



Shire of Narrogin Street Tree Planning: Selections and Recommendations Guide 2018

This guide contains information researched and documented in the 2010 report by the then Town of Narrogin Townscape Committee comprising Peter White, Lee Thomson, Mike Brown and Mary Silverman.

The 2010 report was the subject of a review by H+H Architects as part of the 2016 Narrogin Townscape Review which was adopted by Council on 22 February 2017 and contains the recommendations for the Narrogin CBD and Highbury townsite.

1. The underlying themes in all areas is that of suitability to site, which includes soils, moisture quality 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

1. Location: CBD	Design Aims ¹²³	Species recommendations	Layout /spacing recommendations	Comments on site
Fortune St. (Federal St to Earl St)	Shelter, form, manageability, uniformity	<i>Ulmus parviflora</i> -Todd or Green English <i>Syzygium</i> Blaze or Aliens magic) / <i>Westringia</i> <i>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 to 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 to 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 Planting mainly to the west of the shops -avoid problems with verandahs. 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 to Kennedy St) (Kennedy St to Earl St)	Colour, consistency Shelter, colour, screening	<i>Jacaranda mimosifolia</i> <i>Eucalyptus. newbeyi</i> <i>Eucalyptus tenera</i>	Maintain existing spacing, some additional plants in Govt Offices Nth Side Sth Side	This species suited only to lower slope (note: pruning schedule necessary for best visual results) Shallow soils require change of species 8 - 10m depending on space

1. Location: CBD	Design Aims ¹²³	Species recommendations	Layout /spacing recommendations	Comments on site
Park St (Federal St to 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 RI. 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) (Fortune St to Egerton St) (Egerton St to Smith St) (Smith St to Ensign St) (Ensign St. to Clayton Rd)	Form, uniformity, colour	<i>Prunus nigra</i> <i>Pyrus calleryana:</i> Bursnozam "Burgundy Show"	W Side E Side	Discuss landscaping options with Police Dept and Masonic Lodge to link in with streetscape work Remove existing trees from alongside Coles Remove and replace existing trees up to council office Library Lawn — reduce lawn size, some paving and seating
Earl St (Clayton Rd to Exeter St)	Form, colour	<i>Melaleuca lineariifolia</i> (Snow in summer), <i>Allocasuarina torulosa</i> (Rose sheoak)	Opposite Bowling Club only	Increase size of verge, create angle parking

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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 sp.</i>
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

1. Location: CBD	Design Aims ¹²³	Species recommendations	Layout /spacing recommendations	Comments on site
Federal St. (Butter Factory to town outskirts)	Neatness	Maintain existing species	Various	Remove fence from planted area near MRWA, removed dead trees / slash both sides of road
2. Location: Entry Roads	Design Aims ¹²³	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 Daglish St)	Form, visual impact	<i>Callistemon viminalis</i> <i>Eucalyptus tenera</i> , <i>E.</i> <i>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

2. Location: Entry Roads	Design Aims ¹²³	Species recommendations	Layout /spacing recommendations	Comments on site
Williams Road (Daglish St to Narrakine Rd)	Form, visual impact	<i>Prunus nigra</i> <i>Jacaranda mimosifolia</i> <i>Melaleuca lineariifolia</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 Jacaranda / Melaleuca
Williams Road (Narrakine Rd to Cemetery)	Neatness	Maintain existing species	Maintenance 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

2. Location: Entry Roads	Design Aims ¹²³	Species recommendations	Layout /spacing recommendations	Comments on site
Clayton Rd (Federal St to May St)	Colour, order, form	<i>Eucalyptus leucoxylon</i> <i>subsp. leucoxylon</i> <i>Callistemon viminalis</i> <i>Melia azedarach</i> (Caroline) <i>Eucalyptus maculata</i>	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 road verge for John Higgins, Rec Centre and Watercourse Café 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 leucoxylon</i> <i>subsp. leucoxylon</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

2. Location: Entry Roads	Design Aims ¹²³	Species recommendations	Layout /spacing recommendations	Comments on site
Roundabout Link Road, Clayton Road, Kipling St	Colour, form	Mixed species	Dependent on species	Difficult site See MRWA re species choice
Kipling St Roundabout to Wickepin Rd	Form, impact, feature	<i>Callistemon viminalis</i> <i>Eucalyptus leucoxylon</i> subsp. <i>leucoxylon</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>Brachychitons</i>) Clean up and slash road verge to 90 km sign Very irregular spacings with some good trees, may need to phase changes in gradually.
Gt. Sthn H'way (Nth)	Form, impact	<i>Melaleuca leucodendron</i> or <i>M lanceolate</i> Increase number in park	W Side. Up to 3 per house frontage E Side. Planting in Park, not road verge	Hard site, needs good preparation. No room for plants between Northwood and Kipling St Clean up and slash road verge to 80 km sign Check out species in park and match to these
Gt. Sthn H'way (Sth) — 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

2. Location: Entry Roads	Design Aims ¹²³	Species recommendations	Layout /spacing recommendations	Comments on site
Herald St (Federal St to Havelock St)	Colour, form	<i>Callistemon viminalis</i> (red flowers) <i>Melaleuca lineariifolia</i> / <i>M</i> <i>quinqinervia</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, from, 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
2. Location: Entry Roads	Design Aims 123	Species recommendations	Layout /spacing recommendations	Comments on site
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
Forrest St (Federal St to Glyde St)	Colour, uniformity	<i>Prunus nigra</i> <i>Callistemon viminalis</i> , <i>Callistemon salignus</i> and <i>Melaleuca lineariifolia</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>leucoxyton</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

2. Location: Entry Roads	Design Aims ¹²³	Species recommendations	Layout /spacing recommendations	Comments on site
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 turolosa</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
Narrakine Rd (Clayton Rd to Elliott St)	Structure	Occasional <i>Callistemon</i> <i>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

2. Location: Entry Roads	Design Aims ¹²³	Species recommendations	Layout /spacing recommendations	Comments on site
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 ¹²³	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 dependent 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 Lophostemon to be retained Bus stop area

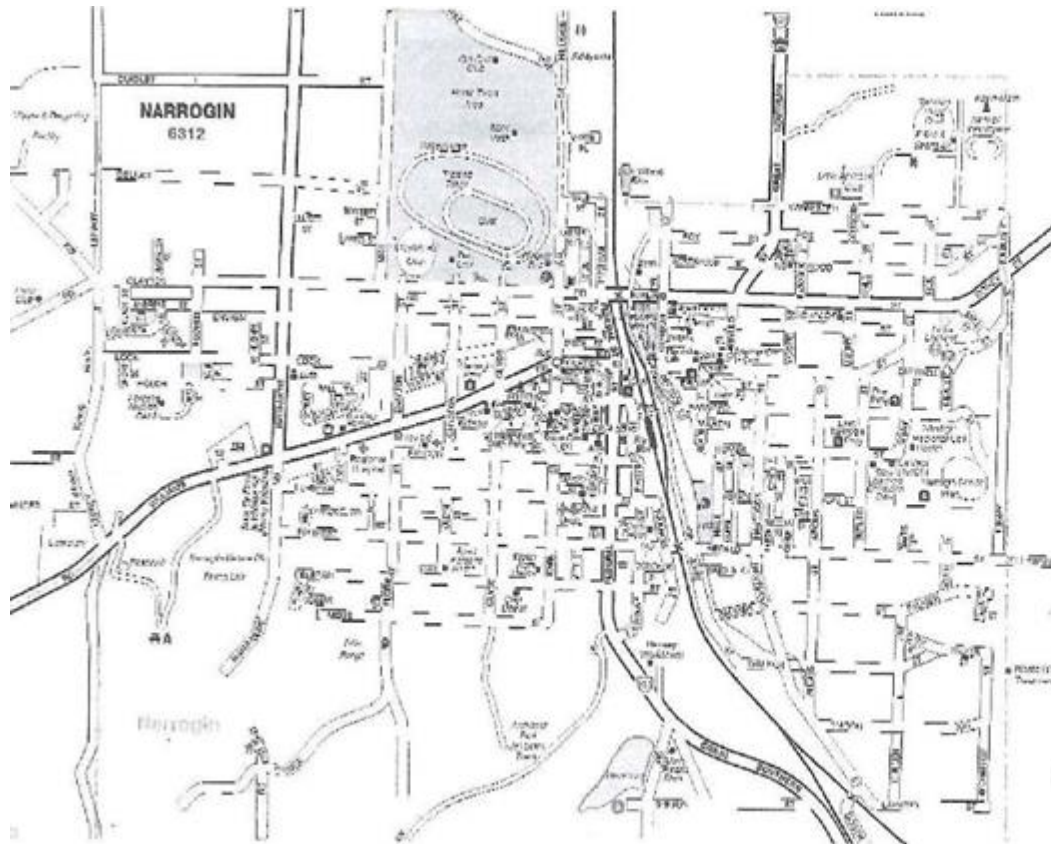
3. Location: Minor Roads	Design Aims ¹²³	Species recommendations	Layout /spacing recommendations	Comments on site
		(Red Ironbark) <i>Eucalyptus argyphaea</i> (Silver mallet) <i>Callistemon</i> sp.	E Side (powerline)	Tub plantings on verge May need sturdy tree guards
Burns St (Kipling St to Doney St)	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 / nicholli</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

4. Location: Main Parks	Design Aims ¹²³	Species recommendations	Layout /spacing recommendations	Comments on site
Memorial Park	Ambience, restful, shade, historic / commemorative	E.g. <i>Cedrus lebanii</i> <i>Pinus halopensis</i> <i>Acacia</i> sp. <i>Rosemary officialis</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 also shadow figure from Gnarojin 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.
Gnarojin 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>

5. Location: Car Parks and Grounds	Design Aims ¹²³	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 steedmanii</i> , <i>E. newbeyana</i>	Approx 15 m spacing	Some existing trees to be removed e.g. <i>Brachychiton</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 Melaleucas (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. camaldulensis</i> , <i>E. leucoxydon</i> , <i>E. scoparia</i>	On existing spacing	W side of road to be developed for parking

Recommended list of suburban streets with historic planting to be maintained in spite of high maintenance

6. Location	Species	Comments
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]

The following guide contains the recommendations by H+H Architects for the Narrogin CBD and forms part of the 2016 Townscape Study Review.

1. Location: CBD	Design Aims ¹²³	Species recommendations	Layout / spacing recommendations	Comments on site
East West Streets				
Park St (Earl St – Willaim Kennedy St)	Shelter, colour, screening	<i>Eucalyptus newbeyi</i> <i>Eucalyptus tenera</i> <i>Eucalyptus torquata</i>	Nth Side Sth Side (Power Lines)	Shallow soils require change of species. 8 – 10m depending on space
Park St (Kennedy St - Federal St)	Colour, consist	<i>Jacaranda mimosifolia</i>	Maintain existing spacing, some additional plants in Govt Office	This species suited only to lower slope and will need irrigation in summer (note: pruning schedule necessary for best visual results.)
Park St (Federal St – Fairway St)	Planned, structured, historic link	<i>Jacaranda mimosifolia</i> <i>Eucalyptus torquata</i>	Nth Side may require planting in the roadway Sth Side (Power Lines)	Links to railway goods shed and RI. Both sides of street (may be limited near Chicken Treat) Small picnic site near Chicken Treat to be developed at same time
Fortune St (Williams Rd to Earl St)	Shelter, screening, colour	<i>Ulmus parviflora – Todd or Green English</i> <i>Prunus cerasifera nigra</i>	Nth Side Sth Side (Power lines)	Continue planting up to Park (see suggestions for Memorial Park) Some older trees under powerlines may need to be replaced with Prunus

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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

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Fortune St. (Earl St.to Federal St)	Shelter, form, manageability, uniformity	<i>Ulmus parviflora</i> – Todd or Green English <i>Pyrus</i> sp. for locations with less space	<i>Ulmus</i> currently planted in median ‘containers’.	<i>Lephostemon</i> trees in footpath could be removed incrementally if necessary, and replaced with <i>Pyrus</i> or <i>Ulmus</i> sp.. <i>Tipuana Tipu</i> at Fortune/Earl and Fortune/Federal intersections to remain
Fortune St (Federal to Fairway)	Shelter, form, manageability, uniformity	Continue above planting style. Retain <i>Tipuana Tipu</i>		Easternmost <i>Lephostemon</i> showing branch die back Review and remove and replace with new tree species if failing
Mackie Park	Civic space, frame views to Town Hall, summer shade and winter sun	See Federal and Fortune, and Mackie Park Enhancement concept		Existing trees in the park include 2 x <i>Platanus</i> (Plane trees) 1 x <i>Liquidambar</i> <i>styraciflua</i> (Liquidamber) and 1 x <i>Fraxinus</i> likely to be ‘Raywood’ (Ash). Verge trees adjacent to the park include <i>Lephostemon</i> and <i>Tipuana tipu</i>

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Harris St	Pedestrian shade, screening, colour	Match existing species where these are thriving	Plant to maintain rear loading / crossover access	
Williams Road (Glyde St to Earl St)	Form, visual impact	<i>Jacaranda mimosifolia</i> <i>Prunus nigra</i>	Closer spacings to compensate for crossovers etc. Northern side, powerlines	Jacaranda will require supplementary watering, better achieved adjacent to the park. Some existing trees to be removed Prunus for under power lines
Egerton St (Earl St – Federal St)	Form, view (tallertrees to match building height) Gateway planting contrast	<i>Pyrus calleryana</i> /Bradford. – spreading Crown <i>Callistemon viminalis</i> to entry nibs adjacent to Earl and Federal Sts.	- alongside existing Shops – shops to roundabout Variable spacing according to available sites	See Townscape Review detail drawing Remove palms from near Bintamilling Arcade
Smith St	Pedestrian comfort and screen rear yards	<i>Prunus cerasifera nigra</i>	Aim for dense shade to link pedestrian access from carpark to arcades	New kerbed garden beds to provide better growing conditions – ensure road base is removed

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Ensign St	Shelter, screening, colour	<i>Calistemon viminalis</i> south side <i>Eucalyptus nicholii</i> Or <i>Agonis flexuosa</i> north side	Power Lines to south side. Plant 5m centres to offset gaps for crossovers	Aim to screen blank wall, unless a significant mural project is funded Assess soil type and condition for suitability of <i>A. flexuosa</i> – <i>E. nicholii</i> may be the better option
Gregory St	Shelter, greening, colour	<i>Eucalyptus sideroxylon</i> <i>rosea</i> or <i>E. tricarpa</i>	Plant down one kerbline, ideally the northern edge. Plant 8m centres to offset gaps for crossovers	Trees will need to be planted in the roadway. Allow for protective bollards / wheel stops and to remove all road base for the tree pit
Clayton Rd (Earl to Federal Sts)	Shade, 'gateway' planting, colour	<i>Eucalyptus leucoxylon</i> <i>subsp. leucoxylon</i> <i>Eucky Dwarf (cultivar</i> <i>of</i> <i>leucoxylon)</i> under power lines <i>Eucalyptus torquata</i> at nib adjacent to Bargain Barn and paired at car yard	Nth Side of road (power lines west of Eston St) Sth Side of road, trees at closer spacings Construct generous tree pits / nibs for <i>E.</i> <i>torquata</i>	Broken landscape, powerlines Need to link planting to Earl St Few good trees remaining
Clayton Rd (Federal to Railway crossing)	Shade, 'gateway' planting, colour, screening	<i>Eucalyptus torquata</i> in verge	Planted as two "groves" for maximum impact	Signage review in future may recommend a Town Centre direction sign - allow viewlines to sign in tree set out

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North South Streets				
Earl St (Council Offices to Fortune St)	Form, uniformity, colour	<i>Prunus nigra</i> and <i>Liquidambar</i>	W Side	Liquidambar is only for the lawn area adjacent to the Freemason's Lodge. Negotiate with landowner to allow a stately shade tree to be planted in this location
(Fortune St to Egerton St)	Form, uniformity, colour		In nibs. Most line up, some offset, but still in straight lines	Discuss landscaping options with Narrogin Police on their grass verge to link in with streetscape work
(Egerton St to Smith St)	Form, uniformity, colour	<i>Pyrus calleryana</i> : Bursnozam "Burgundy Snow" or <i>Betulaeufolia</i>	Power lines Egerton to Clayton West side	Retain existing trees alongside Coles' wall

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(Smith St to Ensign St)	Form, uniformity, colour	<i>Pyrus calleryana</i> : Bursnozam “Burgundy Snow” or <i>Betulaeufio</i>		
(Ensign St. to Clayton Rd)	Form, uniformity, colour			Replant fall ailed / vandalised trees Clayton Rd to Shire office. Retain <i>Tipuana Tipu</i> at Fortune St entry)
Rowley St	Pedestrian shade	<i>Pyrus calleryana</i> Bursnozam “Burgundy Snow”	Aim to provide a shaded pedestrian link between Egerton and Fortune Sts	Some negotiation will be needed with land owners Trees may need to be planted in the roadway Allow for protective bollards / wheel stops and to remove all road base for the tree pit
Federal St. (Clayton Rd to Smith St)	Uniformity, colour, form	<i>Callistemon viminalis</i>	New planting in nibs	Retain healthy <i>Ulmus glabra</i> (Golden Elm) Remove <i>Hymenosporum</i> . Retain <i>Ficus sp.</i>
Federal St. (Smith St. to Fortune St)	Colour, shelter at nibs	<i>Calistemon viminalis</i>	In nibs and proposed islands	Retain <i>Tipuana Tipu</i> south east corner Federal and Egerton Sts


1. Location: CBD	Design Aims ¹²³	Species recommendation	Layout / spacing recommendations	Comments on site
Federal St (Fortune St to Park St.)	Form, stature (see also Fortune St notes)	Maintain existing species	Maintain existing species and spacing	Develop a more sympathetic pruning regime for <i>Lophostemons</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> .
Fairway Street (Fortune to Park Sts.)	Shelter, uniformity	Maintain existing trees. Where new planting is possible use; <i>Eucalyptus scoparia</i>	Various to accommodate cross overs, power lines and walkway	Existing trees on this street are <i>Lephostemon</i> .
Railway Carpark (EgertonSt - Park St)	Shade, structure, frame town edge	<i>Continue existing species: Eucalyptus maculata</i> Spotted gum	Two trees evenly spaced between street lights, with one only on the northern end of the row Look at opportunities to plant a matching avenue on the west side of the road	Need species that will survive in bitumen, give tall shade and not interfere with street lighting

The following tree species recommendations for the Highbury townsite are taken from the 2017 Highbury Townscape Plan which was prepared by H+H Architects and adopted by Council on 28 March 2018 and are considered suitable for local conditions and in keeping with the 2016 Narrogin Townscape Study Review streetscape recommendations.


1. Location:	Species recommendation	Comments on site
Burley St	<i>Eucalyptus newbeyi</i> <i>Eucalyptus tenera</i> <i>Eucalyptus torquata</i> <i>Callistemon viminalis</i> Eucky Dwarf (cultivar of <i>leucoxylon</i>)	South Verge (under power lines)
North Verge (adjacent to footpath)	<i>Eucalyptus leucoxylon</i> subsp. <i>Leucoxylon</i> <i>Eucalyptus nicholii</i> <i>Eucalyptus sideroxylon rosea</i> or <i>E. tricarpa</i> <i>Eucalyptus scoparia</i>	

The recommendations below were documented on 31 July 2018 by Mr P White and Cr Clive Bartron of the Narrogin District Townscape Committee.

Site	Discussion points	Suggestions
West side of Clayton rd. oval, May St entrance	Over the years, many trees have been lost from around the oval, but there is an opportunity to plant some either side of the May St. gates	Species such as <i>Eucalyptus tricarpa</i> or <i>Corymbia maculata</i>
Clayton Rd from Narrakine to Federal St	Over the years, there have been many trees removed from this street and it looks forlorn for a major thoroughfare.	Revisit the 2010 plan which had suggestions for tree planting
Recreation Centre parking area	This is a major expanse of concrete and bitumen, roastingly hot in summer and bleak in winter.	Consider planting deciduous tree, in conjunction with porous pavement, every third or fourth parking bay
Narrogin Library	Whilst it would be good to keep some of the existing trees, there are a number of factors weighing against them e.g., the species are renowned for their stature, there is likely to be considerable leaf / fruit drop, all three trees show signs of previous pruning damage / stem rot or mechanical weakness, their proximity to buildings or other infrastructure.	Remove the three trees and replace with the correct species in the proper location Do not damage the <i>Arbutus unedo</i>

Site	Discussion points	Suggestions
Council Office parking area – east side of buildings	This was a missed opportunity to demonstrate good streetscape practise. It should still be possible to retro fit the area with trees and porous concrete.	<p>An example from UWA that should be implemented</p> 
Chicken Treat grounds	There is a small patch of ground to the east of the Chicken Treat parking area and Fairway St. (opposite the visitors centre). Whilst it is not council land, previously there have been discussions about some joint development of the site that would be of benefit visitors as well as patrons.	Explore the notion of a memorandum of understanding with Chicken Treat and install shade and picnic tables
Fairway St. Pines	The once proud line of <i>Pinus radiata</i> var. <i>binata</i> has been reduced to one heritage listed tree – which is in poor condition. The trees were an important part of the landscape and early history and are likely to be lost completely. However it is possible to collect and propagate seed from the remaining tree and the original row replanted. The wood from the remaining tree could be salvaged and turned into furniture for public venues, thus perpetuating the history and memory of the plantings.	Collect seed and commence propagation work

Site	Discussion points	Suggestions
Federal St	There are a number of sites along Federal Street between Egerton and Clayton Rd. where additional trees could be planted.	Suggest continuing the <i>Ulmus glabra</i> which can be seen outside the Duke bottleshop
Federal St	The section of Federal St between Fortune and Egerton Streets was briefly discussed for tree planting options. However even if nibs were developed alongside the footpath, the presence of shop verandahs would preclude successful tree establishment	The vista could be improved by painting the verandah / awning front and sides
Railway parking area	This was an example of a successful planting with a species that is the correct stature for the landscape position, planted at the correct distance apart	
Southern roundabout	Seedlings now planted and site mulched	Follow on from this matter as an exercise in planning for good plant establishment, plan the event well in advance, order the plants in plenty of time for the nursery to source the correct size root stock, plant at the optimal time of the year
Northern roundabout	The question was raised if the site was suitable for trees to be planted in the centre of the roundabout. There would be few issues such as line of sight to deal with, but the potential salinity / winter waterlogging of the site would need to be investigated.	Discuss planting conditions and options with the MRWA. <i>Casuarina obesa</i> , <i>Melaleuca strobophylla</i> and <i>M. halmaturorum</i> may be suitable options
Old nursery site	Since the old nursery has been removed, it has left a large expanse of nothingness at one of the main entrances to town. It is uncertain who owns the property or what the intention is for its development. However it is at the entrance to town and represents an opportunity to enhance the look of this part of town. It could be a site for tree planting or public art (or both)	Investigate site ownership and possibilities for site development

Site	Discussion points	Suggestions
Town entrance / artwork panels, Makit Hardware	The Makit Hardware fence dominates the streetscape at that end of town and makes for an unattractive entrance to the town. Understandably the proprietors may not want art work painted onto their fence. However artwork could be applied to large panels that could be attached to the wall and removed when necessary without damage to the wall or cost to the proprietors	Discuss options with Makit Hardware, table as agenda item for Narrogin District Townscape Committee, discuss as part of a Public Art strategy
Kipling street	There are many gaps in the plantings from the outskirts of town to the roundabout	Revisit 2010 suggestions, carry out inventory of surviving trees and devise replacement plan for one or both sides of the road
Coles carparks x 2	As with the Council carpark, both of these sites lack adequate shade and attempts should be made to increase vegetative cover in the parking area rather than just around the edge	 <p>Trial a planting based on this City of Fremantle example</p>