

English Street

Precinct Structure Plan

Showing changes made between the commencement of exhibition for C183 and 14 September 2015

Deleted: April 2015

1.0 INTRODUCTION

The English Street Precinct Structure Plan (the PSP) has been prepared by the Metropolitan Planning Authority (MPA) with the assistance of the City of Whittlesea, Government agencies, service authorities and major stakeholders.

The PSP is a long-term plan for urban development. It describes how the land is expected to be developed, and how and where services are planned to support development.

The PSP is a set of decisions about how the land is to be developed. The PSP:

- Sets out plans to guide the delivery of quality urban environments in accordance with the Victorian Government guidelines.
- Enables the transition of non-urban land to urban land.
- Sets the vision for how the land should be developed and the outcomes to be achieved.
- Outlines the projects required to ensure that future residents, visitors and workers within the area can be provided with timely access to services and transport necessary to support a quality and affordable lifestyle, with access to local jobs.
- Sets out objectives, requirements and guidelines for land use, development and subdivision.
- Provides Government agencies, the Council, developers, investors and local communities with certainty about future development.
- Addresses the requirements of the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act 1999) through Federal approval of the *Biodiversity Conservation Strategy and Sub Regional Species Strategies for Melbourne's Growth Areas* (September 2013).

The PSP is informed by:

- The *State Planning Policy Framework* set out in the *Whittlesea Planning Scheme*;
- The *Growth Corridor Plans: Managing Melbourne's Growth* (Growth Areas Authority, June 2012);
- The *Local Planning Policy Framework* of the *Whittlesea Planning Scheme*;
- The *Biodiversity Conservation Strategy and Sub Regional Species Strategies for Melbourne's Growth Areas* (Department of Environment and Primary Industries, June 2013)*;
- The *Precinct Structure Planning Guidelines*.

The following planning documents have been developed in parallel with the PSP to inform and direct the future planning and development of the Precinct:

- The *English Street Development Contributions Plan* (DCP) requires development proponents to make a contribution toward infrastructure required to support the development of the Precinct.
- The *Craigieburn North Employment Area Precinct Structure Plan* and *Craigieburn North Employment Area Development Contributions Plan*.
- The *Craigieburn North Employment Area and English Street Background Report* (Background Report).

1.1 How to read this document

This PSP guides land use and development where a planning permit is required under the Urban Growth Zone (Clause 37.07 of the Whittlesea Planning Scheme), or any other provision of the planning scheme that references this structure plan.

A planning application and a planning permit must implement the outcomes of the PSP. The outcomes are expressed as the VISION AND OBJECTIVES.

Each element of the PSP contains requirements and guidelines as relevant.

REQUIREMENTS must be adhered to in developing the land. Where they are not demonstrated in a permit application, requirements will usually be included as a condition on a planning permit whether or not they take the same wording as in the structure plan. A requirement may reference a plan, table or figure in the structure plan.

Plan 2

GUIDELINES express how discretion will be exercised by the Responsible Authority in certain matters that require a planning permit. If the Responsible Authority is satisfied that an application for an alternative to a guideline implements the outcomes, the Responsible Authority may consider the alternative. A guideline may include or reference a plan, table or figure in the PSP.

Meeting these requirements and guidelines will implement the outcomes of the PSP.

Development must also comply with other Acts and approvals where relevant e.g. the *Environment Protection and Biodiversity Conservation Act 1999* in the case of biodiversity or the *Aboriginal Heritage Act 2006* in the case of cultural heritage, amongst others.

Not every aspect of the land's use, development or subdivision of land is addressed in this structure plan. A Responsible Authority may manage development and issue permits as relevant under its general discretion.

1.2 Land to which this PSP applies

The PSP applies to approximately 143 hectares of the land shown on Plan 1. The PSP area is generally bound by the Merri Creek to the west and south, Donnybrook Road to the north; and the Sydney-Melbourne rail line to the east.

The Precinct is located approximately 28 kilometres north of Melbourne's Central Business District. The site is strategically located south of Donnybrook township on Donnybrook Road and close to the existing Donnybrook train station on the Melbourne-Sydney rail line. The approved Lockerie Precinct Structure Plan lies immediately north of the Precinct and includes the Lockerie Principal Town Centre (PTC), the major centre planned to service the region. The Craigieburn North Employment Area Precinct (PSP 25.1) lies immediately south and west of the Precinct across Merri Creek.

The site is relatively flat, with a small rise in the central north. The site drains to the west and south-west into Merri Creek, which defines the western and southern boundary of the site. A small, defined valley drains the South West of the Precinct.

The Precinct has been largely cleared for agriculture; however there are areas of remnant plains grassy woodlands and Golden Sun Moth habitat across the east and south-west of the Precinct. Plains Grassy Woodland patches are recorded in several locations across the Precinct. The Biodiversity Conservation Strategy (BCS) identifies the Merri Creek Growling Grass Frog (GGF) reserve (No. 34) along the extent of Merri Creek in the Precinct up to 200 metres from the Creek line. The GGF reserve contains remnant riparian vegetation and nationally significant habitat for the threatened GGF.

Stands of introduced vegetation and windrows are evident along the Norman Road reserve and surrounding the farmhouse south-west of the English Street and Donnybrook Road intersection. Plan 2 identifies the key features of the land.

The land budget summary for the precinct is at Table 7.

1.3 Development Contributions Plan

Development proponents within the English Street Precinct will be bound by the English Street Development Contributions Plan (the DCP). The DCP sets out requirements for infrastructure funding across the English Street Precinct.

Once complete, the DCP will be a separate document incorporated in the Whittlesea Planning Scheme.

A DCP has also been prepared for the abutting Craigieburn North Employment Area, in the Hume City Council; the Craigieburn North Employment Area DCP. Although it constitutes a separate DCP, the Craigieburn North Employment Area DCP shares a major DCP project with the English Street DCP, the Merri

Deleted: * On 5 September 2013 an approval under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act) was issued by the Commonwealth Minister for Environment, Heritage and Water. The approval applies to all actions associated with urban development in growth corridors in the expanded Melbourne 2010 Urban Growth Boundary as described in page 4 in the Biodiversity Conservation Strategy for Melbourne's Growth Corridors (Department of Environment and Primary Industries, 2013). The Commonwealth approval has effect until 31 December 2060. The approval is subject to conditions specified at Annexure 1 of the approval. Provided the conditions of the EPBC Act approval are satisfied individual assessment and approval under the EPBC Act is not required. ¶

Creek road bridge.

Development proponents wishing to commence works prior to incorporation of this DCP can enter into agreements with the City of Whittlesea under Section 173 of the Planning and Environment Act 1987 to expedite contributions.

1.4 Background Information

Detailed background information on the Precinct is available, including the local and metropolitan context, history, biodiversity, landform and topography, land contamination, targeted aboriginal cultural values inspection, integrated water management, transport, economic and retail provision, open space and community infrastructure requirements. This information is summarized in the Craigieburn North Employment Area and English Street Precinct Background Report and has informed the preparation of the PSP.

2.0 OUTCOMES

2.1 Vision

The English Street precinct will be a well-presented, high-quality, business and residential area. Development of the precinct will create a diverse mix of commercial offices, a potential local convenience shop, community assets and residential dwellings. This will promote self-sufficiency for the precinct in meeting local daily needs. It will also strengthen the retail and commercial offering in the existing Donnybrook township. Residential and business development will capitalise on the precinct's proximity to Donnybrook train station.

The road network will enhance connections between the precinct and surrounding communities. The existing English Street road alignment will be upgraded and provide for a signalised intersection with Donnybrook Road, and connection to the Lockerbie precinct to the north. A new bridge connection to the south-west across Merri Creek, will connect the precinct westwards to the wider Northern corridor road network, including a potential new half-diamond freeway interchange and bridge at the Hume Freeway. This will strengthen connections to Melbourne as well as to the Folkstone and Merrifield Employment Areas and residential communities to the west. These links will also promote integration with the Principal Public Transport Network (PPTN), including direct links to the Donnybrook train station.

The precinct will develop as an attractive and integrated mixed-use development, placing strong emphasis on consistent and high quality landscaping. Development will also respond to the many interfaces that characterise the area; particularly the Sydney-Melbourne train line, Merri Creek, the planned Donnybrook Road overpass, and industrial uses to the east and west of the precinct.

Merri Creek provides a key conservation and landscape asset for the precinct; meanwhile acting as a continuous corridor supporting environmental, heritage and recreation value. The Creek corridor will be preserved and revegetated for the Growling Grass Frog (GGF) in accordance with the Biodiversity Conservation Strategy and the Sub-Regional Strategy for the GGF. As well as providing improved habitat for the GGF, the Merri Creek corridor supports a range of other biodiversity values that will be protected and enhanced, and will bestow local amenity through native plantings and provide informal recreation opportunities through the provision of linear trails and passive park areas.

Local active recreation opportunities for workers and residents in English Street will be provided by Laffan Reserve in the abutting Craigieburn North Employment precinct. As Laffan reserve is situated in the Hume City Council municipal area, the English Street PSP will not require the provision of sporting reserve land on site. Rather, funds from the precinct will be used to contribute to the upgrade of that reserve as well as providing a new pedestrian connection across Merri Creek.

Plan 3 demonstrates the future urban structure for the precinct.

2.2 Objectives

The following objectives describe the desired outcomes of the precinct's development, and guide the implementation of the vision.

Image and Character

- 01** Create an attractive urban environment through the provision of well-designed and integrated housing, local services and businesses, well-designed roads, landscaping, attractive open spaces and park networks.
- 02** Enhance the presentation of the precinct to Donnybrook Road by encouraging high quality commercial buildings and development fronting the road.
- 03** Promote a diversity in dwellings built in the precinct to meet the needs of the future resident population.

- O4** Create a high ~~value~~, indigenous landscape corridor along Merri Creek ~~and beyond~~.
- O5** Encourage high quality built form that demonstrates environmentally sustainable design principles.
- O6** Promote the retention of existing trees and windrows to add established character to the area.

Employment and Town Centres

- O7** Develop diverse local employment opportunities to meet the needs of existing and future residential populations.
- O8** Encourage the provision of local community infrastructure, including convenience retail, to meet the daily needs of residents within the precinct, without compromising the functions and roles of surrounding existing and planned activity centres.

Open Space, Natural Systems & Community Facilities

- O9** Provide an integrated and accessible public open space network for local residents and workers that offers access to sporting reserves and local parks linked via pedestrian and cycling trail networks.
- O10** Encourage a range of private and public community assets to promote local self-sufficiency within in the precinct.
- O11** Plan sensitive urban interfaces to Merri Creek.
- O12** Retain, protect and enhance the environs of the Merri Creek, and plan urban interfaces sensitively.
- O13** To create an urban landscape that integrates with the existing biodiversity, cultural heritage, drainage and landscape values within the precinct and along the conservation area.

Biodiversity, Threatened Species & Bushfire Management

- O14** ~~Create and retain~~ high-quality habitat for the Growling Grass Frog along the Merri Creek corridor, and support other environmental habitat value.
- O15** Plan for the long-term conservation and enhancement of areas of biodiversity.
- O16** Ensure that bushfire protection measures are considered in the layout and design of development and the local street network.

Transport & Movement

- O17** Provide strong external connections to the surrounding road network to foster accessibility of the precinct.
- O18** Create a road network that is legible and permeable and facilitates efficient and direct pedestrian, cyclist, public transport and vehicle movement.
- O19** Create a road and pedestrian and cycle path network that maximises connections to the existing Donnybrook train station.
- O20** Provide alternatives to the use of private vehicles through the creation of direct links to jobs for pedestrians, cyclists and the public transport system.

Integrated Water Management & Utilities

- O21** Deliver an integrated and resilient water ~~management~~ system that ~~reduces reliance on reticulated potable water, increases the re-use of alternative water minimises flood risk, ensures the environmental health of waterways and bays, protects public health, delivers affordable essential water services and contributes toward a liveable and green urban environment.~~

Precinct Infrastructure Plan & Staging

- O22** Provide all lots, to the satisfaction of the relevant authority, with potable water, electricity, reticulated sewerage, drainage, gas and telecommunications.
- O23** Install essential services in a way that does not impede the ability to plant canopy trees in streets and along easements.
- O24** Ensure that development staging is co-ordinated with the delivery of key local and state infrastructure.

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3.0 IMPLEMENTATION

3.1 Image, character, heritage & housing

3.1.1 Image & character

R1 Street trees must be provided on both sides of all roads and streets (excluding laneways) at regular intervals appropriate to tree size at maturity, unless otherwise agreed by the responsible authority, at an average of:

Average Interval Tree Size

- 8 – 10 metres Small trees (less than 10 metres)
- 10 – 12 metres Medium trees (10 – 15 metres)
- 10 – 15 metres Large trees (15 metres or greater)

R2 Street tree planting must use locally appropriate species and be consistent with any guidance provided on the relevant cross section within this Precinct Structure Plan unless otherwise approved by the responsible authority.

R3 Where a street frontage to a park is not provided, lots must provide for a 4 metre “Paper Road” to the satisfaction of the responsible authority.

G1 Street networks within subdivisions should be designed to maximise the number of connections and direct views to waterways and public open spaces.

G2 Significant elements of the landscape and built form should be used as focal points for view lines along streets.

G3 Retained windrows and significant trees should be reserved within the public domain, including parks and road reserves, unless otherwise agreed by the responsible authority.

3.1.2 Housing

R4 Planning permit applications must demonstrate how a development proposal will deliver a diversity of housing.

R5 Lots must front (in order of priority where a lot fronts multiple elements):

- Waterways and public open space.
- Local access streets.
- The railway line.
- ~~Conservation areas~~
- ~~Connector streets.~~

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R6 Subdivision applications must include indicative layouts for any lots identified for the future development of medium density, high density, or integrated housing that suitably demonstrate:

- Potential dwelling yield
- Active interfaces with adjacent streets, open space and waterways.
- Safe and effective internal vehicle and pedestrian circulation.
- Indicative treatments for sensitive interfaces – as identified in Plan 4.
- ~~Well-articulated built form and facilitate passive surveillance from windows, balconies and pedestrian access points.~~

R7 ~~Development abutting any conservation area must be in accordance with Figure 2, other than in exceptional circumstances where it must be to the satisfaction of the Department of Environment, Land, Water and Planning. Side and back fences must not be the property interface to the conservation area.~~

R8 Development of these lots abutting the Sydney-Melbourne railway line must provide for the outcomes illustrated in Figure 3 ~~unless to the satisfaction of the responsible authority.~~

Deleted: Lots facing the Growling Grass Frog Conservation Area must provide for the outcomes illustrated in Figure 2.

R9 ~~A use or development that contains a bedroom and is located on land that is within 80m of the railway track, or in the opinion of the responsible authority is to be impacted by noise from the train operations on the Sydney-Melbourne railway line, must be designed to ensure that internal noise levels in bedrooms is less than 85dB LAMAX and 60dB Leq9h (night).~~

G4 Subdivision of land should create an overall average density greater than 15 dwellings/NDH. Where a subdivision proposal represents a single stage or limited number of stages, proponents should demonstrate how the subdivision will contribute to the eventual satisfaction of this guidance.

G5 Subdivisions should, for each stage, cater for the provision of three or more dwelling types, as listed in Table 1, as appropriate, or demonstrate an alternative lot range that achieves the housing diversity objectives.

G6 Subdivision of land within 800 metres walkable catchment of the Donnybrook train station or designated public transport routes should create a range of lot sizes suitable for medium or high density housing types listed in Table 1. ~~An indicative area is shown on Figure 1 where this may be appropriate.~~

G7 Specialised housing forms, such as retirement living or aged care should be:

- Integrated into the wider urban structure.
- Located in close proximity to community hubs.
- Accessible by public transport.
- Not present as a barrier to movement through the surrounding road network.

G8 Streets should be the primary interface between development and the Growling Grass Frog Conservation Area. Any residential lots with a direct frontage to this area should only be considered in exceptional circumstances. In these instances where residential lots cannot be provided, they should be sufficiently set back from the waterway corridor to allow for the provision of both shared path and fire access to the front of those lots to the satisfaction of DELWP and the responsible authority.

Table 1 Housing Type by Lot Size

3.2 Town centres & employment

3.2.1 Town centres

Table 2 Proposed Town Centre Hierarchy – English Street Precinct Note: This table includes centres external to the Precinct area.

TOWN CENTRE	RETAIL FLOOR SPACE	COMMERCIAL FLOOR SPACE	LOCATION AND ANCILLARY USES
Lockerbie Principal Town Centre (External to the Precinct)	80,000 m2	40-50,000 m2	Located in the abutting Lockerbie Precinct, PSP 1066. Should provide a principal regional focus for a full range of community uses, business, and residential.
Lockerbie South Town Centre (External to the Precinct)	8,000 m2	5,000 m2	Located to service residents in Lockerbie and Kalkallo. Co-located with a State Primary School, non-government primary school, community facility and passive and active reserves.
English Street Local Convenience Centre (Potential)	1,500 m2	-	Located south of the intersection of Donnybrook Road and English Street to service the convenience needs of the English Street residents.
<u>Merrifield Major Town Centre</u>	<u>None specified</u>	<u>None specified</u>	<u>4km west of the English Street precinct along Donnybrook Road. Will provide a range of local and regional level retail, entertainment, commercial, civic, education, recreation and community services. Located adjacent to the Merrifield employment precinct.</u>

Table 3 Anticipated Employment Creation in the English Street Precinct

LAND USE	MEASURE	JOBS	QTY IN PSP	EST. JOBS
Council Community Facility	Jobs/centre	10	1 centre	10
Convenience retail (TBC)	Jobs/centre	5	1 centre	5
Office/commercial	Jobs/ha	40	17.46 ha	698
Home based business	Jobs/dwelling	0.05	1,251 dwellings	63
Total estimated				776

3.2.2 Local Convenience Centre

R10 - A Local Convenience Centre may be developed proximate to the location shown on Plan 3 and must be consistent with the guidance provided in relation to the hierarchy of centres in Table 2.

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- R11** A Local Convenience Centre must have direct vehicular access to a connector road.
- R12** Subdivision, use and/or development within Local Convenience Centres must have regard to the draft concept plan at Figure 4 and design criteria for Local Convenience Centres outlined in Appendix 4.2, as appropriate.
- R13** The design of any Local Convenience Centre must:
- Provide for a mix of tenancies.
 - Locate any servicing infrastructure and/or car parking to the rear or centre of the allotment in a manner that protects the visual amenity of the Precinct.
 - Be a high visual standard and quality of development should be provided along street frontages.
 - Provide a fine grain mix of uses and built form; and
 - Be located near to the local community centre.

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3.2.3 Employment

- R14** Active building frontages and customer pedestrian entrances must be provided to all highest order public streets, residential areas, waterways, open space and local conservation reserves as shown on Figure 1 to create visual interest and provide passive surveillance over the public realm unless to the satisfaction of the responsible authority.
- R15** Building design and interface treatment in commercial areas shown on Plan 3 must minimise negative impacts on the amenity of adjacent residential areas to the satisfaction of the responsible authority.
- R16** Key locations within the Commercial Area must incorporate features of interest into the built form and surrounding landscape, including:
- Variations in built form elements (such as building heights, use of parapets, awnings, shade structures, balconies, and roof elements).
 - Articulation of building facades.
 - Variation in use of colours and materials.
 - Windows.
 - Primary pedestrian points.
- R17** Vehicular access to properties fronting Donnybrook Road and English Street must be from service roads, internal loop roads and/or rear laneways. Lots fronting English Street must provide indented parking lanes to cater for on street parking.
- R18** Car parking and loading facilities must be located to the side or rear of any buildings. If any visitor car parking and access areas must be located in the front setback, it must be setback a minimum of 3 metres from the street frontage to enable provision of sufficient landscape strips at the street frontage.
- R19** Ancillary offices must be located at the front of the building and should include a façade addressing the street frontage of the lot and provide for improved pedestrian access.
- R20** Water tanks, loading, service infrastructure, storage area, refuse and other structures (including plant and equipment) that are not part of the building must be located behind the front building line. Where this is not possible or practicable, it should be located behind constructed screening using durable and attractive materials to the satisfaction of the responsible authority.
- R21** Subdivision abutting the Growling Grass Frog Conservation Area must provide for the outcomes illustrated in Figure 2. Alternatives will be considered subject to approval of the responsible authority and the Department of Environment, Land, Water and Planning.
- R22** Subdivision abutting the Sydney-Melbourne Railway Line must provide for the outcomes illustrated in Figure 3.
- R23** Environmentally sustainable principles and initiatives should be considered in the design of buildings, such as solar aspect, cross-flow ventilation, materials and finishes, embodied energy, use of solar hot water and on-site collection and reuse of stormwater.
- G2** Subdivision, land use and development of the English Street commercial area should respond to the English Street commercial area concept shown in Figure 1.

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G109 . Ancillary offices should be located at the front of the building and should include a façade addressing the street frontage of the lot and provide for improved pedestrian access.¶

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G10 - Fences and gates should be sited behind the building line, be integrated with the design of the buildings or should be visually permeable and not greater than 1.2 metres in height.

G11 - Development proposals in commercial areas should take into account the Crime Prevention Through Environmental Design (CPTED) and Safer Design Guidelines.

G12 - Large expanses of continuous wall visible to the street should have appropriate articulation and other elements to provide relief and visual interest, and provide appropriate landscaping to minimise visual mass.

G13 - Secondary street frontages should provide opportunities to activate buildings edges such as glazed frontages that enable passive surveillance over the public realm.

G14 - Car parks should be landscaped with canopy trees (minimum of one tree per 6 bays) and have adequate pedestrian paths to provide direct, dedicated access-ways from parking to building entrances.

G15 - All loading areas should be provided on site and should be designed to be separated from private vehicles, pedestrian and bicycle routes.

G16 - Applications for developments of 2000sqm of non-residential floor space should be accompanied by:

- A Sustainable Design Assessment demonstrating achievement of a high level of ESD performance compared to minimum mandatory standards, and
- A Green Travel Plan, both to satisfaction of the responsible authority.

G17 - As required above, Sustainable Design Assessments and Sustainability Management Plans should address the following ten categories:

- Energy efficiency
- Transport
- Climate change adaptation
- Integrated water management
- Waste management
- Urban ecology
- Indoor environment quality
- Building materials
- Site and ongoing building management
- Innovation.

G18 - Initiatives proposed under these categories must be supported with evidence that they meet an appropriate performance standard, and each must be reflected on other application documentation, including development drawings and implementation plans.

G19 - Residential and office uses above ground floor should be investigated where practical.

G20 - Built form should incorporate continuous awnings along building frontages where located in areas of high pedestrian activity.

G21 - Public space including drainage/wetland areas should be landscaped and integrated with places of employment to provide rest spots with large canopy trees or man-made shelters.

G22 - Development applications should provide a signage strategy incorporating all business, advertisement, directional and temporary signage in a package to ensure signage does not contribute to excessive visual clutter.

G23 - Interfaces to residential or public areas should minimise amenity impact through:

- Locating smaller lots and businesses with office components at sensitive interfaces, with larger lots and

Moved up [1]: Car parking and loading facilities should be located to the side or rear of any buildings. If any visitor car parking and access areas must be located in the front setback, it should be setback a minimum of 3 metres from the street frontage to enable provision of sufficient landscape strips at the street frontage. ¶

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more industrial uses towards Donnybrook Road and the Melbourne/Sydney Rail line on the edge of the precinct;

- Discouraging uses that generate high traffic volumes and utilize large vehicles;
- Designing built form to present their front, rather than side or rear to residential areas; and
- Minimising light spill through lighting design.

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Figure 2

3.3 Open Space, Community Facilities & Education

Table 4 Open Space Delivery Guide

Note: This table includes active recreation reserves external to the Precinct area.

PARK ID	AREA (HA)	TYPE	LOCATION & OTHER ATTRIBUTES	RESPONSIBILT
SR1	7.24	Laffan Reserve (in PSP 25.1) Upgrade to existing sporting	2 x soccer fields, 1 x multipurpose oval and pavilion (TBC)	HCC
LP1	1.00 ha	Local Park	Located in the north-west, abutting the Growling Grass Frog Corridor	CoW
LP2	0.50 ha	Local Park	Central to surrounding community	CoW
LP3	1.00 ha	Local Park	Central to surrounding community	CoW
LP4	0.25 ha	Local Park	Located in the south of the Precinct and abutting the Growling Grass Frog Corridor Conservation Reserve	CoW
LP5	0.35 ha	Local Park	Central to surrounding commercial area and abutting wetland	CoW

CoW = City of Whittlesea, HCC = Hume City Council, DELWP = Department of Environment, Land, Water & Planning

3.3.1 Local Parks

R24 All parks must be located, designed and developed in accordance with the relevant description in Table 4 and any local open space strategies. The area of the park may vary so long as it remains inside the guidance for the relevant type of park. Where a park is smaller than that outlined in the table, the land must be added to another park or used to create a new park in addition to those outlined on Plan 5. Where a proposed park is larger than outlined in the table it may be accepted so long as it does not result in the removal of another park allocation.

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R25 If parks interface with a drainage corridor, conservation area or encompass remnant native vegetation, the design of that open space must demonstrate that it has integrated the relevant environmental constraints and features into the design of the park.

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R26 Local parks within town centres must be delivered via the Clause 52.01 passive open space contributions, as appropriate.

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R27 Any fencing of open space, whether encumbered or unencumbered, must be low scale and visually permeable to facilitate public safety and surveillance.

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R28 All public landscaped areas must be designed to be robust and climatically appropriate, consistent with any local street tree or open space strategies.

Local Park Open Space Contributions - Residential

R29 Pursuant to the public open space contribution required by Clause 52.01 of the Whittlesea Planning Scheme, this provision sets out the amount of land to be contributed by each property identified as residential land in the Precinct and consequently where a cash contribution is required in lieu of land.

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All land owners must provide a public open space contribution equal to 3.75% of the Net Developable Area (NDA) residential upon subdivision of land in accordance with the following:

- Where land is required for unencumbered open space purposes as shown on Plan 5 and specified in Table 4 and is equal to 3.75% of NDA residential that land is to be transferred to Council at no cost.

- Where no land or less than 3.75% of NDA **residential** is shown in Plan 5 and specified in Table 4, as required for unencumbered open space purposes, a cash contribution is to be made to Council to bring the total open space contribution to a value equal to 3.75% of NDA of that site.
- Where land required for unencumbered open space purpose as shown on Plan 5 and specified in Table 4 is more than 3.75% of NDA **residential**, Council will pay an amount equivalent to the value of the additional land being provided by that proposed development.

The value of land for equalisation purposes is to be assessed as an equivalent proportion of the value of the whole of the land, in accordance with Section 18 of the *Subdivision Act 1988*.

Local Park Open Space Contributions – Commercial

R30 Pursuant to the public open space contribution required by Clause 52.01 of the *Whittlesea Planning Scheme*, this provision sets out the amount of land to be contributed by each property identified as commercial land in the Precinct and consequently where a cash contribution is required in lieu of land.

- All land owners must provide a public open space contribution equal to 2% of the Net Developable Area (NDA) **commercial** upon subdivision of land in accordance with the following:
- Where land is required for unencumbered open space purposes as shown on Plan 5 and specified in Table 4 and is equal to 2% of NDA **commercial** that land is to be transferred to Council at no cost.
- Where no land or less than 2% of NDA **commercial** is shown Plan 5 and specified in Table 4, as required for unencumbered open space purposes a cash contribution is to be made to Council to bring the total open space contribution to a value equal to 2% of NDA **commercial** of that site.
- Where land required for unencumbered open space purpose as shown on Plan 5 and specified in Table 4 is more than 2% **commercial** of NDA, Council will pay an amount equivalent to the value of the additional land being provided by that proposed development.

The value of land for equalisation purposes is to be assessed as an equivalent proportion of the value of the whole of the land, in accordance with Section 18 of the *Subdivision Act 1988*.

G24 A range of local park types should be provided across the precinct, in accordance with the City of Whittlesea's *Play Space Planning Framework and Policy*.

3.3.2 Community Buildings

R31 Community centres must be designed to front, and be directly accessed from, a public street with car parks located to the side and rear of the allotment.

G25 Any educational, community, or civic infrastructure not shown on Plan 3 should be located within or proximate to the local convenience centre, or council community building, as appropriate.

G26 Any private childcare, medical, or similar facility should be located proximate to the local convenience centre, and within the commercial precinct.

3.4 Biodiversity, Threatened Species & Bushfire Management

3.4.1 Biodiversity & Threatened Species

R32 Development **or works** abutting **or within** any conservation area must be in accordance with the Growling Grass Frog (GGF) Conservation Area Concept Plan and the Growling Grass Frog Conservation Area Cross-Section – Conservation Interface (Figure 2) to the satisfaction of the Secretary to the Department of Environment, Land, Water and Planning (DELWP). In cases where road frontage is not able to be provided, residential or commercial development must front onto the conservation area (i.e. there should be no side or back fences abutting the conservation area)

R33 Any public paths or infrastructure located within a conservation area must be designed to avoid/ minimise disturbance to vegetation or GGF habitat. Pubic paths are to be generally located in accordance with the GGF Conservation Area concept plan (Figure 4).

R34 Public lighting must be designed and baffled to prevent light spill and glare within and adjacent to any GGF

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Deleted: G15 . The indicative layout of community facilities as illustrated in Plan 3 may be altered to the satisfaction of the responsible authority. ¶
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conservation area, except where agreed by the Secretary to the DELWP.

G27 The layout and design of the waterways, wetlands and retarding basins (including the design of paths, bridges, boardwalks and the stormwater drainage system) should integrate with biodiversity and natural systems to the satisfaction of the responsible ~~authority~~. Melbourne Water and DELWP.

G28 Planting in streetscapes and parks abutting waterways should make use of indigenous species to the satisfaction of Melbourne Water and the responsible authority.

3.4.2 Bushfire Management

R35 Before the commencement of works for any stage of subdivision a Site Management Plan that addresses bushfire risk during, and where necessary, after construction must be submitted to and approved by the CFA. The plan must specify, amongst other things:

- The staging of development and the likely bushfire risks at each stage;
- An area of land between the development edge and non-urban areas consistent with the separation distances specified in AS3959-2009, where bushfire risk is managed;
- The measures to be undertaken by the developer to reduce the risk from fire within any surrounding rural or undeveloped landscape and protect residents and property from the threat of fire;
- How adequate opportunities for access and egress will be provided for early residents, construction workers and emergency vehicle.

- ~~In Bushfire Prone Areas (BPA), the minimum construction level under the Building Regulations is BAL 12.5.~~ The plan must be carried out to the satisfaction of the CFA ~~and the responsible authority~~.

Plan 7

3.5 Transport & Movement

3.5.1 Public Transport

R36 Bus stop facilities must be designed to the satisfaction of Public Transport Victoria and be an integral part of town centres and activity generating land uses such as employment areas ~~and local convenience centres to connect with train station and other town centres~~.

3.5.2 Walking & Cycling

R37 Design of all streets and arterial roads must give priority to the requirements of pedestrians and cyclists by providing:

- Footpaths of at least 1.5 metres on both sides of all streets and roads unless otherwise specified by the PSP.
- Shared paths or bicycle paths of 3.0 metres in width where shown on Plan 7 or as shown on the relevant cross-sections in Appendix 4.3 or as specified by another requirement in the PSP.
- Safe and convenient crossing points of connector roads and local streets at all intersections and on key desire lines as well as crossing of creeks and waterways
- Safe pedestrian crossings of arterial roads at all intersections, at key desire lines, and on regular intervals appropriate to the function of the road and public transport provision.
- Pedestrian priority crossings on all slip lanes.
- ~~Safe and convenient transition between on- and off-road bicycle networks.~~
- ~~Passive surveillance opportunities.~~
- ~~Lighting.~~

All to the satisfaction of the coordinating roads authority and the responsible authority.

R38 Shared and pedestrian paths along waterways must:

- Be delivered by development proponents consistent with the network shown on Plan 7.
- Be above 1:10 year flood level with any crossing of the waterway designed to maintain hydraulic function

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Deleted: Where any potential bushfire risk cannot be satisfactorily managed so as to protect new building, the CFA may require buildings to be constructed to BAL 12.5 as appropriate.

Deleted: R31 . For the purpose of Clause 56.06-7, the requirements of the relevant fire authority are, unless otherwise approved by the CFA: ¶
Constructed roads must be a minimum of 7.3m trafficable width where cars park on both sides, or:¶
A minimum of 5.4m in trafficable width where cars may park on one side only. » A minimum of 3.5m width no parking and 0.5m clearance to structures on either side, and if this width applies, there must be passing bays of at least 20m long, 6m wide and located not more than 200m apart. ¶
Roads must be constructed so that they are capable of accommodating a vehicle of 15 tonnes for the trafficable road width. ¶
The average grade of a road must be no more than 1 in 7 (14.4% or 8.1°). ¶
The steepest grade on a road must be no more than 1 in 5 (20% or 11.3°) with this grade continuing for no more than 50 metres at any one point. ¶
Dips on the road must have no more than 1 in 8 grade (12.5% or 7.1°) entry and exit angle. ¶
Constructed dead end roads more than 60 metres in length from the nearest intersection must have a turning circle with a minimum radius of 8m (including roll over curbs if they are provided). ¶

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of the waterway.

- Shared paths identified on Plan 7 are to be constructed with a concrete surface.
- Where a shared path is to be delivered on one side of a minor waterway as outlined in Plan 7, a path is also to be delivered on the other side of the waterway but may be constructed to a lesser standard. All to the satisfaction of the Melbourne Water and the responsible authority.

R39 Bicycle parking facilities including way finding signage are to be provided by development proponents in convenient locations at key destinations such as parks and the local convenience centre.

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G29 Location of walkways or pedestrian and cycle paths in addition to those described through the standard cross sections should consider the need for appropriate lighting and passive surveillance.

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G30 Lighting should be installed along shared, pedestrian, and cycle paths linking to key destinations, unless otherwise agreed by the responsible authority.

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3.5.3 Road Network

R40 Staging of subdivisions must provide for the timely connection of:

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- Essential infrastructure (services/utilities).
- Road links between properties.
- Road links to the connector and arterial road network.
- Pedestrian and cyclist links to the off-road pedestrian and bicycle network.

R41 Approximately 30% of local streets (including connector streets) within a subdivision must apply an alternative cross section to the 'standard' cross section for these streets outlined in Appendix 4.3. Examples of potential variations are provided in Appendix 4.3, however others are encouraged including but not limited to:

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- Varied street tree placement,
- Varied footpath or carriageway placement,
- Introduction of elements to create a boulevard effect,
- Varied carriageway or parking bay pavement material, and
- Differing tree outstand treatments.

For the purposes of this requirement, changes to street tree species between or within streets does not constitute a variation.

Alternative cross sections must ensure that:

- Minimum required carriageway dimensions are maintained to ensure safe and efficient operation of emergency vehicles on all streets as well as buses on connector streets.
- The performance characteristics of standard cross sections as they relate to pedestrian and cycle use are maintained.
- Relevant minimum road reserve widths for the type of street (illustrated in Appendix 4.3) are maintained. Alternative cross sections treatments must maintain the relevant minimum road reserve widths illustrated in Appendix 4.3.

R42 Streets must be constructed to property boundaries where an inter-parcel connection is intended or indicated in the structure plan, by any date or stage of development required or approved by the responsible authority.

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R43 Vehicle access to lots fronting arterial roads must be provided from a service road, local internal road or rear lane only, to the satisfaction of the coordinating road authority.

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R44 Configuration of vehicle access to lots must ensure that there is sufficient separation between crossovers to allow for a minimum of one on-street car park for every two residential lots.

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Deleted: R41 . Vehicle access to a lot that is six metres or less in width must be via rear laneway. ¶
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G31 Street layouts should provide multiple convenient routes to major destinations such as the local convenience

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centre and the arterial road network, generally in accordance with Plan 8.

G32 Street block lengths should not exceed 240 metres to ensure a permeable and low speed environment for pedestrians, cyclists and vehicles is achieved.

G33 Culs-de-sac should be discouraged as they detract from convenient pedestrian and vehicular connections.

G34 Slip lanes should be avoided in areas of high pedestrian activity and only be provided at any other intersection between the connector road and arterial road where they are necessitated by high traffic volumes/turning movements, to the satisfaction of the coordinating road authority.

G35 The frequency of vehicular crossovers on widened verges (a verge in excess of six metres) should be minimised through the use of a combination of:

- Rear loaded lots with laneway access.
- Vehicular access from the side of a lot.
- Combined or grouped crossovers.
- Increased lot widths.

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Plan 9

3.6 Integrated Water Management & Utilities

3.6.1 Integrated Water Management

R45 Stormwater runoff from the development must meet or exceed the performance objectives of the Best Practice Environmental Management Guidelines for urban stormwater management (as amended or superseded), prior to discharge to receiving waterways and as outlined on Plan 9 unless otherwise approved by Melbourne Water and the responsible authority.

R46 Final design of constructed waterways, waterway corridors, retarding basins, wetlands, water sensitive urban design features and associated paths, boardwalks, bridges, and planting, must be to the satisfaction of Melbourne Water and the responsible authority.

R47 Development staging must provide for the delivery of ultimate waterway and drainage infrastructure, including stormwater quality treatment listed in Table 5. Where this is not possible, development proposals must demonstrate how any interim solution adequately manages and treats stormwater generated from the development and how this will enable delivery of an ultimate drainage solution, to the satisfaction of Melbourne Water and the responsible authority.

R48 Subdivision applications must demonstrate how:

- Waterways and integrated water management design enables land to be used for multiple recreation and environmental purposes.
- Overland flow paths and piping within road reserves will be connected and integrated across property / parcel boundaries.
- Freeboard requirements for overland flow paths will be adequately contained within road reserves, all to the satisfaction of Melbourne Water and the responsible authority.

R49 Stormwater conveyance and treatment must be designed in accordance with the relevant drainage strategy established by Melbourne Water or the responsible authority.

G36 The design and layout of roads, road reserves, and public open space should optimise water use efficiency and long-term viability of vegetation and public uses through the use of WSUD initiatives, such as rain gardens and / or locally treated storm water for irrigation to contribute to a sustainable and green urban environment.

G37 Where practical, and where primary waterway, conservation or recreation functions are not adversely affected, land required for integrated water management initiatives (such as stormwater harvesting, aquifer storage and recharge, sewer mining) should be incorporated within the Precinct open space system as depicted on Plan 5.

G38 Development should reduce reliance on potable water by increasing the utilization of fit-for-purpose alternative water sources such as storm water, rain water and recycled water.

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G39 Development should have regard to relevant policies and strategies being implemented by the responsible authority, Melbourne Water and retail water authority, including an approved Integrated Water Management Plan.

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G40 Development should have regard to relevant policies and strategies being implemented by the responsible authority, Melbourne Water and retail water authority, including an approved Integrated Water Management Plan.

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Table 5 English Street Stormwater Drainage and Water Quality Treatment Infrastructure

ID	Asset Type /Description	Location	Total Land Take Required	Land Within Otherwise Developable Land	Maintenance Responsibility
WL1	Wetland 1	North west of precinct abutting and within conservation area	1.26 ha	0.00 ha	CoW
WL2	Wetland 2	West of precinct, within Conservation area	0.40 ha	0.00 ha	CoW
WL3	Wetland 3	South west of precinct abutting and within Conservation area	0.75 ha	0.21 ha	CoW
WL4	Wetland 4	South west of precinct abutting and within conservation area	0.40 ha	0.00 ha	CoW
WL5	Wetland 5	Within commercial area	0.81 ha	0.81 ha	CoW
WL6	Wetland 6	Within commercial area	0.82 ha	0.82 ha	CoW
<u>WL7</u>	<u>Wetland 7</u>	<u>Within commercial area</u>	<u>0.79 ha</u>	<u>0.79 ha</u>	<u>CoW</u>

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CoW = City of Whittlesea

The areas identified in this table are subject to change/ confirmation during the detailed design stage, to the satisfaction of Melbourne Water and the Responsible Authority.

Plan 10 3.6.2 Utilities

R50 Trunk services are to be placed along the general alignments shown on Plan 10, subject to any refinements as advised by the relevant servicing authorities.

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R51 Delivery of underground services must be coordinated, located, and bundled (utilising common trenching) to facilitate the planting of trees and other vegetation within road verges.

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R52 All existing above ground electricity cables of less than 66kV voltage must be placed underground as part of the upgrade of existing roads.

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R53 All new electricity supply infrastructure (excluding substations and cables of a voltage greater than 66kV) must be provided underground.

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R54 Where existing above ground electricity cables of 66kV voltage are retained along road ways, underground conduits are to be provided as part of the upgrade of these roads to allow for future undergrounding of the

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electricity supply.

R55 Above ground utilities must be identified at the subdivision design stage to ensure effective integration with the surrounding neighbourhood and to minimise amenity impacts, and be designed to the satisfaction of the relevant authority.

Where that infrastructure is intended to be located in public open space, the land required to accommodate that infrastructure will not be counted as contribution to POS requirements classified under Clause 52.01 or the English Street Development Contributions Plan.

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R56 Utilities must be placed outside any conservation areas shown on Plan 6. Utilities must be placed outside of natural waterway corridors or on the outer edges these corridors to avoid disturbance to existing waterway values, native vegetation, significant landform features and heritage sites, to the satisfaction of Melbourne Water and the responsible authority.

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G41 Above ground utilities should be located outside of key view lines and screened with vegetation, as appropriate.

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G42 Design and placement of underground services in new or upgraded streets should utilise the service placement guidelines outlined in Appendix 4.3.

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G43 Utility easements to the rear of lots should only be provided where there is no practical alternative.

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G44 Existing above ground 66kV electricity cables should be removed and placed underground as part of the upgrade of existing roads.

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3.7 Precinct Infrastructure Plan & Staging

3.7.1 Precinct Infrastructure Plan

Table 6

CATEGORY	TITLE	DESCRIPTION	LEAD AGENCY	TIMING S, M, L	INCLUDED IN DCP	DCP REFERENCE NO.
Road Projects						
Road	Donnybrook Road	6 lane arterial road (ultimate) – Road land (minimum 41m).	VicRoads	M	No	N/A
Road	English Street – Donnybrook Road to Norman Road Intersection ▼	Purchase of land from 20m to 34m wide 4 lane arterial road (ultimate treatment) and construction of 2-lane carriageway (interim) excluding intersections. ▼	City of Whittlesea	S M	Yes (interim) No (ultimate)	RD-25.2-1
Road	English Street – Intersection Norman Road Intersection to Merri Creek ▼	Purchase of land for 4 lane arterial road 34m wide (ultimate treatment) and construction of a 2-lane carriageway (interim treatment), excluding intersections. ▼	City of Whittlesea	S M	Yes (interim) No (ultimate)	RD-25.2-2
Bridge Projects						
Bridge	Donnybrook Road overpass of Sydney to Melbourne railway line	Bridge over the railway line to provide for grade separation	VicRoads	L	No	N/A

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Deleted: 4 lane arterial road (ultimate) and extension

Deleted: reconstruction and extension to Merri Creek

Deleted: 4 lane arterial road (ultimate) – and extension new road reserve, 34m

Bridge	Merri Creek Road Bridge	4-lane bridge crossing of Merri creek (ultimate) and construction of a 2 lane <u>road bridge</u> (interim).	Hume City Council and City of Whittlesea	M L	Yes (interim) No (ultimate)	BR-25.2-2	Deleted: Road Bridge
Bridge	Merri Creek Pedestrian Bridge	Construction of a pedestrian bridge	Hume City Council and City of	M	Yes	BR-25.2-2	Deleted: Shared trail bridge crossing of Merri Creek
Intersection Projects							
Intersection	Donnybrook Road / English St	Purchase of land for intersection (ultimate treatment) and construction of arterial to arterial <u>4-way</u> signalised intersection (interim treatment)	VicRoads and City of Whittlesea	S M	Yes (interim) No (ultimate)	IN-25.2-2	Deleted: 4 way
Intersection	English Street / Mid block	Purchase of land for intersection (ultimate treatment) and construction of arterial to connector street <u>4-way</u> intersection	City of Whittlesea	M	Yes (interim) No (ultimate)	IN-25.2-2	Deleted: No Deleted: and Deleted: 2
Intersection	English Street / Norman Road	Purchase of land for intersection (ultimate treatment) and construction of arterial to access road <u>3-way intersection</u> (interim treatment)	City of Whittlesea	M L	Yes (interim) No (ultimate)	IN-25.2-2	Deleted: Access road Deleted: L Deleted: arterial Deleted: signalised
Community Centre	English Street Level 1 Community Activity Centre	Construction of two maternal and Child Health consulting rooms and flexible activity rooms.	City of Whittlesea	S	Yes	CB-25.2-2	Deleted: (interim treatment) Deleted: N/A Deleted: 4-way roundabout
Sports Facilities	Laffan Reserve (HCC)	Contribution to upgrade of Sporting Ovals	Hume City Council	M	Yes	SR-25.2-2	Deleted: Pedestrian crossing
Sports Facilities	Laffan Reserve (HCC)	Contribution to upgrade of Pavilion	Hume City Council	M	Yes	SR-25.2-2	
Sports Facilities	Donnybrook Sporting Reserve (South-west)	Cash-in-lieu of land equivalent to 6% of total NDA-R for active sports fields.	City of Whittlesea	L	Yes	SR-25.2-3	
Kindergarten Provision	Kindergarten Provision	Cash-in-lieu of equivalent cost of construction of one kindergarten room	City of Whittlesea	M	Yes	CB-25.2-2	

3.7.2 Development Staging

R57 Subdivision of land on lots identified in Plan 11 showing affected land adjacent to the future bridge crossing of the Merri Creek is not permitted until the exact location for bridge abutments has been determined, or unless otherwise agreed by the responsible authority and Hume City Council.

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- R58** Development staging must provide for the timely provision and delivery of:
- Arterial road reservations.
 - Street links between properties, constructed to the property boundary.
 - Connection of the on- and off-road pedestrian and bicycle network.

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- G45** Staging will be determined largely by the development proposals on land within the precinct and the availability of infrastructure services. Within this context, the following should be achieved:
- Development staging should, to the extent practicable, be integrated with adjoining developments, including the timely provision of connecting roads and walking/cycling paths.
 - Access to each new lot must be via a sealed road.

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3.7.3 Subdivision Works

- R59** Subdivision of land within the precinct must provide and meet the total cost of delivering the following infrastructure:

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- Connector roads and local streets.
- Local bus stop infrastructure (where locations have been agreed in writing by Public Transport Victoria).
- Landscaping of all existing and future roads and local streets.
- Intersection works and traffic management measures along arterial roads, connector streets, and local streets (except those included in the English Street Development Contributions Plan (DCP) .
- Council approved fencing and landscaping (where required) along arterial roads.
- Fencing along the rail corridor to the satisfaction of Public Transport Victoria (PTV)
- Local shared, pedestrian and bicycle paths along local arterial roads, connector roads, utilities easements, local streets, waterways and within local parks including bridges, intersections, and barrier crossing points (except those included in the DCP).
- Bicycle parking.
- Appropriately scaled lighting along all roads, major shared and pedestrian paths, and traversing public open space.
- Basic improvements to local parks and open space (refer open space delivery below).
- Local drainage system.
- Local street or pedestrian path crossings of waterways unless included in the DCP or outlined as the responsibility of another agency in the Precinct Infrastructure Plan.
- Construction of shared paths along waterways and in local parks.
- Infrastructure as required by utility service providers including water, sewerage, drainage (except where the item is funded through a Development Services Scheme), electricity, gas, and telecommunications.

- R60** All local parks (where not otherwise provided via the DCP) must be finished to a standard that satisfies the requirements of the responsible authority prior to the transfer of the public open space, including:

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- Removal of all existing and disused structures, foundations, pipelines, and stockpiles.
- Clearing of rubbish and weeds, levelled, topsoiled and grassed with warm climate grass (unless conservation reserve requirements dictate otherwise).
- Provision of water tapping, potable and recycled water connection points.
- Implementation of Tree Protection Zones (TPZs) for existing trees to be retained to the satisfaction of the responsible authority.
- Planting of trees and shrubs.
- Provision of vehicular exclusion devices (fence, bollards, or other suitable method) and maintenance access points.
- Installation of park furniture including barbeques, shelters, furniture, rubbish bins, local scale playground equipment, local scale play areas, and appropriate paving to support these facilities, consistent with the

type of public open space listed in the open space delivery guide (Table 4).

G46 The early delivery of community facilities, local parks and playgrounds is encouraged within each neighbourhood and may be delivered in stages.

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4.0 APPENDICES

No changes proposed to appendices beyond update to land budget consequential on other changes.

CW1	Constructed Waterway 1	North west of precinct abutting Donnybrook Road	0.28 ha	0.13 ha	CoW
WL5	Wetland 6	Within commercial area	0.79 ha	0.79 ha	CoW

Pedestrian crossing	English Street	Construction of a signalised pedestrian crossing	City of Whittlesea	S M	Yes (interim) No (ultimate)	
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