i> – Todd or <i>Green English</i>	Nth Side Sth Side	Continue planting up to Park (see suggestions for Memorial Park Some older trees under powerlines may need to be removed
Egerton St (Federal St – Earl St.)	Form, view (taller trees to match building height)	<i>Pyrus calleryana</i> / Bradford. – spreading crown	– alongside existing shops – shops to roundabout. Variable spacing according to available sites	Options 1. Planting mainly to the west of the shops – avoid problems with verandahs 2. Plant <i>Populus</i> or similar spp. off verge in front of Bottle shop and RSL / Old Ambulance Hall Remove palms from near Bintamilling Arcade
Park St (Federal St – Kennedy St)	Colour, consistency	<i>Jacaranda mimosifolia</i>	Maintain existing spacing, some additional plants in Govt Offices	This species suited only to lower slope (note: pruning schedule necessary for best visual results)
Park St (Kennedy St – Earl St.)	Shelter, colour, screening	<i>Eucalyptus. newbeyi</i> <i>Eucalyptus tenera</i>	Nth Side Sth Side	Shallow soils require change of species 8 – 10m depending on space

¹ The underlying themes in all areas is that of suitability to site, which includes soils, moisture quantity and availability, growing space, etc

² Impact and aesthetic appeal can be achieved through many plant characteristics and / or layout and density

³ Historic category difficult to quantify – many historic trees no longer deemed suitable

Town of Narrogin - Street Tree Planning; Selections and Recommendations

1. Location: CBD	Design Aims ¹²³	Species recommendations	Layout / spacing recommendations	Comments on site
Park St (Federal St – Fairway St)	Planned, structured, historic link	<i>Agonis flexuosa</i> (after dark) / <i>Melaleuca bracteata</i> (Revolution Gold) with <i>Alyogyne hakeafolia</i>	Planter boxes “Collie” style	Links to railway goods shed and RL. Both sides of street (may be limited near Chicken Treat). Small picnic site near CT to be developed at same time.
Smith St	Not assessed			Need to develop specific recommendations should the project be approved
Earl St (Council Offices to Fortune St)		<i>Prunus nigra</i>	W Side	Discuss landscaping options with Police Dept and Masonic Lodge to link in with streetscape work
(Fortune St to Egerton St)				
(Egerton St to Smith St)	Form, uniformity, colour	<i>Pyrus calleryana</i> : Bursnozam “Burgundy Show”	In ribs. Most line up, some offset, but still in straight lines	Remove existing trees from alongside Coles
(Smith St to Ensign St)			E Side	Remove and replace existing trees up to council office Library Lawn – reduce lawn size, some paving and seating
(Ensign St. to Clayton Rd)				
Earl St (Clayton Rd to Exeter St)	Form, colour	<i>Melaleuca linearifolia</i> (Snow in summer), <i>Allocasuarina torulosa</i> (Rose sheoak)	Opposite Bowling Club only	Increase size of verge, create angle parking

Town of Narrogin - Street Tree Planning; Selections and Recommendations

1. Location: CBD	Design Aims ¹²³	Species recommendations	Layout / spacing recommendations	Comments on site
Federal St (Clayton Rd to Exeter St.)	Stature, form, uniformity	<i>Eucalyptus maculata</i> (Spotted Gum)	Group planting, no lines	Clean trunks and stature will create and attractive feature, may attract people to use the area, trees can develop to maturity without causing any problem. May need to negotiate with several interest groups. Good location for "historic" tree plantings
Federal St. (Clayton Rd to Edgerton St)	Uniformity, colour, form	<i>Ulmus glabra</i> (Golden Elm)	In nibs	Remove <i>Hymenosporum</i> . Remove <i>Populus</i> from under street lamp. Retain <i>Ficus</i> sp.
Federal St. (Egerton St. to Park St)	Form, stature	<i>Tipuana tipu</i> on corners, <i>Lophostemon</i> / <i>Populus</i> on street	Maintain existing species and spacing	Develop a more sympathetic pruning regime for <i>Lophostemon</i> , instigate pruning on <i>Populus</i>
Federal St. (Park St to Falcon St)	Form, stature	Maintain existing species	Maintain existing species and spacing	Develop a more sympathetic pruning regime for <i>Lophostemons</i>
Federal St. (Falcon to Forrest)	Form, colour, continuity	<i>Prunus nigra</i> <i>Ulmus glabra</i> (Golden Elm)	W Side, under power lines, will need closer spacings E Side, no powerlines	Some existing trees white ant affected trees will need to be removed and replaced.
Federal St. (Forrest St to Butter Factory)	Form, colour, continuity	<i>Prunus nigra</i> <i>Ulmus glabra</i> (Golden Elm)	W Side, under power lines, will need closer spacings E Side, no powerlines	Some existing trees white ant affected trees will need to be removed and replaced.
Federal St. (Butter Factory to town outskirts)	Neatness	Maintain existing species	Various	Remove fence from planted area near MRD, removed dead trees / slash both sides of road.

Town of Narrogin - Street Tree Planning; Selections and Recommendations

2. Location: Entry Roads	Design Aims	Species recommendations	Layout / spacing recommendations	Comments on site
Roundabout	Colour, visual impact	Maintain existing species	Maintain existing layouts	Establish and maintain maintenance program
Williams Road (Earl St to Johnston St)	Form, visual impact	<i>Jacaranda mimosifolia</i> <i>Prunus nigra</i>	As available	Northern side, powerlines, access to additional moisture. Some existing trees to be removed Southern side, no powerlines site. Some existing trees to be removed.
Williams Road (Johnson St. to Daghish St)	Form, visual impact	<i>Callistemon viminalis</i> <i>Eucalyptus tenera</i> , <i>E. erythronema</i>	Northern side, (powerlines) Southern side	Limited access to additional moisture. Some existing trees to be removed. Very harsh site. Some existing trees to be removed. closer spacings to match tree stature
Williams Road (Daghish St to Narrakine Rd)	Form, visual impact	<i>Prunus nigra</i> <i>Jacaranda mimosifolia</i> <i>Melaleuca linearifolia</i>	Northern Side Southern Side	Shorter species under powerlines. Some existing trees may need to be removed. Taller trees on southern side with no powerlines Maintain planting pattern of alternate <i>Jacaranda</i> / <i>Melaleuca</i>
Williams Road (Narrakine Rd to Cemetery)	Neatness	Maintain existing species	Mtc of bush / existing trees, clumps, not rows	See Section on Car Parks and Grounds for Cemetery options Need signposts for truck parking Information bay needs some tree pruning Ongoing pruning / slashing of verges

Town of Narrogin - Street Tree Planning; Selections and Recommendations

2. Location: Entry Roads	Design Aims	Species recommendations	Layout / spacing recommendations	Comments on site
Clayton Rd (Federal St to May St)	Colour, order, form	<i>Eucalyptus leucoxyton</i> subsp. <i>leucoxyton</i> <i>Callistemon viminalis</i> <i>Melia azedarach</i> (Caroline)	Nth Side of road Sth Side of road, trees at closer spacings Plantings on verge of parking area at JH centre	Broken landscape, powerlines Need to link planting to Earl St. Few good trees remaining No trees near tennis court No trees near swimming pool No trees near bowling green Remove and replace trees near hockey fields Entrance signs needed on roadverge for John Higgins, Rec Centre and Watercourse Cafe Consider planting some larger trees behind the John Higgins centre to break up the outline of the building
Clayton Rd (May St - Lefroy St)	Colour, uniformity	<i>Eucalyptus leucoxyton</i> subsp. <i>leucoxyton</i> <i>Callistemon viminalis</i>	Nth Side of road Sth Side of road, trees at closer spacings	Some trees of each species already growing, new trees can be matched in with these.
Lefroy St (Clayton Rd to Williams Rd)				Not assessed yet
Roundabout Link Road, Clayton Road, Kipling St	Colour, form	<i>Mixed species</i>	Dependent on species	Difficult site See MRD re species choice
Kipling St Roundabout to Wickepin rd	Form, impact, feature	<i>Callistemon viminalis</i> <i>Eucalyptus leucoxyton</i> subsp. <i>leucoxyton</i>	Nth Side. Up to 3 / house frontage Sth Side. 3 / house frontage	Variable spacing to fit circumstances Most existing trees in poor condition and will need to be removed (poss keep <i>Brachydictyon</i>). Clean up and slash roadverge to 90 km sign. Very irregular spacings with some good trees, may

Town of Narrogin - Street Tree Planning; Selections and Recommendations

2. Location: Entry Roads	Design Aims	Species recommendations	Layout / spacing recommendations	Comments on site
Gt. Stn H ^w ay (Nth)	Form, impact	<i>Melaleuca leucodendron</i> or <i>M. lanceolata</i>	W Side. Up to 3 per house frontage E Side. Planting in Park, not road verge	need to phase changes in gradually See comments in point 6 Hard site, needs good preparation No room for plants between Northwood and Kipling St Clean up and slash roadverge to 80 km sign Check out species in park and match to these.
Gt. Stn H ^w ay (Stn) – see Federal St				
Link Road (Section 2)	Colour, form, impact	<i>Melaleuca strobophylla</i>	Clumps in open areas at either end of road	Limited options, alignment broken by gutters, bridge, fences and existing vegetation. Need to focus more on health of existing verge plantings. It may be possible to plant some trees in the median strip (very limited space) Consider some matching plantings of <i>Washingtonia rubusta</i>
Herald St (Federal St to Havelock St)	Colour, form	<i>Callistemon viminalis</i> (red flowers) <i>Melaleuca linearifolia</i> / <i>M. quinquinervia</i>	N Side (powerline) S Side	More open area, needs some larger trees, sight lines important near major intersections and railway line, some useful existing trees to match species, some buildings to consider
Herald St (Havelock St to Argus St)	Colour, form, uniformity	<i>Callistemon viminalis</i> (yellow flowers) <i>Ulmus parviflora</i>	N Side (powerline) S Side	A few good trees remaining that could be retained
Herald St (Argus St to Outskirts)	Colour, form, impact	<i>Callistemon viminalis</i> (pink flowers) <i>Eucalyptus stricklandii</i>	N Side (powerline) S Side, 2 -3 per block frontage	Not much space, some existing garden plantings, needs some smaller sized trees

Town of Narrogin - Street Tree Planning; Selections and Recommendations

2. Location: Entry Roads	Design Aims	Species recommendations	Layout / spacing recommendations	Comments on site
Forrest St (Federal St to Glyde St)	Colour, uniformity	<i>Prunus nigra</i> <i>Callistemon viminalis</i> , <i>Callistemon salignus</i> and <i>Melaleuca linearifolia</i>	Nth Side (powerlines) Sth Side	Many specimens of these species already growing. Closer spacing for smaller sized trees, Callistemons would do well in the moist site
Forrest St (Glyde St to Floreat St)	Colour, stature	<i>Callistemon viminalis</i> Mixed <i>Eucalyptus</i> spp. E.g. <i>torquata</i> and <i>leucoxydon</i>	Nth Side (powerlines) Sth side	Scattered specimens already present, very little of anything else Retain small patch of resident planted <i>Jacaranda mimosifolia</i> outside Karinya
Forrest St (Floreat St to Narrakine Rd)	Colour, stature	<i>Callistemon viminalis</i> Mixed <i>Eucalyptus</i> spp. E.g. <i>torquata</i> and <i>leucoxydon</i> <i>Allocasuarina turrolosa</i>	Nth Side (powerlines) Sth Side Sth Side	Note: very limited planting opportunities McKenzie st to Narrakine rd. Many specimens already present, very little of anything else Forrest St block verge (Need to make recommendations for the Forrest Street development)
Narrakine Rd (Williams Rd to Forrest St)	Colour	No plantings required <i>Eucalyptus torquata</i>	W Side (powerlines) E Side	Foxes Lair reserve Very limited space between path, road, driveways etc
Narrakine Rd (Williams Rd to Clayton Rd)	Colour, shade	<i>Callistemon viminalis</i> <i>Eucalyptus</i> spp e.g. <i>torquata</i>	W Side (powerlines) E Side	No planting options from Williams road to Hough St on W side alongside Motel and reserve. Continue theme on E side, but with smaller stature rough barked trees. Pathway on E side could compromise planting, need to assess site carefully

Town of Narrogin - Street Tree Planning; Selections and Recommendations

2. Location: Entry Roads	Design Aims	Species recommendations	Layout / spacing recommendations	Comments on site
Narrakine Rd (Clayton Rd to Elliott St)	Structure	Occasional <i>Callistemon viminalis</i> See comments	W Side (powerlines) E Side	Some good plantings exist on the adjacent private land which could obviate the need for other planting. Careful selection needed to match in with existing plantings, needs more detailed assessment, very variable site, multiple crossovers.
Narrakine Rd (Elliott St to Fleay Rd)	Uniformity	No plantings required <i>Eucalyptus scoparia</i>	W Side (powerlines) E Side	There are many obstructions, soil type changes etc under the powerlines making establishing trees difficult. Some good plantings exist on the adjacent private land which could obviate the need for other planting. Need to remove underperforming mallee species. Large York gums on E side make successful planting very unlikely. Need to assess quality of landholder verge plantings.
3. Location: Minor Roads	Design Aims	Species recommendations	Layout / spacing recommendations	Comments on site
Gray St (Kipling St to Doney St)	Colour, shade	<i>Eucalyptus nicholli</i> <i>Callistemon viminalis</i>	W side E side (powerlines)	Many existing trees, occasional spaces
Gray St (Doney St to Hansard St)	Colour, continuity, diversity	<i>Brachychiton acerifolia</i> <i>Eucalyptus</i> spp e.g. <i>E. forrestiana</i> , <i>E. erythronema</i> , <i>E. olivacea</i>	W Side, 2 per road frontage E Side, 4 per road frontage	Difficult area, soil type limitations Spacing dependant on species
Gray St (Hansard St to High School)	Shade, colour, statement, screening	<i>Jacaranda mimosifolia</i> <i>Lophostemon confertus</i> <i>Eucalyptus sideroxylon</i>	W Side Centre	Some existing <i>Lophostemon</i> to be retained Bus stop area

Town of Narrogin - Street Tree Planning; Selections and Recommendations

3. Location: Minor Roads	Design Aims	Species recommendations	Layout / spacing recommendations	Comments on site
		(Red Ironbark) <i>Eucalyptus argyphæa</i> (Silver mallet)		Tub plantings on verge
		<i>Callistemon</i> sp.	E Side (powerline)	May need sturdy tree guards
Burns St (Kipling St to Doney St)	Colour, Uniformity	<i>Prunus nigra</i> <i>Fraxinus pennsylvanica</i> Urbanite <i>Jacaranda mimosifolia</i>	W Side 4 per house frontage E Side	Open area. Few interruptions Some sections have existing Jacarandas
Moore St (Kipling St to Doney St)	Colour, uniformity, shade	<i>Lophostemon confertus</i> <i>Fraxinus griffithii</i>	W Side E Side	Continuations of existing planting, some new planting
Homer St Havelock st to Gray St	Shade, uniformity	<i>Lophostemon confertus</i> <i>Callistemon viminalis</i> Mixed <i>Eucalyptus</i> spp	N Side (powerline) 3 per house frontage S Side 3/1	See comment in point 6 Infill of existing plantings Some planting possible outside school Very limited planting alongside District Education Office
Furnival St Federal St – Narrakine rd	Colour, form	<i>Callistemon viminalis</i> <i>Eucalyptus sideroxylon</i> / <i>nicholii</i>	N Side, 2 -3 per house frontage S Side, 1 per house frontage	Note: no planting alongside the Lewis St bush block. Match in with existing planting

Town of Narrogin - Street Tree Planning; Selections and Recommendations

4. Location: Main Parks	Design Aims	Species recommendations	Layout / spacing recommendations	Comments on site
Memorial Park	Ambience, restful, shade, historic / commemorative	E.g. <i>Cedrus libani</i> <i>Pinus halopensis</i> <i>Acacia</i> sp. <i>Rosemary officinalis</i> <i>Papaver rhoeas</i> (Flanders Poppies)	As appropriate	Choice of trees that have historical significance e.g. pine from lone pine hill, Acacia as Australia's floristic emblem. Site comprises three sections which for detailed plans are required – need to engage with the RSL. Screening structures for water tank required ala shadow figure from Gnarrogin Park bridge. Consider grant monies / artist in residence
Mackie Park	Functional	Limited scope for additional species. Roses in garden beds	Need to keep open spaces	Replanting of roses with same species Repairs needed to rotunda Artwork on walls facing park Possible relocation / removal of rotunda Use of sails or similar structure
Gnarrogin Park	Various	See original plan	As appropriate	Pruning and other mtc required, repairs to Newton House, some redesign of planting layouts possible
Lions Park	Ambience, restful, shade, family use	Multiples of existing species	As appropriate	Consider removal of selected <i>Eucalyptus cladocalyx</i>

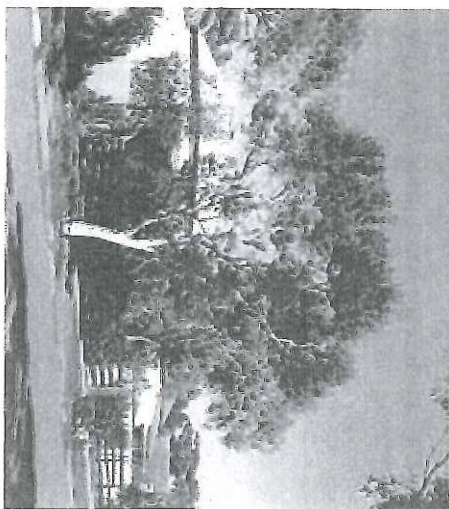
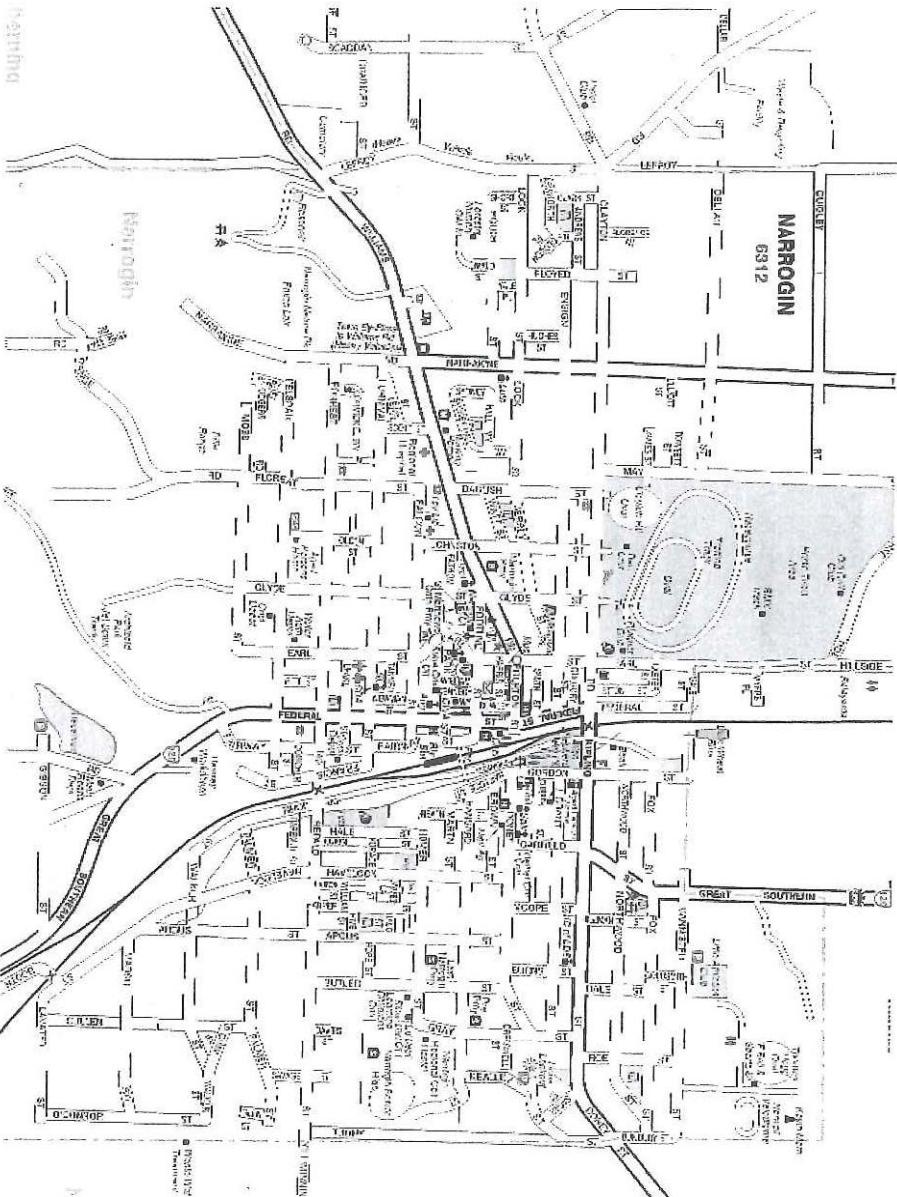
Town of Narrogin - Street Tree Planning; Selections and Recommendations

5. Location: Car Parks and Grounds	Design Aims	Species recommendations	Layout / spacing recommendations	Comments on site
Railway Carpark	Functional	<i>Eucalyptus maculata</i> Spotted gum	Two trees evenly spaced between street lights, with one only on the northern end of the row	Need species that will survive in bitumen, give tall shade and not interfere with street lighting
Council Carpark (Council Offices / Library)	Shade, function, colour	<i>Eucalyptus erythronema</i> , <i>E. eremophila</i> , <i>E. newbeyana</i>	Where appropriate in nibs	Existing trees and some surrounding trees to be removed e.g. <i>Pinus radiata</i> , <i>Eucalyptus cladocalyx</i>
Council Carpark (CWA)	Shade, uniformity	See original plan <i>Eucalyptus sieedmannii</i> , <i>E. newbeyana</i>	Approx 15 m spacing	Some existing trees to be removed e.g. <i>Brachyctition</i> sp. 2 <i>E. torquata</i> could be retained
Leisure Centre	Colour, visual impact, shade, form	<i>Zelkova serrata</i> (Green Vase)	4 trees, approx 10m spacing	Some existing trees need to be removed.
Museum / Old Courthouse and carpark	Shade, aesthetics	<i>Liquidambar styraciflua</i> <i>Prunus nigra</i> <i>Eucalyptus leucoxydon</i> subsp. <i>leucoxydon</i>	Spacing to match existing trees	Remove old <i>Melaleucas</i> (and fence) on E side of parking area. Expand garden beds, plant trees SE corner from building; need new pots, etc Needs detailed plan developed Consider redevelopment of south side carpark; e.g. development of island and angle parking layout.
Cemetery	Shade, function	Mixed white trunked Eucalypts, E.g. <i>E. camaldalensis</i> , <i>E. leucoxydon</i> , <i>E. scoparia</i>	On existing spacing	W side of road to be developed for parking

Town of Narrogin - Street Tree Planning; Selections and Recommendations

Recommend List of Suburban Streets with Historic planting. to be retained in spite of high maintenance..

6. Location	Species	Comment
Homer St (Havelock to Argus)	<i>Lophostemon confertus</i>	Maintain trees on both sides of the road in this section
Kipling St (near Hillman St)	<i>Plantanus acerifolius</i>	Trees on Nth side, under powerlines - could be retained in the short term, but with gradual removal



Eucalyptus erythronema Red flowered mallee [Image © John Colwill 2010]

4.3 Bin Surrounds

Attachments

Attachment 1- CBD Waste Audit results

Attachment 2- Bin location map

Attachment 3- Federal Street bin locations

Background

This item is re-presented from the Narrogin District Townscape Committee meeting held on 29 March 2018.

At the Narrogin District Townscape Committee meeting held on Thursday 29 March 2018, there was in attendance, two delegated Elected Members and two Deputy's; Cr Seale and Cr Fisher who were present as observers. Although ineligible to vote, Cr Seale moved Item 4.5 Bin Surrounds.

This vote was in breach of the *Local Government Act 5.11A*.

Therefore Item 4.5 Bin Surrounds is brought forward from the meeting 29 March 2018 and is re-presented to the Committee for endorsement.

Summary

At the meeting held on 14 December 2017, the Committee discussed the merits of installing 120ltr bins throughout the CBD instead of 240ltr bins with regards the volumes of waste collected in the existing 60ltr bins and noted that some bins fill up, some overflow and some collect very little waste.

The Committee supported a proposal by Townscape committee member Mr Crossley to undertake a waste audit to gain an insight into the volumes of waste being collected in each bin and to help determine the areas or streets where the most waste is collected.

Comment

On Wednesday 6 December 2017 a waste audit was carried out within the Narrogin CBD by Mr Crossley and an employee of the Shire's waste contractor.

The attached Bin Locations Map indicates the location of the existing 60ltr bins in the CBD area and the results of the waste audit. The waste audit results represent one day of collected waste.

The Shire's waste contractor has advised that the 60ltr bins located on Federal, Egerton and Earl Streets are emptied daily, and that the 240ltr bins located on Fortune Street are emptied three times per week and added that following the proposed replacement of 60ltr bins on Federal Street and the eastern end of Fortune Street with 240ltr bins, the bins will be emptied twice, possibly three times per week. The Shire's waste contractor has recommended the use of bin liner bags to reduce the occurrence of waste sticking in the bottom and odours.

Currently all the bins within the CBD are emptied manually. Following the installation of the remaining 240ltr bins, all 240ltr bins except those located on Fortune Street will be emptied mechanically.

OFFICERS' RECOMMENDATION

That the Committee:

1. Endorse the installation of fourteen x 240ltr bins and Walter Allure bin surrounds along Federal Street and the eastern end of Fortune at suitable spaced intervals to replace the existing 60ltr bins as pictured on the Bin Locations Map; and
2. Endorse the recommended locations for the installation of the remaining fourteen x 240ltr bins on Federal Street and the eastern end of Fortune Street based on the information provided in the CBD Federal Street Locations Map.

COMMITTEE RESOLUTION

Moved: Cr Bartron Seconded: Mr White

That the Committee endorse the proposal by the Executive Manager Development and Regulatory Services to;

1. Install eight x 240ltr bins and Walter Allure bin surrounds along Federal Street; install six Walter Allure bin surrounds on the existing 240ltr bins along Fortune Street; and install six 240ltr bins and Walter Allure bin surrounds on Egerton Street at suitable spaced intervals to replace the existing 60ltr bins as pictured on the Bin Locations Map.

CARRIED: 3/2

Opposed by Mr Crossley and Mr White

Results of bin audit with rubbish collector, Shane Paul on 6 December 2017.

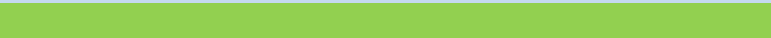





Collated by Ned Crossley

Bin number	location	Contents (% of 60l bin)	Contents (litres)	Comment	Would a 60l bin contain waste?	
1	Makit Hardware, Federal St	5	3	sometimes up to half full	y	
3	Duke of york, Egerton St	5	3	sometimes up to half full	y	
10	Opp Shell service station Earl St	5	3	typical	y	
11	Perth bound bus stop, Earl St	5	3	typical	y	
12	Albany bound bus stop, Earl st	5	3	typical	y	
16	All Day Café, Egerton St	5	3	typical	y	
22	Patch 'n Paint, Federal St	5	3	typical	y	
23	Railway Hall, Federal St	5	3	typical	y	
26	Peter Rundle MLC, Federal St	5	3	typical	y	
33	L&B Pizzerea, Federal St	5	3	typical	y	
34	Café 27, Federal St	5	3	used to be over half full when deli was open	y	
35	Old Computer shop, Federal St	5	3	typical	y	
15	Steele's, Egerton St	10	6	usually up to half full	y	
20	Town Hall, Federal St	10	6	usually over half full	y	
27	Greeny's takeaway, Fortune St	10	6	typical	y	
32	Hordern Hotel, Federal St	10	6	typical	y	
36	Railway walkway, by BP	10	6	usually a third full	y	
2	Duke of York, Federal St	13	8	sometimes up to half full	y	
13	Fortune Bread shop, Egerton St	15	9	usually up to half full	y	
18	Sun Sea Indian restaurant, Federal St	15	9	usually up to half full	y	
30	Mackie Park, top level, by stairs	15	9	usually more, rarely full	y	
25	Narrogin Furnishings, Federal St	20	12	typical	y	
37	Amcal Chemist, Fortune St	- 240l	25	15	typical	y
4	snack shack, Egerton St		25	15	sometimes up to half full	y
31	Mackie Park, by Hordern Hotel		25	15	typical	y
8	Indian Take away, Ensign st		33	20	usually over half full often full	n
42	Town Hall Piazza, Fortune St	- 240l	33	20	typical	y

Attachment 1

39	Westpac Bank, Fortune St	- 240l	50	30	typical	y
6	Cabanas, Egerton St		50	30	typical	y
19	Narrogin Newsagency, Federal St		50	30	typical	y
24	Chicken Treat, Federal St		50	30	typical, though can be full. Contained discarded Choc milk	n
29	Mackie Park, 2nd level, adj Fortune St		50	30	often overflowing	n
43	Coles Carpark opp Bintamilling Arc (Emptied by COLES)		50	30	sometimes overflowing, emptied by COLEs staff	n
40	Good Life, Fortune St	- 240l	58	35	usually twice as much, sometimes includes garden waste	n
41	Narrogin Fruit and Veg, Fortune St	- 240l	67	40	usually half full -120 l	n
5	Target, Egerton St		75	45	typical	y
7	Bintamilling Arcade		75	45	typical	y
14	Department of Justice, Egerton St		80	48	typical	y
17	All Day Café, Federal St		80	48	usually full	n
21	Narrogin Laundromat, Federal St		80	48	typical	y
9	Coles shelter, Ensign St		88	53	typical, often full	n
28	Makie Park closest to Financial Councillng Service		100	60	typical, contained toilet rolls and shredded office waste from NFCS(?)	n
38	Australia Post, Fortune St	- 240l	167	100	usually three quarters full, included office waste	n

Key to colours

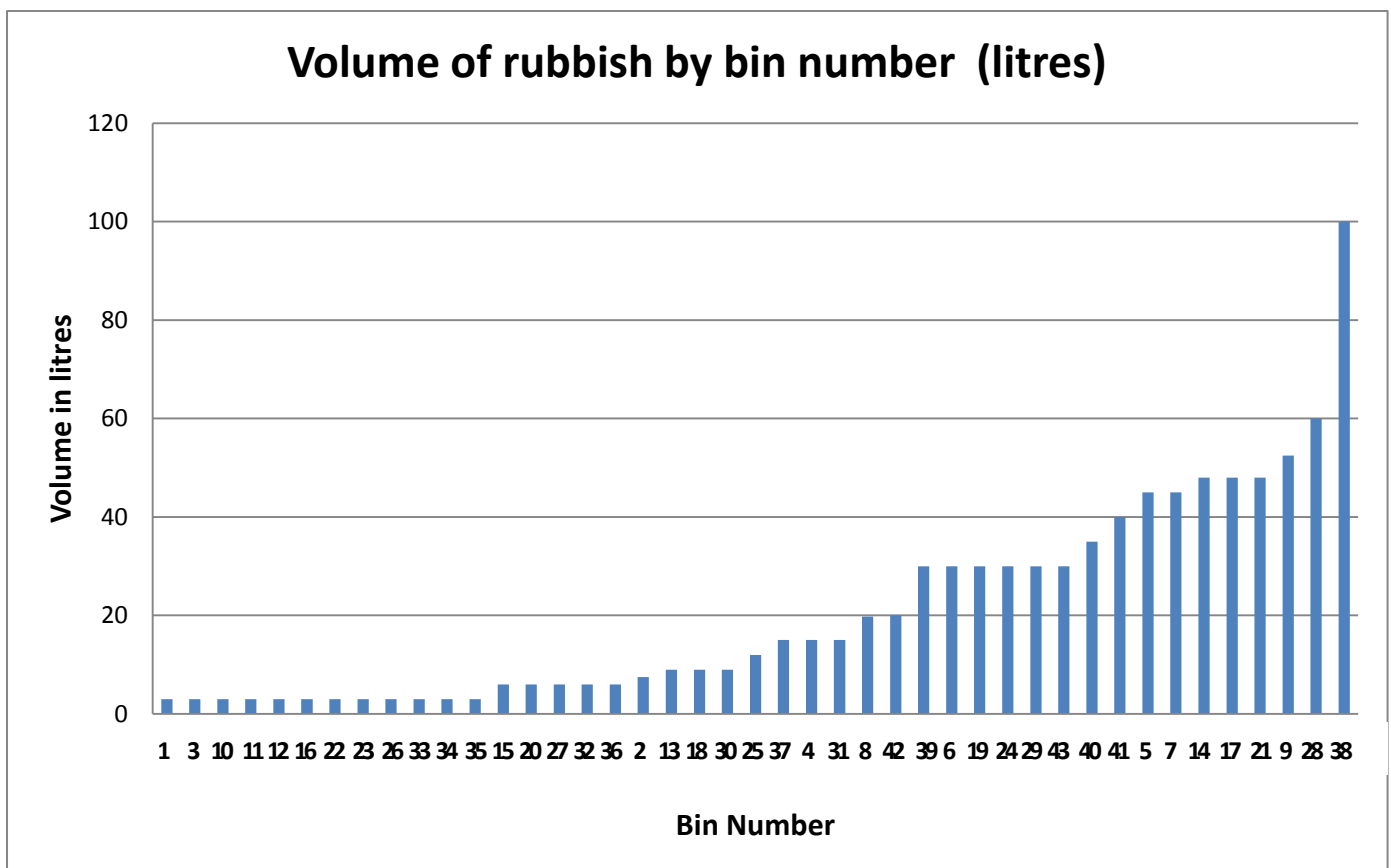
	less than 5 l waste	Less than 10% of a 60l bin
	5 -15 litres waste	10 - 20% of a 60 l bin
	15 - 30 l waste	20%-50% of a 60 l bin
	30 - 45 l waste	50% - 75% of a 60 l bin
	45 - 55l waste	&5%-100%of a 60l bin
	60 l or more waste	over full 60l bin

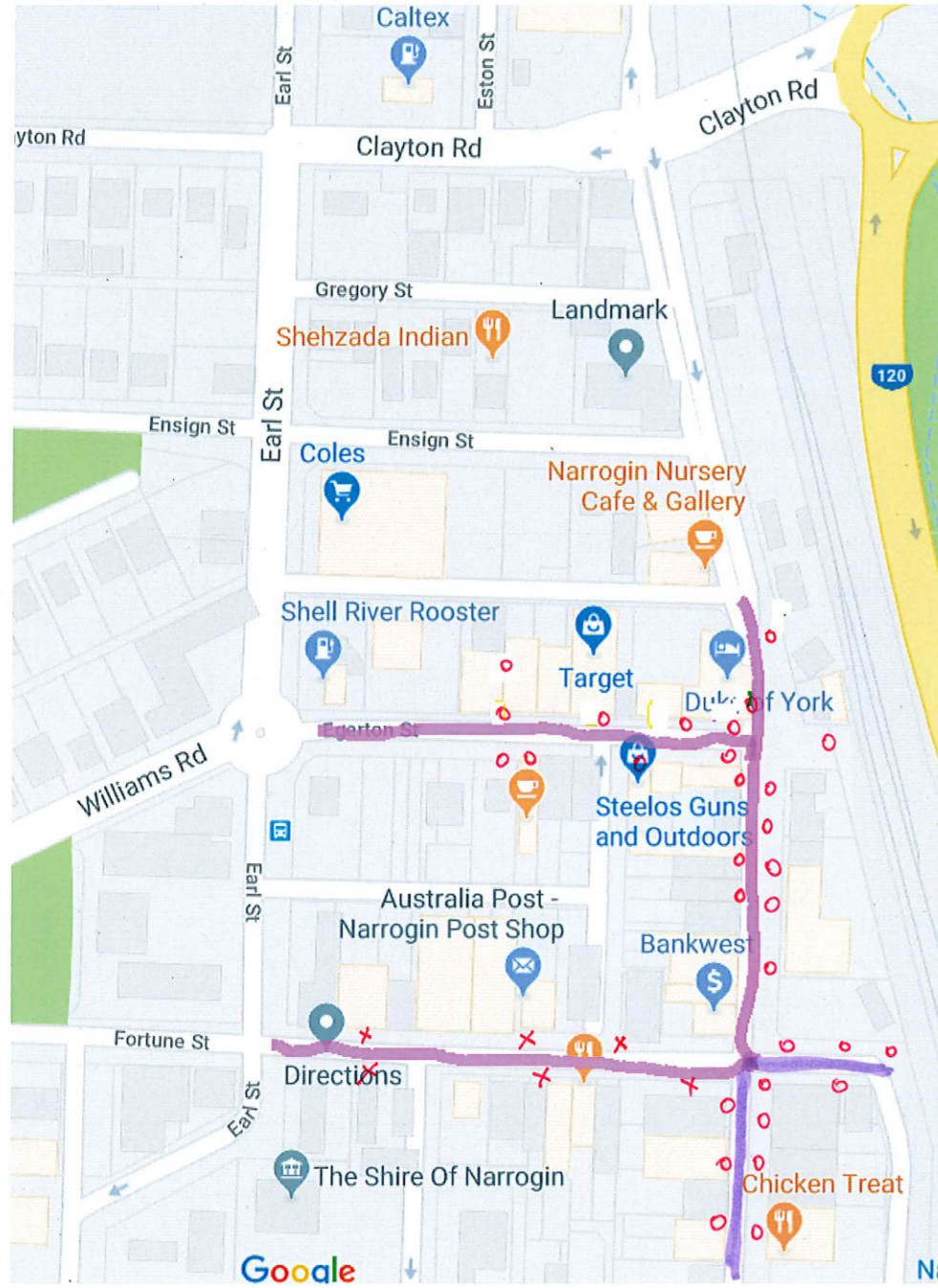
Discussion and Findings

Shane commented that on Wednesdays he collects more rubbish than other days. He also commented that the amount we collected on 6 December (~1.9 bins full) was about 3/4 of that collected on most Wednesdays (up to 2.5 bins full).

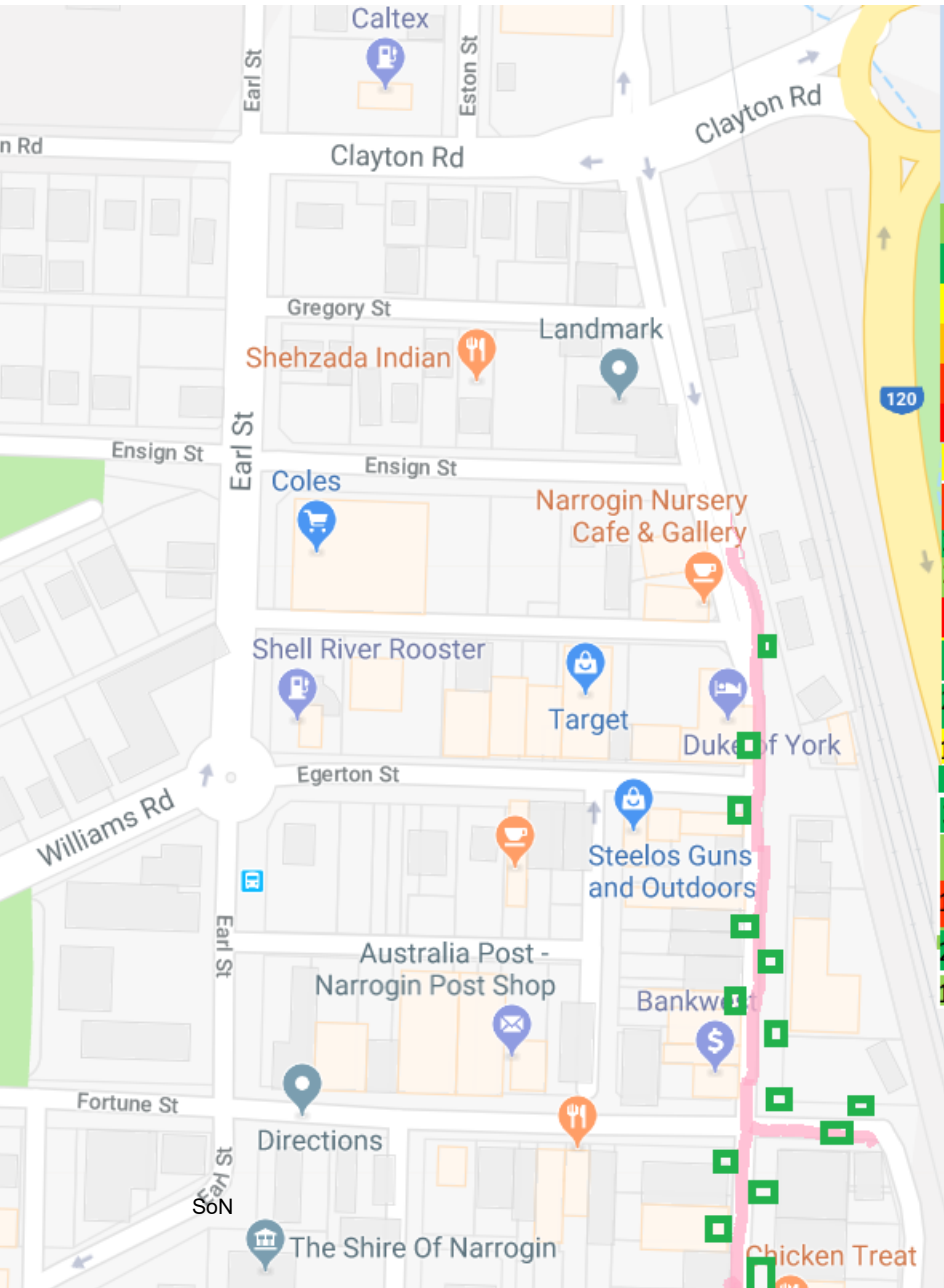
From the data collected;

- only two bins contained 60 l of refuse or more (Bin 28 at Mackie Park and Bin 38 at Australia Post both of which contained about 15l & 25l office waste in garbage bags, respectively)
- 33 of the 43 bins in the survey contained - and generally contain (according to Shane Paul) less than 60 l of refuse. In other words, at most ten of the 43 bins in the survey need to be larger than 60 litres
- no bin contained more than 100l of waste
- liquid waste (eg unempty drink containers) was an issue in some bins (near chicken treat and 240 l bins) causing waste to stick to bottom
- all 240l bins had odorous, putrid waste stuck in the bottom, which due to their depth could not be removed by hand
- some 60l bins also had waste sticking to the bottom but this was easily removed
- it normally takes 1 man about 1 hour to complete the bin round and is undertaken 3 -4 times per week
- Bin 38 at Australia Post contained significant amounts of recyclable waste suggesting that this could be a useful site for a recycle bin.





Bin number	location	Contents (% of 60l bin)	Contents (litres)	Comment	
Key to colours less than 5 l waste Less than 10% of a 60 l bin 5 -15 litres waste 10 - 20% of a 60 l bin 15 - 30 l waste 20%-50% of a 60 l bin 30 - 45 l waste 50% - 75% of a 60 l bin 45 - 55l waste &5%-100%of a 60l bin 60 l or more waste over full 60l bin					
1	Makit Hardware, Federal St	5	3	sometimes up to half full	
2	Duke of York, Federal St	13	8	sometimes up to half full	
3	Duke of York, Egerton St	5	3	sometimes up to half full	
4	snack shack, Egerton St	25	15	sometimes up to half full	
5	Target, Egerton St	75	45	typical	
6	Cabanas, Egerton St	50	30	typical	
7	Bintamilling Arcade	75	45	typical	
13	Fortune Bread shop, Egerton St	15	9	usually up to half full	
14	Department of Justice, Egerton St	80	48	typical	
15	Steelo's, Egerton St	10	6	usually up to half full	
16	All Day Café, Egerton St	5	3	typical	
17	All Day Café, Federal St	80	48	usually full	
18	Sun Sea Indian restaurant, Federal St	15	9	usually up to half full	
19	Narrogin Newsagency, Federal St	50	30	typical	
20	Town Hall, Federal St	10	6	usually over half full	
21	Narrogin Laundromat, Federal St	80	48	typical	
22	Patch 'n Paint, Federal St	5	3	typical	
23	Railway Hall, Federal St	5	3	typical	
24	Chicken Treat, Federal St	50	30	typical, though can be full. Contained discarded Choc milk	
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26	Peter Rundle MLC, Federal St	5	3	typical	
27	Greeny's takeaway, Fortune St	10	6	typical	
28	Makie Park closest to Financial Councelling Service	100	60	NFCS(?)	
29	Mackie Park, 2nd level, adj Fortune St	50	30	often overflowing	
30	Mackie Park, top level, by stairs	15	9	usually more, rarely full	
31	Mackie Park, by Hordern Hotel	25	15	typical	
32	Hordern Hotel, Federal St	10	6	typical	
33	L&B Pizzerea, Federal St	5	3	typical	
34	Café 27, Federal St	5	3	used to be over half full when deli was open	
35	Old Computer shop, Federal St	5	3	typical	
36	Railway walkway, by BP	10	6	usually a third full	
37	Amcal Chemist, Fortune St	- 240l	25	15	typical
38	Australia Post, Fortune St	- 240l	167	100	usually three quarters full, included office waste
39	Westpac Bank, Fortune St	- 240l	50	30	typical
40	Good Life, Fortune St	- 240l	58	35	usually twice as much, sometimes includes garden waste
41	Narrogin Fruit and Veg, Fortune St	- 240l	67	40	usually half full -120 l
42	Town Hall Piazza, Fortune St	- 240l	33	20	typical



Bin number	location	Contents (% of 60l bin)	Contents (litres)
Key to colours			
		less than 5 l waste	Less than 10% of a 60l bin
		5 - 15 litres waste	10 - 20% of a 60 l bin
		15 - 30 l waste	20%-50% of a 60 l bin
		30 - 45 l waste	50% - 75% of a 60 l bin
		45 - 55l waste	&5%-100%of a 60l bin
		60 l or more waste	over full 60l bin
24	Chicken Treat, Federal St		
21	Narrogin Laundromat, Federal St		
20	Town Hall, Federal St		
26	Peter Rundle MLC, Federal St		
28	Makie Park closest to Financial Councillng Service		
30	Mackie Park, top level, by stairs		
27	Greeny's takeaway, Fortune St		
19	Narrogin Newsagency, Federal St		
18	Sun Sea Indian restaurant, Federal St		
32	Hordern Hotel, Federal St		
33	L&B Pizzerea, Federal St		
17	All Day Café, Federal St		
2	Duke of York, Federal St		
1	Makit Hardware, Federal St		

5. NEW BUSINESS OF AN URGENT NATURE APPROVED BY THE PERSON PRESIDING OR BY DECISION OF THE MEETING

5.1 Townscape Study Review

There was a general discussion about the 2016 Narrogin Townscape Study Review in relation to the core values, actions and recommendations. This report will be updated with past, present and future projects.

5.2 Project updates

Updates for the projects; Urban Art Skatepark project, Public Art Policy, Gnarojin Park Masterplan and the Heritage Trail were provided verbally at the Meeting.

5.3 Proposed Library landscaping design

The Committee discussed the Proposed Library Landscaping design and noted that it was recorded within the Status Report that the Manager of Library Services had resigned from the project. This is inaccurate and the Status Report will be amended.

5.3 Carpark upgrades

The Committee discussed the recent upgrades to the carparks on Ensign Street and Park Street with regards to tree planting and water catchment. It was noted that the 2016 Townscape Study Review was endorsed by Council and the recommendations contained within that report should be applied to landscaping projects.

5.4 Status Report Updates

The Project Status Report comprising all the major projects is currently being developed.

6. NEXT MEETING / CLOSE OF MEETING

The Chair declared the Meeting closed at 7:21 pm.

The next meeting is scheduled for 5:30 pm, Thursday 9 August 2018.