Division 5—Reconfiguring a Lot Code

(5)

12.5.1 Reconfiguring a Lot Code

The provisions in this division comprise the Reconfiguring a Lot Code. They are—

- compliance with the Reconfiguring a Lot Code (section 12.5.2);
- overall outcomes for the Reconfiguring a Lot Code (section 12.5.3);
- specific outcomes and probable solutions for Residential, Commercial, Industrial, Township and Other Types of Urban Reconfiguring (section 12.5.4);
- specific outcomes and probable solutions for Rural Reconfiguring (section 12.5.5).

12.5.2 Compliance with the Reconfiguring a Lot Code

- (1) Development that, in the local government's opinion is consistent with the specific outcomes in sections 12.5.4 and 12.5.5 complies with the Reconfiguring a Lot Code.
- (2) Where any provision of any cited technical documentation (e.g. AMCORD, Queensland Streets 1998 Edition, Queensland Urban Drainage Manual, etc) does not accord with this code, the provisions of this code take precedence.
- (3) This code has been produced for all types of lot reconfiguration, grouped into two (2) categories, namely urban reconfigurations and rural reconfigurations.

(4) Urban reconfigurations—

- (a) comprise—
 - (i) residential (including large lot residential);
 - (ii) commercial;
 - (iii) industrial;
 - (iv) other urban type reconfigurations; and
 - (v) reconfigurations within the Township Locality;
- (b) have been categorised into the following intensity categories
 - minor subdivision (where a new road or street is not to be constructed);
 - (ii) moderate/major subdivisions (where a new road or street is to be constructed).

NOTE 12.5.2A

- (1) The distinction between moderate and major subdivisions is based on the number of lots proposed to be created and the type of road or street to be constructed.
- (2) For a complete description of the different classes of lot reconfigurations refer to Schedule 1—Dictionary, Division 2—Administrative Terms.

Rural reconfigurations—

- (a) comprise all reconfigurations within the Rural Locality;
- (b) have been categorised into the following intensity categories
 - minor rural subdivision (where a new road or street is not to be constructed);
 - (ii) moderate rural subdivision (where a new road or street is to be constructed).

NOTE 12.5.2B

For a complete description of the different classes of lot reconfigurations refer to Schedule 1—Dictionary, Division 2—Administrative Terms.

12.5.3 Overall Outcomes for the Reconfiguring a Lot Code

(1)

The overall outcomes are the purpose of the Reconfiguring a Lot Code.

NOTE 12.5.3A

Sub-section (1) provides the link between the overall outcomes sought for the code and the IPA code assessment rules which refer to the 'purpose' of the code [see IPA s.3.5.13(2)].



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(2) The overall outcomes sought for the Reconfiguring a Lot Code are the following design elements—

> Residential (including Large Lot Residential), Commercial and Industrial Estate Design (Urban Areas Only)

- (a) Safe, convenient and attractive residential neighbourhoods and functionally compatible commercial centres and industrial estates that meet the diverse and changing needs of the community are provided.
- (b) This encompasses—
 - offering a wide choice in good quality housing and associated community and commercial facilities;
 - (ii) offering a diversity of services at locations that are highly accessible to all sections of the community;
 - (iii) providing for local employment opportunities;
 - (iv) encouraging walking and cycling;
 - (v) facilitating the use of public transport;
 - (vi) creating neighbourhood focal points and a diverse range of activities within each commercial centre or industrial estate to promote a 'sense of place' and the creation of a distinctive identity which recognises and, where relevant, conserves the natural environment and places of cultural heritage significance; and
 - (vii) facilitating ecologically sustainable development.

Integrated Movement Networks

- (c) Movement networks are provided—
 - within urban areas for vehicles, public transport, pedestrians and cyclists that are integrated, cost-effective and environmentally acceptable, and which minimise internal traffic volumes and the impact of traffic on the residential environment; and

 within rural areas for vehicles, that are cost-effective and environmentally acceptable, and which minimise the impact of traffic on the rural environment.

The Road System

(d) An efficient road system (i.e. for major roads) is provided external to the Residential, Commercial/Industrial and Rural Street System.

Street Networks

(e) Street networks are created in which the function of each street is clearly identified, providing acceptable levels of access, on-street parking (urban areas only), safety and convenience for all users whilst minimising the impact on the environment and maintaining and enhancing identified conservation values.

Pedestrian and Cyclist Facilities (Urban Areas Only)

(f) Walking and cycling are encouraged by providing safe, convenient and legible movement networks to points of attraction within and beyond the development and to nearby centres and employment areas.

Public Transport (Urban Areas Only)

(g) Opportunities for increased choice in mode of transport and cost-effective and energy-efficient public transport services that are accessible and convenient to the community are provided.

Public Open Space (Urban Areas Only)

(h) An integrated public open space system is provided, where appropriate, that meets user needs for recreational and social activities, amenity and community identity.

Street Design and On-Street Carparking

- (i) Streets are designed to-
 - (i) fulfil their designated functions within the street network;
 - accommodate public utility services, drainage systems and on-street carparking (urban areas only);
 - create acceptable levels of safety and convenience for all street users;

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- (iv) contribute towards an attractive environment; and
- (v) avoid configurations of lights in areas within 6km of the RAAF Base Amberley runway that replicate the appearance of airport runways at night.

Utilities

- (j)
- (i) Residential (including any large lot residential), commercial and industrial areas are adequately serviced with sewerage (on-site effluent treatment and disposal for large lot residential uses), water, fire-fighting, electricity, gas, street lighting and communication services in a timely, cost-effective, coordinated and efficient manner that supports sustainable development practices; and
 - rural reconfigurations are (ii) adequately serviced with reticulated water (where available), electricity and communication services in a timely, cost-effective, coordinated and efficient manner that supports sustainable development practices.

Stormwater Drainage

- Drainage systems are provided (k) which-
 - (i) adequately protect people and the natural and built environments at an acceptable level of risk and in a costeffective manner, in terms of initial cost and maintenance; and
 - contribute positively to the (ii) environmental enhancement of catchment areas.

Stormwater Quality Management

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- Stormwater quality management (I) systems are provided which
 - ensure that disturbance to (i) natural riparian systems is minimised including the minimisation of erosion and scour resulting from changed water regimes; and

(ii) ensure stormwater discharge to receiving waters, both during construction and in developed catchments, does not degrade the quality of water in the receiving environments.

Streetscape and Landscape (Urban Areas Only)

- (m) Attractive streetscapes are provided that
 - reinforce the functions of a (i) street:
 - enhance the amenity of (ii) premises;
 - are sensitive to the built form, (iii) landscape and environmental conditions and character of the locality; and
 - (iv) promote safety and security.
- New development is cognisant of the (n) existing landscape character, and retains or reinforces that character through measures such as vegetation retention, provision of new landscaping, management of stormwater quality and use of appropriate urban design principles.
- (0) Where there is no discernible existing landscape character, new development provides appropriate landscaping and applies urban design principles that will assist in creating character.

Lot Layout and Design

- A range and mix of lot sizes are (p) provided to suit a variety of dwelling and household types, commercial and industrial purposes and primary production purposes, with areas and dimensions that meet user requirements.
- For residential development, lots are in (q) keeping with the environmental values of the site (including local and regional biological diversity, where possible) and are oriented where practicable to enable microclimate management, including the application of energy conservation principles.
- For commercial and industrial (r) development, lots are consistent with the overall and specific outcomes of the respective Commercial and Industry Zones.

(s) For rural development, lots are consistent with the overall and specific outcomes of the Rural Zones.

- 12.5.4 Specific Outcomes and Probable Solutions for Residential, Commercial, Industrial and Other Types of Urban Reconfiguring
- (1) The specific outcomes sought for Urban Reconfiguring for—
 - minor subdivision are set out in column 1 of Table 12.5.1 and the probable solutions are set out in column 2 of Table 12.5.1; and

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- (b) moderate/major subdivision are set out in column 1 of Table 12.5.2 and the probable solutions are set out in column 2 of Table 12.5.2.

NOTE 12.5.4A

- (1) Table 12.5.1 relates to 'minor subdivision'.
- (2) Table 12.5.2 relates to 'moderate/major subdivision'.
- (3) Refer to section 12.5.2(4) for an explanation of the terms 'minor' and 'moderate/major' subdivision.

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Table 12.5.1: Specific Outcomes and Probable Solutions for Minor Subdivisions

| Column 1 Specific Outcomes | | | Column 2 Probable Solutions | | | | |
|-------------------------------|-------|---|--------------------------------|------------------|-------|--|--|
| .ot L | ayout | and Design | Lot Layout and Design | | | | |
| 1) | Lots | (including hatchet lots) have the appropriate area and nsions to— | (1) | (8 | a) | The lot size, frontage and special characteristics for the different residential lot types are as outlined in Appendix <i>J</i> | |
| | (a) | enable the siting and construction of a dwelling and ancillary outbuildings, where for the purposes of residential use; | | any | | ific density or special lot characteristic attribute (including to the applicable Zone Code. | |
| | (b) | enable the siting and construction of commercial or industrial buildings, where for the purposes of commercial or industrial use; | | (t |) | The requirements for access easements for residential lo are those applicable for hatchet lots [see Probable Soluti (3) below]. | |
| | (c) | provide for landscaping, including private outdoor recreational space; | | (0 | :) | The lot size, frontage and special characteristics for the different commercial and industrial lot types are as outline | |
| | (d) | provide convenient vehicle access and parking; | | | | in Appendix B. | |
| | (e) | take into account the slope of the land, in particular the desirability of minimising earthworks/retaining walls associated with building construction; | | (0 | | The requirements for access easements, for commercial industrial lots, although undesirable, are to be those applicable for hatchet lots [see Probable Solution (3) | |
| | (f) | overcome site constraints (e.g. undermining, flooding, drainage, bushfire risk, buffers to incompatible land uses etc); | | | | below]. | |
| | (g) | conserve natural, cultural or special features (e.g. trees, buildings, views etc); | | | | | |
| | (h) | avoid large concentrations of cottage lots and courtyard lots in the Low Density Residential Zones or Sub Areas; | | | | | |
| | (i) | ensure that cottage lots and courtyard lots are located in close proximity to parks, shops, employment areas or community facilities; and | | | | | |
| | (j) | promote safety and security. | | | | | |
| IOT | E 1 | | | | | | |
| | | a hatchet lot is not to include reference to the access strip he lot). | | | | | |
|) | | configuration of land may produce one or more hatchet lots, ded— | (2) | (a) ⁻ | | following apply in respect of residential lots— | |
| | (a) | it is not likely to prejudice the subsequent reconfiguration or use of adjoining land; | | | (i) | any lot having a common boundary with an access stri of a hatchet lot is to have a width of 20m at any point throughout its depth or is capable of providing an area | |
| | (b) | adjoining land to be otherwise reconfigured so as to have a | | | | containing a rectangle (suitable for building purposes) measuring 9m by 15m; | |
| | | frontage to another road which may be subsequently constructed: | | | (ii) | hatchet lots are not used for multiple residential use; a | |
| | (c) | the siting of buildings on a proposed hatchet lot will not be detrimental to the amenity of the area; | | (1) | (iii) | the proposed lot will have no greater than five (5) adjoining neighbours. | |
| | (d) | existing development of land in the area will not have a | | (D) | | following apply in respect of commercial or industrial lots | |
| | (4) | detrimental effect on buildings to be sited on the proposed hatchet lots; and | | | (i) | any lot having a common boundary with an access stri of a hatchet lot is to have a width of 25m at any point throughout its depth or is capable of providing an area | |
| | (e) | there is no reasonable alternative to the hatchet lot having regard to the sites's topography, access, location, shape | | | | containing a rectangle (suitable for building purposes) measuring 14m by 28m; | |
| | | and size. | | | (ii) | hatchet lots are not used for commercial or industrial uses. | |

(1) Unless required by specific site conditions in respect of topography, parcel size, location (especially in relation to public open space), access or shape, residential hatchet lots are 'the exception rather than the norm'.

(2) Unless required by specific site conditions in respect of topography, parcel size, location, access or shape, hatchet lots are undesirable for commercial or industrial uses as they accentuate parking problems on the street particularly as on-site parking spaces are not visible from the street.



| | Column 1 | | | Column 2 | | | | |
|-----|-------------|---|--------------------|----------|---|--|--|--|
| | | Specific Outcomes | Probable Solutions | | | | | |
| (3) | Hatc (a) | het lots— do not dominate or intrude within the existing subdivision | (3) | (a) | The number of hatchet lots is generally limited to one (1) behind any full frontage lot. | | | |
| | (u) (b) | pattern; provide an access strip capable of accommodating | | (b) | The access strip is located on only one (1) side of a lot with direct frontage to the street. | | | |
| | (c) | adequate vehicular access and utility services; and | | (c) | The shape of the access strip (including the construction of the driveway) for a residential or commercial lot enables a single upit truck to exter and lower the let in forward prove | | | |
| | | restrict on-street parking. | | (d) | single unit truck to enter and leave the lot in forward gear. The shape of the access strip (including the construction of the driveway) for an industrial use enables a semi-trailer to enter and leave the lot in forward gear. | | | |
| | | | | (e) | The minimum width of the access strip is as follows— | | | |
| | | | | | (i) Traditional Lots – 4m ⁽¹⁾ ; | | | |
| | | | | | (ii) Hillside, Homestead or Township Lots – 5m ⁽¹⁾ ; | | | |
| | | | | | (iii) Dual Occupancy Dwelling Lots – 5m ⁽²⁾ . | | | |
| | | | NO | TE 4 | | | | |
| | | | (1) | | here unavoidable, the width of the access strip for a multiple sidential, commercial or industrial lot is as follows— | | | |
| | | | | (a) | Multiple Residential Lots – 7m ⁽²⁾ ; | | | |
| | | | | (b) | Commercial Lots – 7m ⁽¹⁾ ; | | | |
| | | | | (C) | Mixed Business and Industry Lots – 9m ⁽¹⁾ ; | | | |
| | | | | (d) | | | | |
| | | | (2) | mu | spite of the recommended minimum width of the access strip, it ust be of sufficient width to accommodate a driveway, utility rvices and the provision of landscaping. | | | |
| | | | (3) | In se | the case of telecommunications and electricity services, these rvices are to be via underground cable for the full length of the cess strip. | | | |
| | | | | (f) | The type of reciprocal easements comply with the requirements shown in Diagram A, below. | | | |
| | | | | | Diagram A | | | |
| | | | | - | Image: Constraint of the constraint | | | |
| | | | | (g) | For residential lots, the minimum width of the constructed driveway in the access strip is three (3) metres. | | | |
| | | | | (h) | the driveway is to be constructed from the kerb for the full length of the access strip. | | | |

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¹ Where two (2) hatchet lots are proposed, the combined access strip is to be increased by 1 metre for residential lots or 2 metres for commercial or industrial lots to allow for the provision of utility services, driveway construction and other matters, provided reciprocal easement rights are used.

² The access strip is to remain in common property. Owing to the number of dwelling units involved, reciprocal easement rights are unsuitable for this type of lot.

| Column 1 | Column 2 | | | | |
|---|---|--|--|--|--|
| Specific Outcomes | Probable Solutions | | | | |
| | NOTE 5 Where unavoidable, the minimum width of the constructed driveway in the access strip (which is to be constructed from the kerb for the full length of the access strip) for multiple residential, commercial or industrial lots is as follows— | | | | |
| | (a) multiple residential purposes – 5.5 metres; | | | | |
| | (b) commercial lots – 6 metres; | | | | |
| | (c) industrial lots – 7 metres. | | | | |
| | For residential lots, other than homestead or township lots, a drainage system is provided so that no part of the driveway is below the adopted flood level. | | | | |
| | (j) For homestead or township lots no part of the driveway is below the adopted flood level. | | | | |
| | NOTE 6 | | | | |
| | Where unavoidable, for commercial or industrial lots, a drainage system is provided so that no part of the driveway is below the adopted flood level. | | | | |
| | NOTE 6A | | | | |
| | Particular regard should also be given to the Fire Fighting provisions contained in Clause (10) Table 12.5.1. | | | | |
| Designated Roads | Designated Roads | | | | |
| (4) Access arrangements do not impede the traffic performance of Designated Roads. | (4) (a) Residential lots do not have direct vehicle access to the road system unless there are no suitable access alternatives (provided by the street system), in which case vehicle access onto the Designated Road is capable of being made in a forward direction. | | | | |
| | NOTE 7 | | | | |
| | See element 5.13 of AMCORD for possible means of achieving vehicle access. | | | | |
| | (b) Any vehicle access for a residential lot is limited to one (1) point only (where direct access to the Designated Road is unavoidable). | | | | |
| | (c) Commercial or industrial lots do not have direct vehicle access to the road system unless there are no suitable access alternatives (provided by the street system), in which case vehicle access onto the Designated Road must be capable of being made in a forward direction using a left turn only. | | | | |
| | (d) Any vehicle access is sited to obtain the maximum visibility (i.e. sightlines). | | | | |
| Public Open Space | Public Open Space | | | | |
| (5) Linear and Waterside Parks are provided in the general locations as outlined in Part 13—Local Government Infrastructure Plan. | (5) In those lot reconfigurations adjoining a river or creek system where it is proposed that linear or waterside parkland be secured— | | | | |
| | (a) land dedications are provided (and are indicated on the Plan of Subdivision); and | | | | |
| | (b) the lot layout aligns the parkland reserve along the river or creek edge; | | | | |



| | Column 1 Specific Outcomes | | | | Column 2 Probable Solutions |
|------|---|------------------|------------------------|----------------------------------|---|
| | | NOT | E 8 | | |
| | | (1) | spac outli | e systei | is dedicated which forms part of the adopted open m, an infrastructure credit (offset) will apply as ne Ipswich Adopted Infrastructure Charges |
| | | (2) | park asso cash | s propo ciated v reimbu | alue of the land to be dedicated exceeds the public tion of an adopted infrastructure charge obligation vith the reconfiguration, the applicant is entitled to rsement of the infrastructure credit (offset) as outlined th Adopted Infrastructure Charges Resolution. |
| | | (3) | cons be in unle: | idered t cluded ss the la | the 1 in 20 Average Recurrence Interval (ARI) is o represent a primary drainage function and is not to in any public parks infrastructure credit calculations and is stable, useable and free from encumbrances to ic recreation uses. |
| | | (4) | exist oper prov | ng ope space sion of | roposed open space does not immediately adjoin n space or land in the process of being dedicated as it may be necessary to include in the dedication the access easements (either temporary or permanent) to d open space. |
| | | | (c) | level the b 30 m less t | Attent of the parkland correlates with the adopted flood or is a minimum width of 30 metres (measured from anks of the watercourse) or as much in addition to the etres to achieve at least a 10 metre width with slopes han 1 in 20 (5%) to enable construction of a ng/bicycle path and to facilitate maintenance; |
| | | | (d) | pede drain | nd is stable and useable for recreation and strian/cycle movement, within the broader functions of age, conservation and visual amenity; |
| | | | (e) | | nd is not constrained by encumbrances from ding public recreation uses. |
| | | NOT | E 9 | | |
| | | encu exce | mbrar pt whe | ices (e.) ere thes | ral significance, conservation or infrastructure g. high voltage overhead power transmission lines) e can be incorporated to supplement or enhance the the land. |
| Fron | tage Works and Utilities | Fron | tage V | Vorks a | nd Utilities |
| (6) | The existing, dedicated street fronting or gaining access to the proposed reconfigured lot is constructed to the specifications outlined in Planning Scheme Policy 3—General Works for the type of street classification fronting the proposed lot. | (6) | gain they Polie | ing acco are bas y 3—G | age works to an existing, dedicated street, fronting or ess to the proposed reconfigured lot are required, sed on the specifications outlined in Planning Scheme eneral Works and standards in Part 13—Local t Infrastructure Plan for trunk infrastructure. |
| (7) | Cost effective and environmentally sustainable utilities (including effluent treatment and disposal, water, electricity, gas and communication services) are provided to each lot. | (7) | (a) | (i) | sion is made for the— reticulation of water supply to each lot; |
| NOT | , . | | | (ii) | reticulation of sewerage to each lot. For Homestead or Township lots (including unsewered township |
| (1) | There is to be an adequate water supply for fire fighting purposes. | | | | commercial or industrial lots), measures to treat and |
| (2) | The layout of the reconfiguration will need to ensure sewerage feasibility, otherwise there may be a reduction in the area of the lot available for building construction. | | | <i>,</i> | dispose of effluent on-site in compliance with the Plumbing and Drainage Act 2002 and the Queensland Plumbing and Wastewater Code; |
| (3) | For Homestead or Township Lots (including unsewered township commercial or industrial lots) all sullage and septic waste water is to be capable of being treated and disposed of on-site without it entering any adjoining premises, stormwater system or watercourse and without ponding or causing a health nuisance. | | | (iii) (iv) | supply of electricity (and where applicable the supply of natural gas) to each lot; and supply of telecommunication services to each lot. |
| | | NOT | | . , | |
| | | faciliti comn | ies, w nunica | ater sup tion ser | n and construction of frontage works, sewerage ply mains and fixtures, electricity, gas and vices are in accordance with the requirements and ned in Planning Scheme Policy 3—General Works. |

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| | | Column 1 | | | | Column 2 | | |
|------|---------|--|--------|---|--|---|--|--|
| | | Specific Outcomes | | (b) | sufficient se | Probable Solutions works and utilities are to be in place or ecurity provided before the Plan of Subdivision d by the local government. | | |
| Stor | mwate | Drainage | Storr | nwate | Drainage | | | |
| (8) | All lot | s are located above the adopted flood level to provide ction of property in accordance with the accepted level of | (8) | (a) | Lots and D | Lots, Courtyard Lots, Traditional Lots, Hillside ual Occupancy Lots are located outside the od regulation line and urban catchment flow | | |
| | | | | (b) | suitable for of each lot regulation I additional a to treat and the Plumbir | tead or Township Lots, an area which is a building platform comprising at least 600m ² is to be located outside the adopted flood ine and urban catchment flow paths. Also, an area is to be available on each lot that is suitable dispose of effluent on-site in compliance with ng and Drainage Act 2002 and the Queensland ind Wastewater Code. | | |
| | | | | (c) | business ar | residential lots, commercial lots, mixed nd industry lots and industrial lots are located adopted flood level for the respective zone or | | |
| | | | NOT | E 12 | | | | |
| | | | (1) | (1) Those areas of residential lots below the adopted flood level for the applicable zone or Sub Area which are affected by a 'significant flood flow' are to be subject to a drainage easement | | | | |
| | | | | | ying stormw | rve may be required for any part of the land vater drainage flows to the lawful point of | | |
| (9) | Desig | n of the lot layout provides for— | (9) | (a) | Lot drainag | e is to be directed into the street drainage | | |
| | (a) | drainage which does not cause damage or nuisance flows to adjoining properties; | NOT | F 13 | system. | | | |
| | (b) | a drainage system that can be economically maintained; | (1) | NOTE 13 (1) Where site conditions do not permit lot drainage into the sti | | | | |
| | (c) | maximum use of on-site infiltration; | (.) | drainage system, lot drainage accords with the design criteria | | | | |
| | (d) | the safety and convenience of people using the site; and | | outlined in Planning Scheme Policy 3—General Works. | | | | |
| | (e) | for homestead lots or township lots, any dams are to be wholly located within lot boundaries. | (2) | (2) Where an Inter Lot Drainage System does not exist it may be necessary to obtain a lawful point of discharge by the acquisiti of stormwater drainage easements over one or more downstree properties. | | | | |
| | | | | (3) Alternatively, the Local Government may accept an undertak from the downstream owner to the applicant granting 'discha approval'. | | | | |
| | | | | (b) | any dam ar | tead lots or township lots, the high water level of nd the top and toe of all dam walls and ints are not to be closer than 2 metres to any lot | | |
| Fire | Fightin | g | Fire I | Fightir | g | | | |
| (10) | | are designed with adequate water supply and access for fire | (10) | Eith | r— | | | |
| | tighti | ng purposes. | | (a) | | nydrants are located no further than 80m apart n road reserves; and | | |
| | | | | | | wellings are able to be located within the fire iance access distances shown in Diagram A w; or | | |
| | | | | (b) | building en | velopes are created on new lots such that the velope meets the fire appliance access hown in Diagram A below; or | | |



| Column 1 | Column 2 |
|-------------------|---|
| Specific Outcomes | Probable Solutions |
| | (c) (i) the water supply service to a hatchet lot is sized for the provision of fire fighting flows via a hydrant and a metered bypass across a check valve in accordance with AS2419.1 and a fire hydrant and building envelope are provided to meet the fire appliance access distances shown in Diagram A below; and (ii) vehicular access to the lot is via— (A) a minimum 3 metre wide concrete driveway; (B) with a minimum 3 metres in horizontal clearance and 4.5 metres in vertical clearance; and (C) with a maximum gradient of 15%; or |
| | Diagram A |
| | Com Maximum Length of Hose Um Maximum Jet of Water Com Maximum Jet of Water Com Maximum |
| | (d) (i) where reticulated water supply is not available, a minimum water supply of 5000 litres (per dwelling) is permanently available on site for fire fighting purposes as either— |
| | (A) a separate onsite water tank; or (B) a reserve section in the bottom part of the main water supply tank; or |
| | a swimming pool installed immediately upon construction of the dwelling; or |
| | (D) a dam or lake; and |
| | (ii) where onsite water supply tanks are provided they are— (A) above ground and located adjacent to the building; |
| | (B) fitted with a 50mm outlet pipe and a 50mm male camlock coupling (standard rural fire brigade fitting) to allow fire hose connection; and |
| | (C) of precast concrete or steel construction and supported by a fireproof structure; and |
| | (iii) vehicular access to the lot is via— (A) a minimum 3 metre wide concrete driveway; |
| | (B) with a minimum 3 metres in horizontal clearance and 4.5 metres in vertical clearance; and |
| | (C) with a maximum gradient of 15%; or |
| | NOTE 14 (1) Hatchet lots should be generally avoided in Large Lot Residential areas (i.e. areas where the average lot size is 4000m² or greater) owing to the inherent difficulties associated with providing access to fire hydrants for fire fighting vehicles. (2) Dates then providing access up multiple batchet late it is preferable. |
| | (2) Rather than providing access via multiple hatchet lots it is preferable to extend the street network and the associated water mains and fire hydrants. |
| | (e) where there is no other prudent or feasible alternative, the submission of a written acknowledgement from the owner/applicant at the time of lodging a development application that the applicant/owner is aware of the issues in relation to fire fighting, with the ability to convey this information to subsequent purchasers. |



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Table 12.5.2: Specific Outcomes and Probable Solutions for Moderate and Major Subdivisions

| | | Column 1 Specific Outcomes | Column 2 Probable Solutions |
|------|--------------------------------|---|---|
| Resi | identia | I/Industrial Estate Design (MAJOR SUBDIVISIONS ONLY) | Residential/Industrial Estate Design |
| (1) | For | Major Subdivisions, the layout and design— | (1) There are no recommended probable solutions for this specific |
| | (a) | gives a residential neighbourhood or a commercial/industrial location a strong and positive identity, by responding to site characteristics, setting, landmarks, views and places of cultural significance and through clearly legible streets and streetscaping themes, and in the case of residential neighbourhoods, open space networks; | outcome as each situation requires an individual approach. |
| | (b) | provides a mix of lot sizes and enables a variety of housing types, commercial and industrial establishments and other compatible land uses; | |
| | (c) | distributes land uses so as to minimise infrastructure costs; | |
| | (d) | is to be cognisant of linear open spaces, and, in the case of residential neighbourhoods ensure they are located to define the boundaries of neighbourhoods and, where appropriate, provide community focal points; | |
| | (e) | reinforces residential neighbourhood identity by locating community, retail and commercial facilities at focal points within convenient walking distance for residents; | |
| | (f) | enhances for residential neighbourhoods personal safety and perceptions of safety, and minimise potential for crime, vandalism and fear through achievement of casual surveillance and, for commercial and industrial development, the layout enhances safety through the provision of alternative through routes (i.e. culs-de-sacs are avoided); | |
| | (g) | provides a pedestrian network that is safe, attractive and efficient, running largely along public spaces (including streets and open spaces) fronted by houses or other development and avoiding areas or uses with major breaks in surveillance; | |
| | (h) | provides well-distributed public open spaces that contribute to the legibility and character of the locality, provide for a range of uses and activities, are cost-effective to maintain, and contribute to stormwater management and environmental care; and | |
| | (i) | provides well located vehicle, cyclist and pedestrian networks that minimise local vehicle trips, maximise public transport effectiveness, and encourage walking and cycling to daily activities and to provide a recreation resource. | |
| NOT | Έ1 | | |
| 1) | Char 1998 | er to AMCORD Element 1.1 Neighbourhood Design and oter 7 'Development Concept Design' of Queensland Streets B Edition which provide a very concise and practical summary e concept design process for residential subdivisions. | |
| (2) | antic resid reco plan | applicants designing a residential lot layout where it is ipated or proposed that lots will be used for other than single lential uses (e.g. dual occupancy, multiple residential, etc) it is mmended that reference be made to the relevant use-specific ning scheme codes, which provide specific design measures criteria. | |

| | | Column 1 Specific Outcomes | | | Column 2 Probable Solutions |
|--------------|------------------|---|-------|-------|---|
| otla | avout a | and Design | Lot I | avout | and Design |
| <u>?)</u> | Lots (i dimen | including hatchet lots) have the appropriate layout, area and sions to— | (2) | (a) | The lot size, frontage and special characteristics for the different residential lot types are as outlined in Appendix A. |
| | (a) | enable the siting and construction of a dwelling and ancillary outbuildings, where for the purposes of residential use; | NOT | E 3 | |
| | (b) | enable the siting and construction of commercial or industrial buildings, where for the purposes of commercial or industrial | | | ecific density or special lot characteristic attribute ot size) refer to the applicable Zone Code. |
| | (c) | use; provide for landscaping, including private outdoor recreational space; | | (b) | The requirements for access easements for residenti lots are to be those applicable for hatchet lots [see Probable Solution (4) below]. |
| | (d) | provide convenient vehicle access and parking; | | (c) | The lot size, frontage and special characteristics for |
| | (e) | take into account the slope of the land, in particular the desirability of minimising earthworks/retaining walls associated with building construction; | | (d) | the different commercial and industrial lot types are a outlined in Appendix B. The requirements for access easements, for |
| | (f) | overcome site constraints (e.g. undermining, flooding, drainage, bushfire risk, buffers to incompatible land uses etc); | | (0) | commercial or industrial lots, although undesirable, are to be those applicable for hatchet lots [see Probable Solution (4) below]. |
| | (g) | conserve natural, cultural or special features (e.g. trees, buildings, views etc); | | | |
| | (h) | provide within residential areas housing diversity and choice and within commercial/industrial areas a variety of choice for the different commercial and industrial development types; | | | |
| | (i) | avoid large concentrations of cottage lots and courtyard lots in the Low Density Residential Zones or Sub Areas; | | | |
| | (j) | ensure that cottage lots, courtyard lots, dual occupancy lots and multiple residential lots are located in close proximity to parks, shops, employment areas or community facilities; | | | |
| | (k) | enable lot frontages to be oriented towards the street and open spaces to facilitate personal safety, property security and casual surveillance of footpaths and public open space areas; | | | |
| | (I) | ensure vehicular access from a rear lane where a residential lot has a frontage dimension of less than 9m; | | | |
| | (m) | facilitate, within residential areas (via street and lot orientation), the siting of dwellings to take advantage of microclimatic benefits and to allow adequate on-site solar access and access to breezes taking into account likely dwelling size and the relationship of each lot to the street; | | | |
| | (n) | integrate with the surrounding urban environment, and in particular complement existing streetscapes and landscapes and, where possible in residential areas, provide connectivity to facilitate shared use of public facilities by adjoining communities; | | | |
| | (0) | facilitate the integration of commercial and industrial development into its surroundings ensuring minimal impact on the amenity of adjacent or nearby areas; | | | |
| | (p) | ensure that the layout of commercial or industrial development abutting areas of residential development allows lots to be configured for the siting and design of development that can incorporate visual, noise pollution and other ameliorative measures, in order to reduce impacts on nearby residential amenity. | | | |
| IOTI he a | | a hatchet lot is not to include reference to the access strip | | | |

Mr. Car

Ipswich Planning Scheme

| | | Column 1 | | | | Column 2 | | |
|-----|---------------------|---|---------|--------------------|--|---|--|--|
| | | Specific Outcomes | | Probable Solutions | | | | |
| (3) | | econfiguration of land may produce one or more hatchet lots, | | | a) The following apply in respect of residential lots— | | | |
| | provi (a) (b) | ided— it is not likely to prejudice the subsequent reconfiguration or use of adjoining land; it is not desirable nor practicable for the subject and adjoining land to be otherwise reconfigured so as to have a frontage to another road which may be subsequently | I | | (i) (ii) | any lot having a common boundary with an access strip of a hatchet lot is to have a width of 20m at any point throughout its depth or is capable of providing an area containing a rectangle (suitable for building purposes) measuring 9m by 15m; hatchet lots are not used for multiple residential use; | | |
| | | constructed; | | | () | and | | |
| | (c) | the siting of buildings on a proposed hatchet lot will not be detrimental to the amenity of the area; | | | (iii) | the proposed lot will have no greater than five (5) adjoining neighbours. | | |
| | (d) | existing development of land in the area will not have a detrimental effect on buildings to be sited on the proposed hatchet lots; and | | (b) | lots | e following apply in respect of commercial or industrial | | |
| | (e) | there is no reasonable alternative to the hatchet lot having regard to the sites's topography, access, location, shape and size. | | | (i) | any lot having a common boundary with an access strip of a hatchet lot is to have a width of 25m at any point throughout its depth or is capable of providing an area containing a rectangle (suitable for building purposes) measuring 14m by 28m; | | |
| | | | | | (ii) | hatchet lots are not used for commercial or industrial uses. | | |
| NOT | E 4 | | | | | | | |
| (2) | Unles | ape, residential hatchet lots are 'the exception rather than the ss required by specific site conditions in respect of topograph nercial or industrial uses as they accentuate parking problem t. | y, parc | cel siz | | | | |
| (4) | | het lots— | (4) | (a) | | number of hatchet lots is generally limited to one (1) | | |
| | (a) | do not dominate or intrude within the existing subdivision pattern; | | (b) | The a | d any full frontage lot. access strip is located on only one (1) side of a lot with | | |
| | (b) | provide an access strip capable of accommodating adequate vehicular access and utility services; and | | (α) | | frontage to the street. hape of the access strip (including the construction of the | | |
| | (c) | provide an access strip which does not unduly affect or restrict on-street parking. | | (c) | drive | way) for a residential or commercial lot enables a single ruck to enter and leave the lot in forward gear. | | |
| | | | | (d) | drive | hape of the access strip (including the construction of the way) for an industrial use enables a semi-trailer to enter eave the lot in forward gear. | | |
| | | | | (e) | The r | ninimum width of the access strip is as follows— | | |
| | | | | | (i) | Traditional Lots – 4m ⁽³⁾ ; | | |
| | | | | | (ii) | Hillside, Homestead or Township Lots – 5m(3); | | |
| | | | | | (iii) | Dual Occupancy Dwelling Lots – 5m ⁽⁴⁾ . | | |
| | | | NOT | E 5 | | | | |
| | | | (1) | | | avoidable, the width of the access strip for a multiple I, commercial or industrial lot is as follows— | | |
| | | | | (a) | Mult | iple Residential Lots – 7m(4); | | |
| | | | | (b) | Com | imercial Lots – 7m ⁽³⁾ ; | | |
| | | | | (c) | Mixe | ed Business and Industry Lots – 9m ⁽³⁾ ; | | |
| | | | | (d) | | stry Lots – 11m ⁽³⁾ . | | |
| | | | (2) | mu | st be o | the recommended minimum width of the access strip, it f sufficient width to accommodate a driveway, utility and the provision of landscaping. | | |

³ Where two (2) hatchet lots are proposed, the combined access strip is to be increased by 1 metre for residential lots or 2 metres for commercial or industrial lots to allow for the provision of utility services, driveway construction and other matters, provided reciprocal easement rights are used.

⁴ The access strip is to remain in common property. Owing to the number of dwelling units involved, reciprocal easement rights are unsuitable for this type of lot.



| | Column 1 | Column 2 | | | | | | |
|-----|--|---|---|--|--|--|--|--|
| | Specific Outcomes | Probable Solutions | | | | | | |
| | | (3) | In the case of telecommunications and electricity services, these services are to be via underground cable for the full length of the | | | | | |
| | | | access strip. | | | | | |
| | | (| f) The type of reciprocal easements comply with the requirements shown in Diagram A, below. | | | | | |
| | | | DIAGRAM A | | | | | |
| | | | | | | | | |
| | | | Road Road | | | | | |
| | | | In this case the easement is for access purposes with each lot a combination of access having its own area for utility purposes, utility services and other matters. | | | | | |
| | | (| g) For residential lots, the minimum width of the constructed driveway in the access strip is three (3) metres. | | | | | |
| | | (| The driveway is to be constructed from the kerb for the full length of the access strip. | | | | | |
| | | NOTE | 6 | | | | | |
| | | acces | e unavoidable, the minimum width of the constructed driveway in the s strip (which is to be constructed from the kerb for the full length of excess strip) for multiple residential, commercial or industrial lots is as s_{-} | | | | | |
| | | (a) | multiple residential purposes - 5.5 metres; | | | | | |
| | | (b) | commercial lots – 6 metres; | | | | | |
| | | (c) | industrial lots – 7 metres. | | | | | |
| | | (1 | For residential lots, other than homestead or township lots, a drainage system is provided so that no part of the driveway is below the adopted flood level. | | | | | |
| | | (| For homestead or township lots no part of the driveway is below the adopted flood level. | | | | | |
| | | NOTI | Ξ7 | | | | | |
| | | | e unavoidable, for commercial or industrial lots, a drainage system is ded so that no part of the driveway is below the adopted flood level. | | | | | |
| | | NOT | E 7A | | | | | |
| | | Particular regard should also be given to the Fire Fighting Provisions contained in Clause (32) Table 12.5.2. | | | | | | |
| Des | gnated Roads | Desig | nated Roads | | | | | |
| (5) | For major subdivisions, the road network has a clear structure and component roads conform to their function in the system. | (5) | Roads link with other roads that are no more than one level higher or lower in the hierarchy. | | | | | |
| (6) | For major subdivisions, the road system is located so that it provides routes which are more convenient for external traffic | (6) | The road network is generally located as outlined in Map 4a and Map 4b of Schedule 7. | | | | | |
| | than the residential or commercial/industrial street network. | NOTI | E 8 | | | | | |
| | | (1) | Refer to Map 4a and Map 4b of Schedule 7 for the general location of Designated Roads (both existing and future). | | | | | |
| | | (2) | Where a Designated Road traverses a development site, refer to the locational design requirements of Section 6 'The Road System' of Queensland Streets 1998 Edition to ensure that the most satisfactory location is obtained in respect of both planning and engineering requirements. | | | | | |



| | Column 1 Specific Outcomes | Column 2 Probable Solutions | | | | |
|-------|---|--------------------------------|--|--|--|--|
| | | (3) | syste infra | re a developer provides land for the purpose of the road em or constructs trunk roadworks infrastructure, an structure credit (offset) is to apply as outlined in the Ipswich oted Infrastructure Charges Resolution. | | |
| (7) | For major subdivisions, the road system has the capability to accommodate public transport services and has capacity to safely and efficiently accommodate projected movements. | (7) | The Designated Road system is provided as outlined in Map 4a and Map 4b of Schedule 7. | | | |
| (8) | For major subdivisions, the road network is provided in a manner where it complements the street network, public transport, pedestrians and cycleways. | (8) | Plan | re a Land Use Concept Master Plan, Town Centre Concept or other approved Plan of Development exists, the road ork conforms with this plan. | | |
| (9) | For major subdivisions, safe and convenient links are provided for pedestrians and cyclists across Designated Roads. | (9) | Pedestrian and cyclist crossings of Designated Roads adjacent to residential and industrial areas are provided at intervals of not less than 500m and for commercial areas at intervals of not less than 200m in locations related to movement desire lines. | | | |
| (10) | Intersections are located to provide safe and efficient connection and traffic interface between the street network and | (10) | | ocation of intersections to Designated Roads is in accordance he following Austroad publication— | | |
| | Designated Roads. | | "Gui | de to Traffic Engineering Practice" | | |
| | | | (a) | Part 5 Intersections at Grade; | | |
| | | | (b) | Part 6 Roundabouts; | | |
| | | | (c) | Part 7 Traffic Signals. | | |
| (11) | Access arrangements do not impede the traffic performance of Designated Roads. | (11) | (a) | Residential lots do not have direct vehicle access to the road system unless there are no suitable access alternatives (provided by the street system), in which case vehicle access onto the Designated Road is capable of being made in a forward direction. | | |
| | | NOT | <u> </u> | | | |
| | | See e acces | | t 5.13 of AMCORD for possible means of achieving vehicle | | |
| | | | (b) | Any vehicle access for a residential lot is limited to one (1) point only (where direct access to the Designated Road is unavoidable). | | |
| | | | (c) | Commercial or industrial lots do not have direct vehicle access to the road system unless there are no suitable access alternatives (provided by the street system), in which case vehicle access onto the Designated Road must be capable of being made in a forward direction using a left turn only. | | |
| | | | (d) | Any vehicle access is sited to obtain the maximum visibility (i.e. sightlines). | | |
| | | NOT | | | | |
| | | syste | For neighbourhood and district shopping centres access from the system to the parking area may be permitted at specifically desig access points. | | | |
| (11A) | Road networks in areas within 6km of the RAAF Base Amberley runway do not include configurations of lights that replicate the appearance of airport runways at night. | (11A) | para | d networks do not include configurations of lights in straight llel lines 500m – 1000m long in areas within 6km of the RAAF Amberley runway. | | |



m line

| | Column 1 Specific Outcomes | | | Column 2 | | | |
|-------|-------------------------------|---|-------|--|---|--|--|
| | | Specific Outcomes | | | Probable Solutions | | |
| (12) | Resid | dential premises are— | (12) | There are no recommended probable solutions for this specific outcome as each situation requires an individual | | | |
| | (a) | not exposed to unacceptable traffic noise5; or | | approach. | | | |
| | (b) | able to be designed and constructed to ensure that acceptable living conditions within the dwelling can be created. | | | | | |
| NOTE | E 11 | | | | | | |
| (1) | the n | predicted road traffic noise at a residential building exceeds oise criterion, acoustic barriers are the initial preferred option pise amelioration of a State controlled road. | | | | | |
| (2) | after treati | predicted road traffic noise still exceeds the noise criterion the noise barriers have been designed for maximum effect, a ment option is to incorporate noise control measures into the ing design to ameliorate road traffic noise to the interior of the lings. | | | | | |
| Stree | t Netw | vorks and Design | Stree | t Netv | works and Design | | |
| (13) | For r | najor subdivisions, the street network is to— | (13) | W | here a Land Use Concept Master Plan, Town Centre | | |
| | (a) | for residential development, meet local needs and allow for the provision of public transport, for pedestrians and cyclists, and for expected vehicle traffic; | | | oncept Plan or other approved Plan of Development exists, e road network conforms with this plan. | | |
| | (b) | for commercial and industrial development, provide for the mixed functions of moving traffic, vehicles accessing lots and parked vehicles whilst allowing for the provision of public transport, for pedestrians and cyclists, and for expected vehicle traffic (including heavy vehicles). | | | | | |
| (14) | Desi | major subdivisions, the street network connects with gnated Roads to maximise movement efficiency on the main c routes, whilst at the same time minimising internal traffic nes. | (14) | (a) | Intersections between Designated Roads and the internal street network are located so as to minimise restriction of movement on the Designated Roads, and to avoid traffic volumes in excess of 12,000 vpd on industrial avenues, 10,000 vpd on major collector streets, 5,000 vpd on internal connecting roads and 3,000 vpd on collector streets. | | |
| | | | | (b) | For residential development, connections between residential streets and the road system are in accordance with the requirements of Section 3.3 'The Street/Road Interface' of Queensland Streets 1998 Edition. | | |
| | | | | (c) | For commercial and industrial development, intersection spacings between commercial/ industrial streets and the road system are in accordance with Table 3.3A of Section 3.3 'The Street/Road Interface' of Queensland Streets 1998 Edition. | | |
| (15) | | street network has a clear structure and component streets orm to their function in the network. | (15) | | ets link with other streets that are no more than one level er in the hierarchy. | | |
| (16) | betwe conve | ayout of the street network has clear physical distinctions een each type of street, based on function, economy, enience, traffic volumes, vehicle speeds, public safety, amenity n the case of commercial or industrial development, parking ind. | (16) | | street network reflects the characteristics outlined in endix C. | | |

⁵ Refer to Department of Transport and Main Roads, Code of Practice Road Traffic Noise, for the road traffic noise criteria.

| | | | Column 1 | | Column 2 |
|------|------|-----------------|---|-----------|---|
| | | | Specific Outcomes | | Probable Solutions |
| NOT | E 12 | | | | |
| (1) | For | major | subdivisions, incorporating multiple residential uses, the | street n | etwork is to be considered under two scenarios, namely— |
| | (a) | (i) | Where multiple residential uses are 'dispersed' within re- development using a generation rate of 6.5 trips per dwe | | areas, they are to be treated as standard residential |
| | | (ii) | Preferably such uses will be located adjacent to the Roa residential areas). | d or Ma | jor Collector Street system (i.e. 'downstream' of the conventional |
| | | (iii) | Multiple residential uses may have direct access to Majo sound attenuation measures. | r Collec | tor Streets, subject to appropriate detailed design of access and |
| | (b) | facili | | | er density localities (e.g. adjacent to major public transport esidential uses (i.e. Section 10 of Queensland Streets 1998 |
| (2) | 1998 | Editio | | to be us | hence the swale drain option as outlined in Queensland Streets ed to typify the 'Traffic Route' status of the road system. (On so the swale drain option may be utilised.) |
| (3) | | | tuations the local government may require the street syste so that it is capable of serving other land within the vicinity | | n a development to be upgraded in hierarchy or relocated or development. |
| (4) | | | ses, the specific location of the street is to be a major cons location is obtained in respect of both planning and engin | | |
| (5) | indu | strial co | | es in the | f an industrial collector or major collector street or constructs the e vicinity, the developer is entitled to infrastructure credit (offset) |
| (17) | | viour a | features of each type of street encourage driver opropriate to the primary function of the street in the | (17) | There are no recommended Probable Solutions for this specific outcome as each situation requires an individual approach. |
| (18) | | ection ments | s are spaced to create safe and convenient vehicle | (18) | Intersections are spaced in accordance with Section 2.11 'Intersections' of Queensland Streets 1998 Edition. |
| | | | | NOTE | 13 |
| | | | | (1) | Driveway access points should not be provided on roundabout/channelisation approaches and this matter should be addressed as part of the detailed design process. |
| | | | | (2) | The minimum truncation distance of the real property boundary at an intersection between the following street types is to be— |
| | | | | | Access Place to Access Street 3.5 m |
| | | | | | Access Place/Access Street to Collector Street 4.0 m |
| | | | | | Access Street/Collector Street to Major Collector Street 6.0 m |
| | | | | | Collector/Major Collector Streets to Designated Roads (major subdivisions only) 8.0m |
| | | | | | Local Industrial Street to Local Industrial Street 8.0 m |
| | | | | | Local Industrial Street to Industrial Collector 8.0 m |
| | | | | | Industrial Collector to Designated Road (major subdivision only) 10.0m |
| | | | | (3) | Where the intersection angle is other than 90 degrees, the truncation is to be by a chord or chords to a circle of radius equal to the above truncation lengths. |
| | | | | (4) | Where the intersection is constructed as a roundabout, the truncation is to be the area required to accommodate the relevant roundabout template as outlined in the Standard Drawings forming part of Planning Scheme Policy 3—General Works. |
| | | | | (5) | The area truncated is to be dedicated as road reserve free of cost to, or compensation by, the local government. |



| | | Column 1 Specific Outcomes | | Column 2 Probable Solutions | | | | |
|------|--------------|--|------|--|---|--|--|--|
| (19) | (a) | treet network provides— convenient movement for residents between their homes and Designated Roads; and | (19) | (a) | For residential development, the driving distance from any dwelling to a Designated Road or Major Collector Street is no more than 700 metres (or 2,000 metres for 'Large Lot' Residential Development). | | | |
| | (b) | for commercial or industrial development, convenient movement for vehicles (including heavy vehicles). | | (b) | No more than three intersections are required to be negotiated in order to travel from any home to the most convenient collector street or Designated Road. | | | |
| | | | | (c) | All precincts of more than 100 lots/dwellings are provided with an alternative street access. | | | |
| | | | NOTE | E 14 | | | | |
| | | | | h 'Busł acces | nfire Risk Areas' all lots are provided with an alternative ss. | | | |
| | | | | (d) | For industrial development, the subdivision layout should use culs-de-sac only when unavoidable. | | | |
| | | | | (e) | For both residential and industrial development the cul- de-sac length should be as short as possible and the turning area should provide for a single movement turn (refer to Section 9.12 'Turning Areas' of Queensland Streets 1998 Edition) based on the typical manoeuvring areas for Council's design garbage truck. | | | |
| | | | NOTE | E 15 | | | | |
| | | | (1) | num avera | cul-de-sac design should, where possible, maximise the ber of lots with regular road frontages (i.e. standard or age widths parallel to the street frontage rather than bw or angled frontages). | | | |
| | | | (2) | (2) The turning area is to be capable of accommodating mos vehicles with a single movement turn based on a minimu turning circle of a minimum 9m radius. | | | | |
| | | | (3) | Circular turning heads are preferred and "T" and "Y" shaped turning heads are generally not to be used. | | | | |
| | | | (4) | cul-de | rally a pathway should be provided at the end of every e-sac to connect to the open space system, pedestrian or t network or the Designated Road system. | | | |
| | | | (5) | provi stree | nimum length of kerb frontage is required for each lot to de for on-street parking unless alternative provision for on- t parking is made (e.g. parking bays in cul-de-sac heads nted parking, centre parking etc). | | | |
| (20) | For i (a) | najor subdivisions— There is provision for bus routes which are direct and safely | (20) | (a) | Where a Land Use Concept Master Plan, Town Centre Concept Plan or other Plan of Development exists, | | | |
| | () | accessible by foot from all dwellings, activity centres, commercial centres or industrial estates and which provide links with external areas and are efficient to operate. | | (b) | public transport routes conform with that plan. At least 90% of dwellings or businesses are within 400m walking distance from an existing or potential bus route | | | |
| | (b) | Streets carrying bus routes provide for ease of movement of buses between residential neighbourhoods and for links to centres within and external to the neighbourhood without | | | (or 500m walking distance of a bus stop where identified), or 200m walking distance from an existing or proposed demand-responsive public transport route. | | | |
| | (c) | complicated turning manoeuvres. The alignment of the streets that form the bus route allow for efficient and unimpeded movement of buses without facilitating high traffic speeds. | | (c) | Where bus routes link residential neighbourhoods or employment areas across any road or street which carries in excess of 6,000 vpd, the intersection is designed as a roundabout/traffic signals or enables a left turn into the road from one painbhourhood followed by a | | | |
| | (d) | The street network offers opportunities for cost-effective operation of demand-responsive public transport services should the need arise, providing for both peak and off-peak regular services and the potential future provision of demand-responsive services. | | | turn into the road from one neighbourhood followed by a right turn from the road into the adjoining residential neighbourhood. | | | |
| | | | | (d) | Bus routes linking residential areas with employment areas are designed as a transit only link to prevent use of the link by through traffic. | | | |



12-26

| | | | Column 1 | | | | Column 2 | |
|------|---|---|--|--------------------|--------|-------------------------|--|--|
| | Specific Outcomes | | | Probable Solutions | | | | |
| | (e) | Bus : (i) | stops are located— to provide for pedestrian safety, security, comfort and convenience; | | (e) | | streets within residential areas, routes for regular services comply with the following standards for bus es— | |
| | | (ii) | to be able to be overlooked from nearby buildings; | | | (i) | Street Carriageway Widths | |
| | | (iii) | to be in keeping with the character of the locality; and | | | | Two-Way: 7.50m | |
| | | (iv) | for residential development, to minimise adverse | | | (ii) | Minimum Geometric Layout | |
| | | () | impact on the amenity of nearby dwellings. | | | | R12.5m for Single Bus Unit | |
| NOTE | 16 | | | NOTE | 17 | | | |
| (1) | | work o unt of- | of public transport routes should be provided that takes | Some | routes | s may (iii) | require geometry to suit an articulated bus. Roundabouts | |
| | (a) | proje | cted travel demand; | | | (111) | Maximum Desirable Pavement Crossfall: 3% | |
| | (b) | distri | bution of likely demand; | | | | Maximum Desirable Gradient: 6% | |
| | (c) | scale | and time of demand; | | (f) | Bus | stops for regular peak services are, or are projected | |
| | (d) | chara | acteristics of travellers; | | (.) | to be | e, at 300m spacings where the route serves | |
| | (e) | trave | I time; | | | | lential uses, 200m spacings where the route serves mercial uses and 500m spacings where the route | |
| | (f) | opera | ating characteristics; | | | | es industrial uses. | |
| | (g) | cost | of providing the service; | | (g) | The | siting of bus stops is, where possible, coincident to | |
| | (h) | route | location and design. | | | the p | pedestrian path network. | |
| (2) | Subd the 'S (the d | ivision Shapin Io's ar | tial lot reconfigurations, section 3.5 'New Residential s' and section 3.6 'Medium Density Developments' of g Up' guidelines provide some practicable applications id don'ts) for encouraging a more public transport focus esidential environment. | | | | | |
| (3) | 'Busi Trans Intero 'Shap do's a | ness a sport li change bing Uj | rcial and industrial lot reconfigurations, section 3.2 nd Activity Centres', section 3.3 'Existing Public nterchanges', section 3.4 'New Public Transport es' and section 3.7 'Business Centre Intersections' of the o' guidelines provide some practicable applications (the in'ts) for encouraging a public transport focus at these tres. | | | | | |
| (21) | (a) | resid enco | street layout facilitates walking and cycling within the ential neighbourhood and to activity centres without uraging external traffic into the residential bourhood. | (21) | (a) | locat Activ Strat | major subdivisions, the cycleway network is ted and provided as outlined in the Ipswich iGO ve Transport Action Plan or Ipswich Public Parks tegy or where an approved Land Use Concept | |
| | (b) | | street and path network provides an overall network of | | | | ter Plan or Town Centre Concept Plan or other Plan evelopment exists, pedestrian/cyclist paths. | |
| | | | strian routes and routes for cyclists, with connections to ning streets, open spaces, neighbouring residential | NOTE | 18 | | | |
| | | | s and activity centres. | | | | al street link should be provided between an | |
| | (c) | | ocation of paths is aligned to conserve trees and other ficant features and where they exist, focus on vistas and | | | | al area and an industrial estate/major commercial bathway only link is to be provided. | |
| | | | narks whilst ensuring safe and convenient use by strians and cyclists. | | (b) | | paths and cyclepaths are provided as specified in endices D, E, F and G. | |
| | (d) | | estrian paths and cycleways are located where there is al surveillance and potential for the areas to be well lit. | | (c) | Foot | paths in culs-de-sac are to extend around the full nt of the cul-de-sac head and comply with the | |
| | (e) | | strian, cycle and vehicular movement systems are co- ed to encourage maximum surveillance of public areas. | | | | irements shown in Diagram A, below. | |



| | | Column 1 | | Column 2 |
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| | | Specific Outcomes | | Probable Solutions |
| NOT | E 19 (F | OR MAJOR SUBDIVISIONS ONLY) | | Diagram A |
| (1) | A network of pedestrian ways and cycle routes is provided having regard to— (a) the need to encourage walking and cycling; (b) likely upper (a g opheral shildren percents with prome the | | | |
| | (b) | likely users (e.g. school children, parents with prams, the aged, people with disabilities, commuters and recreational cyclists); | Str | |
| | (c) | opportunities to link open space networks and community facilities, public transport stations/stops, local activity centres, schools and neighbourhood areas; | Street | Cul-de-sac |
| | (d) | topography; | | |
| | (e) | cyclist and pedestrian safety, in particular whether there is any casual surveillance/passing traffic adjacent to the pathway; and | | Not to Scale |
| | (f) | cost effective provision. | | Lots Footpaths Curb Ramps Roadways |
| (2) | Subc the 'S (the o orien | esidential lot reconfigurations, section 3.5 'New Residential livisions' and section 3.6 'Medium Density Developments' of Shaping Up' guidelines provide some practicable applications do's and don'ts) for encouraging a pedestrian and cycling ted environment. | | (d) For residential development, pedestrian/cyclist connections are provided between the ends of culs-de- sac, from streets to open space areas, or from streets to |
| (3) | 'Busi Intere section guide don't | commercial and industrial lot reconfigurations, section 3.2 ness Activity Centres', section 3.3 'Existing Public Transport changes', section 3.4 'New Public Transport Interchanges' and on 3.7 'Business Centre Intersections' of the 'Shaping Up' elines provide some practicable applications (the do's and s) for encouraging a pedestrian and cycling focus at these | | Designated Roads (refer section 4.5 of Queensland Streets 1998 Edition). (e) For commercial or industrial development pedestrian/cyclist connections are provided from local industrial streets to industrial collectors, to residential streets or to Designated Roads. |
| | activ | ity centres. | NOTE | 20 |
| | | | (1) | Pathway connections are to be concrete paved (full width of reserve) and suitably drained and may incorporate overland drainage flow corridors. |
| | | | (2) | The construction of footpaths, cycleways or dual use paths should be delayed until all utilities have been installed. |
| (22) | The s | treet layout and design— | (22) | There are no recommended probable solutions for this |
| | (a) | takes account of the topography (especially steep land) and significant vegetation; | | specific outcome as each situation requires an individual approach. |
| | (b) | avoids steep slopes (i.e. greater than 15%) so as to minimise landscape disturbance and vegetation loss; | | |
| | (c) | avoids penetrating and fragmenting large tracts of remnant vegetation; | | |
| | (d) | respects and protects places of cultural significance or streetscape value; | | |
| | (e) | takes advantage of opportunities for views and vistas; | | |
| | (f) | takes account of streetscapes that may be created or that already exist; | | |
| | (g) | permits the establishment of streetscapes that blend with existing streetscapes or comply with any approved public streetscape plan; | | |

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| | | Column 1 Specific Outcomes | Column 2 Probable Solutions |
| NOT | E 21 | | |
| The | street | scape is to achieve— | |
| (a) | | reation of attractive residential, commercial or industrial streetscape onments with clear character and identity; | |
| (b) | respe | ect for existing attractive streetscapes in established areas; | |
| (c) | | opriate streetscapes in areas where desired future character has defined; | |
| (d) | and re | sion for appropriate street tree planting taking into account the image ole of the street, the environmental values of the local area, solar ss requirements, soils, selection of appropriate species, and services; | |
| (e) | | of such features of the site as views, vistas, existing vegetation, narks and places of cultural heritage significance. | |
| | (h) | where practical, is orientated to promote efficient solar access for dwellings; | |
| | (i) | takes account of natural drainage and open space systems; | |
| | (j) | avoids crossing drainage features or open space areas, particularly for access places and access streets; | |
| | (k) | is located, designed and managed to enhance the habitat and corridor requirements of native wildlife (plants and animals); | |
| | (I) | locates the streets to the least environmentally sensitive sites; | |
| | (m) |) avoids extensive use of cut and fill; | |
| | (n) | avoids important stands of vegetation to minimise the loss of important trees or ecosystems; | |
| | (0) | maintains interlocking tree canopies over fauna corridors, where possible, to allow for the movement of arboreal fauna and birds; | |
| | (p) | narrows the width of the carriageway or provides a wildlife underpass/bridge where it crosses wildlife movement corridors, such as riparian zones; | |
| | (q) | at known wildlife crossing points, streets are narrowed and appropriate pavement surfacing, lighting, signage and fencing are provided to reflect the low-speed environment; | |
| | (r) | provides a high level of internal accessibility and good external connections for vehicles (including heavy vehicles in commercial and industrial areas), pedestrian and cycle movements, maintains appropriate traffic speeds, deters through-traffic, creates safe conditions for road users and for major subdivisions, limit the length of time local drivers need to spend in a low-speed environment; | |
| | (s) | for residential development, traffic speeds and volumes are restrained through such measures as— | |
| | | (i) limiting street length; | |
| | | (ii) introducing bends; | |
| | | (iii) introducing slow points; and | |
| | Г. ОО | (iv) intersections; | |
| | E 22 | une und to limit to ffic and and a but | |
| | | ures used to limit traffic speeds and volumes— | |
| (a) | by l | e into account the needs of street users and convenience of access local residents (including not requiring local traffic to negotiate necessary complicated routes); | |
| (b) | dwe | oid stop-start conditions, unacceptable traffic noise to adjoining ellings and devices which reduce the convenience or safety levels for clists and pedestrians. | |



| | Column 1 | Column 2 |
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| | Specific Outcomes | Probable Solutions |
| | (t) for major subdivisions, ensure that traffic generated by a development is within the acceptable environmental capacity of the street network; | |
| | (u) ensures that where within or abutting bushfire risk areas streets are designed, located and connected to allow safe and efficient movement of fire emergency vehicles; and | |
| | (v) provides for the cost effective provision of public utilities, including water, sewerage, electricity, telecommunications and gas. | |
| (22A) | Street networks in areas within 6km of the RAAF Base Amberley runway do not include configurations of light that replicate the appearance of airport runways at night. | (22A) Street networks do not include configurations of light in straight parallel lines 500m – 1000m long, in areas within 6km of the RAAF Base Amberley runway. |
| (22B) | Recessed landscaped areas are to be provided at regular intervals to soften the visual impact of long portions of | (22B) (a) Where fences are >50m in length, landscaped recesses are to be provided. |
| | acoustic or screen fencing along a street or road. | (b) These are to be a minimum of 1.5m deep, and comprise 10% of the total length of the fence. |
| (22C) | Where a secondary frontage is located along a road with no vehicular or pedestrian access and an acoustic fence or | (22C) (a) Low maintenance plantings are provided to improve visual amenity and discourage vandalism. |
| | barrier is to be provided, the fence or barrier is screened by low maintenance landscaping in the road reserve. | (b) High maintenance plantings or turf are avoided. |
| NOTI | 23 | |
| (a) | The type, location and management of plantings must promote public safety by avoiding concealment areas and optimising informal surveillance. | |
| (b) | For further information relating to low maintenance plantings refer to the lpswich Streetscape Design Guideline. | |
| (22D) | Where a secondary frontage is to a road with no vehicular access and an acoustic fence or barrier is not required, the secondary frontage has fences which are designed to – | (22D) (a) Landscaping in the road reserve includes turf or low maintenance plantings; and (b) A pedestrian gateway to and from the external road network to |
| | (a) enable appropriate pedestrian access from the secondary frontage; | each lot is provided; and |
| | (b) provide visual interest and appeal through form, | (c) Fences have a maximum height of—(i) 1.2m high if of solid appearance; or |
| | articulation or detailing and landscaping; and(c) facilitate appropriate maintenance of the road reserve. | (ii) 1.8m high if the fence has openings or materials which make it not less than 30% transparent; or |
| NOT | 24 | (iii) 1.8m high if the fence has a solid appearance to 1.2m high |
| (a) | Plantings and landscaping must promote public safety by avoiding concealment areas and optimising informal surveillance. | and comprises a transparent element to 600mm (50% transparent solid to openings) for the top portion of the fence as shown in Diagram B. |
| (b) | For further information relating to low maintenance plantings | DIAGRAM B |
| | refer to the Ipswich Streetscape Design Guideline. | 1.8m |

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| Column 1 Specific Outcomes | Column 2 Probable Solutions |
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| (22E) Where a secondary frontage is to a road with no vehicular access and where topography or the gradient | (22E) (a) The road reserve incorporates low maintenance plantings only and high maintenance plantings or turf is avoided; |
| makes maintenance of and access to the secondary frontage difficult to achieve, fences, walls and landscaping are designed to- | (b) The footpath may be sited at the back of the kerb as shown in Diagram C, below; and |
| (a) provide visual interest and appeal through form, | (c) Fences have a maximum height of— |
| articulation or detailing; | (i) 1.2m high if of solid appearance; or |
| (b) reduce the need for maintenance of the road reserve by providing low maintenance landscaping is the acad management | (ii) 1.8m high if the fence has openings or materials which make it not less than 30% transparent; or |
| in the road reserve; (c) provide for casual surveillance of the road. | (iii) 1.8m high if the fence has a solid appearance to 1.2m high and comprises a transparent element to 600mm (50% transparent solid to openings) for the top portion of the fence as shown in Diagram D. |
| NOTE 25 | |
| Plantings and landscaping must promote public safety by avoiding concealment areas and optimising informal surveillance. | DIAGRAM C |
| (b) For further information relating to low maintenance plantings refer to the Ipswich Streetscape Design | |
| Guideline. | Footpath |
| | Planting Road |
| | Footpath |
| | DIAGRAM D |
| | 1.8m 1.8m 1.8m 1.8m 1.2m (solid appearance) |
| (23) Streets and lots are located so that dwellings are not subject to unacceptable levels of traffic noise. | (23) (a) Traffic noise in residential streets does not exceed 55 dB(A) L10 at the affected facade of dwellings. |
| | (b) For 'Large Lot' Residential Development, acceptable noise levels at potential house sites is achieved in accordance with Table 8.5A of Section 8 'Rural Residential Streets' of Queensland Streets 1998 Edition. |
| (24) The design of each type of street conveys the street's primary function and the street reserve width | (24) (a) The following street components for each type of street are as specified in Appendices D, E, F and G— |
| is sufficient to cater for all street functions, including— | (i) carriageway widths; |
| (a) safe and efficient movement of all users, | (ii) verge widths; |
| including pedestrians and cyclists; | (iii) street reserve widths; |
| (b) provision for parked vehicles; | (iv) parking within the street reserve; |
| (c) provision of landscaping; and | (v) provision for parking lanes; |
| (d) location, construction and maintenance of public | (vi) kerb type; |
| utilities. | (vii) pedestrian and cyclist facilities; |
| | (viii) longitudinal gradients. |



| Column 1 Specific Outcomes | | | | | | Column 2 Probable Solutions | | | | |
|-------------------------------|--------------|-----------------------|--|------|---|---|--|--|--|--|
| | | | | NOT | NOTE 26 | | | | | |
| | | | | (1) | The and spec base 3—G Gove | Local Government will determine those design features street components, based on the street components ified in Appendices D, E, F and G with frontage works ed on the specifications outlined in Planning Scheme Policy seneral Works and standards in Part 13—Local ernment Infrastructure Plan for trunk infrastructure, that are oply where— | | | | |
| | | | | | (a) | an existing, dedicated street, fronting or gaining access to the proposed reconfigured lot is required; or | | | | |
| | | | | | (b) | a new street is proposed to be constructed along the common boundary of land in two or more ownerships. | | | | |
| | | | | (2) | allow carri | verge width may need to be increased when required to v space for larger-scale landscaping, utility services, future ageway widening, retaining walls, cycle paths, footpaths or use paths. | | | | |
| | | | | (3) | incre park | sidential streets the verge width may also need to be eased to allow space for noise attenuation works, indented ing and to enable adequate width to be maintained around points. | | | | |
| | | | | (4) | (com | re street grades in excess of 12% (residential) or 6% imercial or industrial) are proposed, the number of lot ages to that section should be limited. | | | | |
| | | | | (5) | | re frontage to steep grades is proposed, the feasibility of ing safe property access/egress is to be demonstrated. | | | | |
| | | | | (6) | stree | location, design and construction of frontage and etworks are to be in accordance with the requirements and ifications outlined in Planning Scheme Policy 3—General <s.< td=""></s.<> | | | | |
| | | | | | (b) | All frontage and street construction works are to be in place or sufficient security provided before the Plan of Subdivision is approved by the local government. | | | | |
| (25) | Provi (a) | for re (i) (ii) | f on-street carparking to ensure— esidential development— convenience and safety for users; the efficient use of car spaces; | (25) | (a) | For residential development, provision within the street reserve of areas sufficient to provide 0.5 spaces per single residential lot or dual occupancy lot and parking spaces per dwelling for other residential uses as outlined in Table 10.5B of Queensland Streets 1998 Edition. | | | | |
| | | (iii) (iv) | compatibility with the street's function; and the achievement of relevant streetscape outcomes; and | | (b) | For industrial development, provision within the carriageway of parking lanes on both sides of all Industrial Streets, with widths as outlined in Appendix G. | | | | |
| | (b) | for c (i) | ommercial or industrial development— sufficient and convenient short-term parking to accommodate vehicles not catered for on-site; | | (c) | For residential development, one car space is available within 25m of each single residential or dual occupancy lot. | | | | |
| NOT | E 27 | (ii) | parked vehicles do not obstruct the passage of vehicles on the carriageway or create traffic hazards. | | (d) | For residential lots with a frontage of 9m to 12m, provision is made on-street for at least one visitor car parking space in front of each lot. | | | | |
| For r | esiden | | velopment, the provision of on-street carparking should ording to projected needs which are determined by— | | (e) | For multiple residential uses, on-street parking is located within 40m of the lot. | | | | |
| (a) | | | of lots and dwelling units proposed; | | (f) | For residential development, the dimensions of on-street | | | | |
| (b) | | | of public transport; | | | carparking spaces and access comply with the requirements outlined in the Parking Code as applicable | | | | |
| (c) | | | n of on-site car parking; | | | to on-site parking. | | | | |
| (d) | location and | ons of | non-residential uses such as schools and local shops; | | | | | | | |
| (e) | the or | casio | nal need for overflow parking. | | | | | | | |

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| | Column 1 Specific Outcomes | Column 2 Probable Solutions | | | | |
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| | Specific Outcomes | Probable Solutions | | | | |
| | | (1) | For s carpa carria vehic for P | single residential or dual occupancy uses, on-street arking spaces may either be provided on the ageway (in which case provision shall be made for cle passing in accordance with Section 2.5 'Provision assing' of Queensland Streets 1998 Edition) or in tructed bays within the verge. | | |
| | | (2) | may carria | nultiple residential uses, on-street carparking spaces be either parallel or angle provided within the ageway and designed in accordance with Section 10.5 king' of Queensland Streets 1998 Edition. | | |
| | | (3) | metro | ndustrial development, within turning areas at least 20 es of kerb frontage is to be provided for each lot for ss and on-street parking. | | |
| | | (4) | Stree occu Acce | "credit" for tandem parking as cited in Queensland ets 1998 Edition for single residential or dual pancy uses having frontage to Access Streets and ess Places does not apply for development within ich City. | | |
| | | (5) | dual and a setba | "credit" for Tandem Parking for single residential or occupancy uses having frontage to access streets access places will only apply where there is a 6 metre ack between a garage/carport and the property idary. | | |
| Public Op | en Space | Public Open Space | | | | |
| (26) Park (a) | s— are provided in the general locations as outlined in Part 13—Local Government Infrastructure Plan and Map 1 in Schedule 7: | (26) | (a) | Where a Land Use Concept Master Plan, Town Centre Concept Plan, Open Space Master Plan or other Plan of Development exists, public open space is provided in accordance with that plan. | | |
| (b) | provide opportunities for casual surveillance; | | (b) | In those lot reconfigurations where it is proposed that parkland be secured— | | |
| (c) | are, with the exception of linear or waterside parkland, easily visible from the street; | | | land dedications are provided (and are indicated on the Plan of Subdivision); and | | |
| (d) | are located away from excessive noise; | | | (ii) the areas of public open space are | | |
| (e) | are located and designed in accordance with the desired standards of service for each recreation setting outlined in Part | | | appropriate for their intended purpose; and | | |
| NOTE 29 | 13—Local Government Infrastructure Plan and Planning Scheme Policy 3—General Works. | NOTE 30 Reference should be made to the issues outlined in the section entitled 'criteria for on-site land dedication' in Appendix H – Land | | | | |
| | n determining whether parkland dedications could be required for sed lot reconfiguration the explanatory note detailed in Appendix H used. | Dedications for Public Parks. (iv) the land is not constrained by encumbrances from providing public recreation uses; and | | | | |
| | | NOT | E 31 | | | |
| | | This includes cultural significance, conservation or infrastructure encumbrances (e.g. high voltage overhead power transmission lines) except where these can be incorporated to supplement or enhance the uses intended for the land. (iv) the edges of the parkland are overlooked by housing or commercial or other development with active frontages that can provide effective informal surveillance, rather than adjoining the rear of the dwellings; and | | | | |
| | | | | | | |



| Column 1 Specific Outcomes | | | Column 2 Probable Solutions |
|--|--------------------|---|---|
| Specific Outcomes | | (v) | for linear or waterside parkland— |
| | | (•) | (A) the lot layout aligns the parkland reserve along the river or creek edge; |
| | | | (B) the extent of the parkland correlates with the adopted flood level or is a minimum width of 30 metres (measured from the banks of the watercourse) or as much in addition to the 30 metres to achieve at least a 10 metre width with slopes less than 1 in 20 (5%) to enable construction of a walking/bicycle path and to facilitate maintenance; and |
| | | | (C) the land is stable and useable for recreation and pedestrian/cycle movement, within the broader functions of drainage, conservation and visual amenity. |
| | NOTE 3 | | |
| | o | pen spac pply as o | d is dedicated which forms part of the adopted se system, an infrastructure credit (offset) will utlined in the Ipswich Adopted Infrastructure Resolution. |
| | p o is (0 | oublic park obligation s entitled offset) as | e value of the land to be dedicated exceeds the ks proportion of an adopted infrastructure charge associated with the reconfiguration, the applicant to cash reimbursement of the infrastructure credit outlined in the Ipswich Adopted Infrastructure Resolution. |
| | is is C | s conside s not to be alculatior | w the 1 in 20 Average Recurrence Interval (ARI) red to represent a primary drainage function and e included in any public parks infrastructure credit as unless the land is stable, useable and free mbrances to provide public recreation uses. |
| | a d tł | idjoin exis ledicated he dedica | proposed open space does not immediately sting open space or land in the process of being as open space it may be necessary to include in tion the provision of access easements (either or permanent) to the proposed open space. |
| Utilities | Utilitie | S | |
| (27) Cost effective and environmentally sustainable utilities (including effluent treatment and disposal, water, electricity, gas, street lighting and | (27) (a | | sion is made for the— |
| communication services) are provided to each lot. | | (i) | reticulation of water supply to each lot; |
| | | (ii) | reticulation of sewerage to each lot. For Homestead or Township lots (including unsewered township commercial or industrial lots), measures to treat and dispose of effluent on-site in compliance within the Plumbing and Drainage Act 2002 and the Queensland Plumbing and Wastewater Code; |
| | | (iii) | supply of electricity (and where applicable the supply of natural gas) to each lot; |
| | | (iv) | supply of telecommunication services to each lot; and |
| | | (v) | installation of street lighting on that side of the street or road as the existing or planned location of the footpath. |

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| | | Column 1 Specific Outcomes | Column 2 Probable Solutions | | | | | | |
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| NOT | E 33 | | NOTE | E 34 | | | | | |
| (1) | the fir devel | cants should determine the likely demand for water from nal development layout – not just the first stage of opment. | (1) | supp servi | y maii ces ar | n, design and construction of sewerage facilities, water ns and fixtures, electricity, gas and communication e in accordance with the requirements and specifications Planning Scheme Policy 3—General Works. | | | |
| (2) | syste | early stage, applicants should obtain advice on existing m heads and reserve capacity at the nominated point of action. | (2) | Whei comr | ever p non tre | possible, compatible public utility services are co-located in enching in order to minimise the land required and the | | | |
| (3) | existi | early stage it should be determined whether any ng water supply or sewerage trunk infrastructure within operty should be relocated or suitably protected. | (3) | Whe | e dev | nderground services. elopment is staged, each stage is to be fully serviced ew stage is released. | | | |
| (4) | Adeq provid | uate water supply for fire fighting purposes is to be led. | (4) | | | buffers or separation distances are maintained between I dwellings to protect residential amenity and public health. | | | |
| (5) | feasib | ayout of the reconfiguration is to ensure sewerage ility, otherwise there may be a reduction in the area of t available for building construction. | | | | ties are to be in place or sufficient security provided before an of Subdivision is approved by the local government. | | | |
| (6) | traffic footpa | rage pumping stations should not obstruct existing corridors for cyclist or pedestrians or be located on aths or within close proximity to residential, commercial ustrial development. | | | | | | | |
| (7) | towns waste on-sit syste | omestead or Township Lots (including unsewered ship commercial or industrial lots) all sullage and septic e water is to be capable of being treated and disposed of e without it entering any adjoining premises, stormwater m or watercourse and without ponding or causing a n nuisance. | | | | | | | |
| Stor | mwate | r Drainage | Stori | mwate | r Drai | nage | | | |
| (28) | The n | najor stormwater drainage system— | (28) | (a) | The | design of the major stormwater drainage system is— | | | |
| | (a) | has the capacity to safely convey stormwater flows resulting from the adopted design storm under normal operating conditions; | | | (i) | in accordance with the individual adopted Drainage Master Plans or where no Drainage Master Plan exists the major drainage system is designed to safely convey stormwater flows under normal operating conditions for | | | |
| | (b) | is located and designed to ensure that there are no flow paths that would increase risk to public safety and property; | NOT | E 36 | | the 1% AEP + climate change; | | | |
| | (c) | is to maximise community benefit through the retention of natural streams and vegetation wherever | The major drainage system design is based on the provisions of QUI Planning Scheme Policy 3—General Works. | | | | | | |
| | | practicable, the incorporation of parks and other less flood-sensitive land uses into the drainage corridor and the placement of detention basins for amenity and | | | (ii) | matched to the conditions which occurred before development; | | | |
| | | function. | NOT | | | | | | |
| - | E 35 | | | | | at the reconfiguring a lot application stage to nominate the aths through the development and provide broad Rational | | | |
| (1) | | essential drainage considerations for issuance of opproval to reconfigure a lot are— | | | ulatio | ns for the 1% AEP + climate change runoff in these paths. | | | |
| | (a) | that the proposed development, as a whole, can actually be drained; | | | (iii) | to be sufficient to hydraulically convey this design flow (1% AEP + climate change) through the subdivision to the lawful point of discharge; and | | | |
| | (b) | that the stormwater management system can mimic (and use) the features and functions of the | | (b) | | width of the drainage path is— | | | |
| | | natural drainage system which is largely capital, energy and maintenance cost free; | | | (i) (ii) | sufficient to contain design flows; and allow maintenance access. | | | |
| | (c) | that the volume, timing, velocity and pollutant load of stormwater discharged from the subdivision will closely approximate the conditions which occur before development; | | | | | | | |



| Column 1 | | | | Column 2 | | | | |
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| | | Specific Outcomes | | | Probable Solutions | | | |
| | (d) | that the development addresses drainage from any foreshadowed development in upstream catchments which may contribute to the runoff through the development as a whole (refer to the individual drainage master plans); | | | | | | |
| | (e) | where a drainage master plan does not exist, applicants may be required to analyse the whole catchment or sub-catchment taking account of the likely future development, as outlined in the Strategic Plan, to ensure that no worsening will occur as a result of the proposed development on the land; and | | | | | | |
| | (f) | that suitable provision has been made in the lot layout to accommodate Major Drainage (as defined in QUDM). | | | | | | |
| (2) | requir | Drainage (as defined in QUDM) detailed design, whilst not ed to be addressed at the reconfiguring a lot application is to be addressed at the Operational Works Application | | | | | | |
| (3) | plus a develo a lawf flows should | atchment Plan should encompass the development itself iny upstream catchments delivering runoff into the opment site, and extend sufficiently downstream to indicate ul point of discharge for any concentrated or modified water leaving the development site (N.B. Increased water flows d not leave a development site unless it is part of an overall, ved drainage master plan). | | | | | | |
| (4) | basins | s approved as parkland by the Local Government, detention s are to be dedicated as 'drainage reserve' and not included any parkland dedication. | | | | | | |
| (29) | | s are located above the adopted flood level to provide tion of property in accordance with the accepted level of | (29) | (a) | All Cottage Lots, Courtyard Lots, Traditional Lots, Hillside Lots and Dual Occupancy Lots are located outside the adopted flood regulation line and urban catchment flow paths. | | | |
| | | | | (b) | For Homestead or Township Lots, an area which is suitable for a building platform comprising at least 600m ² of each lot is to be located outside the adopted flood regulation line and urban catchment flow paths. Also, an additional area is to be available on each lot that is suitable to treat and dispose of effluent on-site in compliance with the Plumbing and Drainage Act 2002 and the Queensland Plumbing and Wastewater Code. | | | |
| | | | | (c) | All multiple residential lots, commercial lots, mixed business and industry lots and industrial lots are located above the adopted flood level for the respective zone or Sub Area. | | | |
| | | | NOTE | 38 | | | | |
| | | | (1) | the a | se areas of residential lots below the adopted flood level for applicable zone or Sub Area which are affected by a ificant flood flow' are to be subject to a drainage easement. | | | |
| | | | (2) A Drainage Reserve may be required for any part of the land conveying stormwater drainage flows to the lawful point of discharge or where significant overland flows occur. | | | | | |



Ipswich Planning Scheme

| | | Column 1 Specific Outcomes | | | | Column 2 Probable Solutions |
|--------|------------|---|------|--------|------------------------|---|
| (30) | Desig | n of the lot layout provides for— | (30) | (a) | Lot d | Irainage is to be directed into the street drainage |
| | (a) | drainage which does not cause damage or nuisance flows to adjoining properties; | NOT | E 39 | syste | em. |
| | (b) | a drainage system that can be economically maintained; | (1) | Whe | re site | conditions do not permit lot drainage into the street |
| | (c) | maximum use of on-site infiltration; | | | | vstem, lot drainage accords with the design criteria Planning Scheme Policy 3—General Works. |
| | (d) (e) | the safety and convenience of people using the site; and for homestead lots or township lots, any dams are to be wholly located within lot boundaries. | (2) | | nage is | lure for both providing and protecting Inter Lot outlined in Planning Scheme Policy 3—General |
| | | | | (b) | For h of an emba | nomestead lots or township lots, the high water level by dam and the top and toe of all dam walls and ankments are not to be closer than 2 metres to any boundary. |
| (31) | The s | tormwater drainage system— | (31) | (a) | | design and proposed implementation of the water |
| | (a) | minimises the environmental impact of urban run-off on surface receiving water quality and on other aspects of the natural environment; | | | adop | ity control systems are in accordance with an oted Drainage Master Plan or Catchment agement Strategy. |
| | (b) | optimises the interception, retention and removal of water- borne pollutants through the use of appropriate 'fitness for use' criteria, prior to the stormwater's discharge to receiving waters; | | (b) | Catc recor outco | ere is no adopted Drainage Master Plan or hment Management Strategy, there are no mmended probable solutions for this specific ome as each situation requires an individual |
| | (c) | ensures the continuation, in healthy condition, of a wide diversity of wetland environments in the urban landscape; | | | аррг | oach. |
| | (d) | ensures that 'first flush' diversion or treatment systems are able to be installed to lessen the impact of shock pollution loadings to receiving waters; | | | | |
| | (e) | optimises the integration of stormwater infrastructure with open space management objectives. | | | | |
| Fire I | ightir | g | Fire | Fighti | ng | |
| (32) | | are designed with adequate water supply and access for fire | (32) | Eithe | er— | |
| | fightir | ng purposes. | | (a) | (i) | fire hydrants are located no further than 80m apart within road reserves; and |
| | | | | | (ii) | all dwellings are able to be located within the fire appliance access distances shown in Diagram E below; or |
| | | | | (b) | build | ing envelopes are created on new lots such that the ing envelope meets the fire appliance access inces shown in Diagram E below; or |
| | | | | (c) | (i) | the water supply service to a hatchet lot is sized for the provision of fire fighting flows via a hydrant and a metered bypass across a check valve in accordance with AS2419.1 and a fire hydrant and building envelope are provided to meet the fire appliance access distances shown in Diagram E below; and |
| | | | | | (ii) | vehicular access to the lot is via— |
| | | | | | | (A) a minimum 3 metre wide concrete driveway; |
| | | | | | | (B) with a minimum 3 metres in horizontal clearance and 4.5 metres in vertical clearance; and |
| | | | | | | (C) with a maximum gradient of 15%; or |



| Column 1 | | | | | Column 2 |
|-------------------|------|--------------|---------------------------------|--|---|
| Specific Outcomes | | | | | Probable Solutions |
| | | | | _ | DIAGRAM E |
| | | /• | | | Dwelling Location A Minimum of 1m into Room/Building Entry Door 60m Maximum Length of Hose 10m Maximum Horizontal Jet of Water 20m Maximum Length of Hose |
| | | (d) | (i) | minir is pe | e reticulated water supply is not available, a num water supply of 5000 litres (per dwelling) rmanently available on site for fire fighting pses as either— |
| | | | | (A) | a separate onsite water tank; or |
| | | | | (B) | a reserve section in the bottom part of the main water supply tank; or |
| | | | | (C) | a swimming pool installed immediately upon construction of the dwelling; or |
| | | | | (D) | a dam or lake; and |
| | | | (ii) | wher are– | e onsite water supply tanks are provided they - |
| | | | | (A) | above ground and located adjacent to the building; |
| | | | | (B) | fitted with a 50mm outlet pipe and a 50mm male camlock coupling (standard rural fire brigade fitting) to allow fire hose connection; and |
| | | | | (C) | of precast concrete or steel construction and supported by a fireproof structure; and |
| | | | (iii) | vehic | cular access to the lot is via— |
| | | | | (A) | a minimum 3 metre wide concrete driveway; |
| | | | | (B) | with a minimum 3 metres in horizontal clearance and 4.5 metres in vertical clearance; and |
| | | | | (C) | with a maximum gradient of 15%; or |
| | NOTE | | | | |
| | (1) | Resi 4000 | dential m² or g | areas greater | d be generally avoided in Large Lot (i.e. areas where the average lot size is) owing to the inherent difficulties associated ess to fire hydrants for fire fighting vehicles. |
| | (2) | prefe | rable f | o exte | ding access via multiple hatchet lots it is nd the street network and the associated ire hydrants. |
| | | (e) | the s owne appli issue | ubmiss er/appli cation es in re | is no other prudent or feasible alternative, sion of a written acknowledgement from the icant at the time of lodging a development that the applicant/owner is aware of the lation to fire fighting, with the ability to convey tion to subsequent purchasers. |



12.5.5 Specific Outcomes and Probable Solutions for Rural Reconfiguring

- (1) The specific outcomes sought for Rural Reconfiguring for—
 - (a) minor rural subdivision are set out in column 1 of Table 12.5.3 and the probable solutions are set out in column 2 of Table 12.5.3; and
 - (b) moderate rural subdivision are set out in column 1 of Table 12.5.4 and the probable solutions are set out in column 2 of Table 12.5.4.

NOTE 12.5.5A

- (1) Table 12.5.3 relates to 'minor rural subdivision'.
- (2) Table 12.5.4 relates to 'moderate rural subdivision'.
- (3) Refer to section 12.5.2(5) for an explanation of the terms 'minor rural subdivision' and 'moderate rural subdivision'.

Table 12.5.3: Specific Outcomes and Probable Solutions for Minor Rural Subdivisions

| | | Column 1 Specific Outcomes | | | Column 2 Probable Solutions |
|-------|-------|--|--------------|---|---|
| Lot L | avout | and Design | Lot I | avout | and Design |
| (1) | | | | (a) | The lot size, frontage and special characteristics for the different rural lot types are as outlined in Appendix I. |
| | (a) | enable the siting and construction of a dwelling and ancillary outbuildings, where for the purposes of rural living; | NOT For a | | cial lot characteristic attribute refer to the applicable Zone |
| | | Code | | The requirements for access easements for rural lots are those applicable for hatchet lots [see Probable Solution | |
| | (c) | provide for user requirements, particularly rural producers lots and farm restructuring; | | | (3) below]. |
| | (d) | take into account the slope of the land, in particular the desirability of minimising earthworks associated with building construction; | | | |
| | (e) | overcome site constraints (e.g. undermining, flooding, drainage, bushfire risk, buffers to incompatible land uses etc); | | | |
| | (f) | conserve natural, cultural or special features (e.g. trees, buildings, views etc). | | | |
| | | a hatchet lot is not to include reference to the access strip he lot). | | | |
| (2) | | configuration of land may produce one or more hatchet lots, ded— | (2) | | e are no recommended probable solutions for this specific ome as each situation requires an individual approach. |
| | (a) | it is not likely to prejudice the subsequent reconfiguration or use of adjoining land; | | | |
| | (b) | it is not desirable nor practicable for the subject and adjoining land to be otherwise reconfigured so as to have a frontage to another road which may be subsequently constructed; | | | |
| | (c) | the siting of buildings on a proposed hatchet lot will not be detrimental to the amenity of the area; | | | |
| | (d) | existing development of land in the area will not have a detrimental effect on buildings to be sited on the proposed hatchet lots; and | | | |
| | (e) | there is no reasonable alternative to the hatchet lot having regard to the sites's topography, access, location, shape and size. | | | |



| | | Column 1 Specific Outcomes | | Column 2 Probable Solutions |
|-------|---------------------------|---|-------------------------|--|
| NOT | E 3 | | ! | |
| Unles | ss requ | ired by specific site conditions in respect of topography, para ral hatchet lots are 'the exception rather than the norm'. | cel siz | ze, location (especially in relation to creeks and watercourses), access |
| (3) | Hatc (a) (b) (c) | het lots— do not dominate or intrude within the existing subdivision pattern; provide an access strip capable of accommodating adequate vehicular access and utility services; provide an access strip which does not unduly affect or restrict the use of neighbouring properties. | (3) NO (1) (2) | behind any full frontage lot. (b) The access strip is located on only one (1) side of a lot with direct frontage to the street. (c) The shape of the access strip (including the construction of the driveway) conforms with the nature of the terrain and enables a single unit truck to enter and leave the lot in forward gear. (d) The minimum width of the access strip is as follows— (i) Rural Living Lots – 10m⁽⁶⁾; (ii) Other Rural Lots – 15m⁽⁶⁾. DTE 4 In spite of the recommended minimum width of the access strip, it must be of sufficient width to accommodate a driveway and utility services. |
| | | | | (e) The type of reciprocal easements comply with the requirements shown in Diagram A, below. Diagram A Image: Complexity of the second sec |
| | | | | (f) The minimum width of the constructed (i.e. compacted gravel pavement) driveway in the access strip is four (4) metres. (g) The driveway is to be constructed from the pavement edge for the full length of the access strip. (h) Where reciprocal easement rights are proposed, the driveway is to be a 2 coat bitumen seal for the length over which the reciprocal easement applies to a minimum width of 3 metres on a 5 metre pavement. (i) For rural lots, other than rural living lots, a drainage system is provided so that no part of the driveway is below the adopted flood level. (i) For rural living lots no part of the driveway is below the adopted flood level. |
| | | | | (j) For rural living lots no part of the driveway is below the adop flood level. |

⁶ Where two (2) hatchet lots are proposed, the combined access strip is to be increased by 5 metres to allow for the provision of utility services, driveway construction and other matters, provided reciprocal easement rights are used.

Ipswich Planning Scheme

| | | Column 1 | | | | Column 2 | | |
|--------|--|---|---|--|---------------------------------|--|--|--|
| (4) | | Specific Outcomes configuration of land may produce a boundary gnment, provided— | (4) | | | Probable Solutions o recommended probable solutions for this specific outcome ation requires an individual approach. | | |
| | (a) | land zoned Rural A (Agricultural) or Rural D (Conservation) is not further fragmented; | | | | | | |
| | (b) | it does not in itself create a lot or holding below the size for the appropriate type of rural lot within the zone; | | | | | | |
| | (c) | it improves the 'useability' or lot configuration of the properties. | | | | | | |
| Desi | gnated | 1 Roads | Desi | gnated | Roads | 6 | | |
| (5) | | ss arrangements do not impede the traffic rmance of Designated Roads. | (5) | (a) | there syster | to not have direct vehicle access to the road system unless are no suitable access alternatives (provided by the street m), in which case vehicle access onto the Designated Road able of being made in a forward direction. | | |
| | | | | (b) | | ehicle access is limited to one (1) point only (where direct is to the Designated Road is unavoidable). | | |
| | | | | (c) | Any v sightli | ehicle access is sited to obtain the maximum visibility (i.e. nes). | | |
| Fror | ntage \ | Norks and Utilities | Fron | tage W | orks a | nd Utilities | | |
| (6) | the p spec Gene | existing, dedicated street fronting or gaining access to roposed reconfigured lot is constructed to the ifications outlined in Planning Scheme Policy 3— eral Works for the type of street classification fronting roposed lot. | (6) | gainii base 3—G | ng acce d on the eneral \ | age works to an existing, dedicated street, fronting or ess to the proposed reconfigured lot are required, they are e specifications outlined in Planning Scheme Policy Works and standards in Part 13—Local Government e Plan for trunk infrastructure. | | |
| (7) | The carriageway width, together with the verge and batter width and crossover dimensions, allow for unobstructed and efficient entry and exit from each lot. | | | (a) | coat b Plann | e access is to a sealed road, the lot is to have a 3 metre, 2 bitumen sealed accessway, to the specifications outlined in ing Scheme Policy 3—General Works, between the nent edge of the street and the property boundary. | | |
| | | | | (b) | | e access is to a gravel road the standards outlined in 7(a) a pply, except for bitumen sealing. | | |
| | | | NOT | E 5 | | | | |
| | | | (1) Where street grades in excess of 16% exist, the number of property accesses to that section are to be limited. | | | | | |
| | | | (2) | (2) Where access is proposed, the feasibility of gaining safe property access, paying regard to driveway grade and combined crossfall, is t be demonstrated. | | | | |
| (8) | | effective and environmentally sustainable utilities | (8) | (a) | Provis | sion is made for the— | | |
| | and | iding effluent treatment and disposal, water, electricity communication services) are provided to each lot. | | | (i) | supply of on-site potable water or, if available, reticulated water supply; | | |
| treate | ullage a ed and | Illage and septic waste water is to be capable of being ed and disposed of on-site without it entering any adjoining ises, stormwater system or watercourse and without ponding | | | (ii) | treatment and disposal of effluent on-site in compliance with the Plumbing and Drainage Act 2002 and the Queensland Plumbing and Wastewater Code; | | |
| | | | | | (iii) | supply of electricity to each lot; and | | |
| | using a health nuisance. | | | | (iv) | supply of telecommunication services to each lot. | | |
| | | | NOTE 7 | | | | | |
| a | | | and f | ixtures rdance | (where with the | n and construction of frontage works, water supply mains available), electricity and communication services are in e requirements and specifications outlined in Planning General Works. | | |
| | | | (b) All frontage works and utilities are to be in place or sufficient security provided before the Plan of Subdivision is approved by the local government. | | | | | |



| | | Column 1 Specific Outcomes | Column 2 Probable Solutions | | | | |
|--|---------------------|---|---|---------------------|--|--|--|
| Stor | Stormwater Drainage | | | Stormwater Drainage | | | |
| (9) A flood free dwelling site is located above the adopted flood level to provide protection of property in accordance with the accepted level of risk. | | (9) | Each proposed lot is to contain an area which is suitable for a building platform comprising at least 2000m ² and located outside the adopted flood regulation line and urban catchment flow paths. Also, an additional area is to be available on each lot that is suitable to treat and dispose of effluent on-site in compliance with the Plumbing and Drainage Act 2002 and the Queensland Plumbing and Wastewater Code. | | | | |
| (10) | 0 01 | | (10) | (a) | Lot drainage is to be provided by on-site stormwater detention. | | |
| | (a) | drainage which does not cause damage or nuisance flows to adjoining properties; and | | (b) | Where applicable, the high water level of any dam and the | | |
| | (b) | any dams to be wholly located within lot boundaries. | | | top and toe of all dam walls and embankments are not to be closer than 2 metres to any lot boundary. | | |

Table 12.5.4: Specific Outcomes and Probable Solutions for Moderate Rural Subdivisions

| | | Column 1 Specific Outcomes | | | Column 2 Probable Solutions |
|----------------------|--|---|---|-----------------|--|
| Lot L | .ayout | and Design | Lot L | ayout | and Design |
| (1) | Lots (including hatchet lots) have the appropriate area and dimensions to— | | | (a) | The lot size, frontage and special characteristics for the different rural lot types are as outlined in |
| | (a) | enable the siting and construction of a dwelling and ancillary outbuildings, where for the purposes of rural living; | NOT | E 2 | Appendix I. |
| | (b) | enable the siting and construction of non-residential buildings, where for the purposes of specific rural use or designated purpose; | | ny spe Code. | cial lot characteristic attribute refer to the applicable |
| | (c) | provide for user requirements, particularly rural producers lots and farm restructuring; | | (b) | The requirements for access easements for rural lots are those applicable for hatchet lots [see |
| | (d) | take into account the slope of the land, in particular the desirability of minimising earthworks associated with building construction; | | | Probable Solution (3) below]. |
| | (e) | overcome site constraints (e.g. undermining, flooding, drainage, bushfire risk, buffers to incompatible land uses etc); | | | |
| | (f) | conserve natural, cultural or special features (e.g. trees, buildings, views etc). | | | |
| NOT The the lo | area of | f a hatchet lot is not to include reference to the access strip (handle of | | | |
| (2) | | configuration of land may produce one or more hatchet lots, ded— | (2) There are no recommended probable solutions for specific outcome as each situation requires an in | | |
| | (a) | it is not likely to prejudice the subsequent reconfiguration or use of adjoining land; | | appr | oach. |
| | (b) | it is not desirable nor practicable for the subject and adjoining land to be otherwise reconfigured so as to have a frontage to another road which may be subsequently constructed; | | | |
| | (c) | the siting of buildings on a proposed hatchet lot will not be detrimental to the amenity of the area; | | | |
| | (d) | existing development of land in the area will not have a detrimental effect on buildings to be sited on the proposed hatchet lots; and | | | |
| | (e) | there is no reasonable alternative to the hatchet lot having regard to the sites's topography, access, location, shape and size. | | | |
| NOT | E 3 | | | | |
| | | ired by specific site conditions in respect of topography, parcel size, loc ral hatchet lots are 'the exception rather than the norm'. | ation (e | especia | ally in relation to creeks and watercourses), access |



m

| | | Column 1 Specific Outcomes | | | Column 2 Probable Solutions | | | | |
|------|--------|--|-----|-----------|--|--|--|--|--|
| (3) | | het lots— | (3) | (a) | The number of hatchet lots is generally limited to one (1) behind any full frontage lot. | | | | |
| | (a) | do not dominate or intrude within the existing subdivision pattern; | | (b) | The access strip is located on only one (1) side of a lot with direct frontage to the street. | | | | |
| | (b) | provide an access strip capable of accommodating adequate vehicular access and utility services; | | (c) | The shape of the access strip (including the construction of the | | | | |
| | (c) | provide an access strip which does not unduly affect or restrict the use of neighbouring properties. | | | driveway) conforms with the nature of the terrain and enables a single unit truck to enter and leave the lot in forward gear. | | | | |
| | | | | (d) | The minimum width of the access strip is as follows— | | | | |
| | | | | | (i) Rural Living Lots – 10m ⁽⁷⁾ ; | | | | |
| | | | | | (ii) Other Rural Lots – $15m^{(7)}$. | | | | |
| | | | | TE 4 | | | | | |
| | | | (1) | mu | spite of the recommended minimum width of the access strip, it ist be of sufficient width to accommodate a driveway and utility rvices. | | | | |
| | | | (2) | | the case of telecommunications and electricity services, these rvices are to be provided for the full length of the access strip. | | | | |
| | | | | (e) | The type of reciprocal easements comply with the requirement shown in Diagram A, below. | | | | |
| | | | | Diagram A | | | | | |
| | | | | - | Road Road | | | | |
| | | | | | In this case the easement is for access purposes with each lot having its own area for utility services and other matters. | | | | |
| | | | | (f) | The minimum width of the constructed (i.e. compacted gravel pavement) driveway in the access strip is four (4) metres. | | | | |
| | | | | (g) | The driveway is to be constructed from the pavement edge for the full length of the access strip. | | | | |
| | | | | (h) | Where reciprocal easement rights are proposed, the driveway is to be a 2 coat bitumen seal for the length over which the reciprocal easement applies to a minimum width of 3 metres of a 5 metre pavement. | | | | |
| | | | | (i) | For rural lots, other than rural living lots, a drainage system is provided so that no part of the driveway is below the adopted flood level. | | | | |
| | | | | (j) | For rural living lots no part of the driveway is below the adopted flood level. | | | | |
| Desi | gnated | I Roads | Des | signat | ed Roads | | | | |
| (4) | | oad network has a clear structure and component roads orm to their function in the system. | (4) | | ads link with other roads that are no more than one level higher lower in the hierarchy. | | | | |

⁷ Where two (2) hatchet lots are proposed, the combined access strip is to be increased by 5 metres to allow for the provision of utility services, driveway construction and other matters, provided reciprocal easement rights are used.

Viz Chin

| | Column 1 Specific Outcomes | | | Column 2 Probable Solutions |
|-------|---|--------|----------------|--|
| (5) | Intersections are located to provide safe and efficient connection and traffic interface between the rural street network and Designated Roads. | | with t | ocation of intersections to Designated Roads is in accordance he following Austroad publication— le to Traffic Engineering Practice" |
| | | | (a) | Part 5 Intersections at Grade; |
| | | (6) | (b) | Part 6 Roundabouts. |
| (6) | Access arrangements do not impede the traffic performance of Designated Roads. | | (a) | Lots do not have direct vehicle access to the road system unless there are no suitable access alternatives (provided by the street system), in which case vehicle access onto the Designated Road is capable of being made in a forward direction. |
| | | | (b) | Any vehicle access for a lot is limited to one (1) point only (where direct access to the Designated Road is unavoidable). |
| | | | (c) | Any vehicle access is sited to obtain the maximum visibility (i.e. sightlines). |
| (6A) | Road networks in areas within 6km of the RAAF Base Amberley runway do not include configurations of lights that replicate the appearance of airport runways at night. | (6A) | paral | I networks do not include configurations of lights in straight lel lines 500m – 1000m long in areas within 6km of the RAAF Amberley runway. |
| (7) | Rural housing is— | (7) | | e are no recommended probable solutions for this specific ome as each situation requires an individual approach. |
| | (a) not exposed to unacceptable traffic noise ⁸ ; or | | oulo | nne as each shuallon requires an individual approach. |
| | (b) able to be designed and constructed to ensure that acceptable living conditions within the dwelling can be created. | | | |
| NOT | 5 | | | |
| (1) | If the predicted road traffic noise at a residential building exceeds the noise criterion, acoustic barriers are the initial preferred option for noise amelioration. | | | |
| (2) | If the predicted road traffic noise still exceeds the noise criterion after the noise barriers have been designed for maximum effect, a treatment option is to incorporate noise control measures into the building design to ameliorate road traffic noise to the interior of the dwellings. | | | |
| Stree | t Networks and Design | Stree | t Netw | orks and Design |
| (8) | The street network connects with Designated Roads to maximise movement efficiency on the main traffic routes, whilst at the same time minimising traffic volumes on rural streets. | (8) | (a) | Intersections between Designated Roads and the rural street network are located so as to minimise restriction of movement on the Designated Roads, and to avoid traffic volumes in excess of 1000 vpd on collector streets and 150 vpd on local streets. |
| | | | (b) | Connections between rural streets and the road system are in accordance with the following intersection spacings— |
| | | | | (i) Collector to Arterial 2000m; |
| | | NOTE | | |
| | | | onnec onmen | tion is undesirable but sometimes unavoidable in a rural t. |
| | | | | (ii) Collector to Distributor 1000m; |
| | | | | (iii) Local to Distributor 400m; |
| | | NOTE | | tion is undesirable but comptimes upour idebte in a must |
| | | enviro | | tion is undesirable but sometimes unavoidable in a rural t. |
| | | | | (iv) Local to Collector 200m. |

⁸ Refer to Department of Transport and Main Roads, Code of Practice Road Traffic Noise, for the road traffic noise criteria.

Table 12.5.4 continued

| | | Column 1 Specific Outcomes | | | Column 2 Probable Solutions |
|------|--------|--|---------------|-----------|---|
| (9) | | street network has a clear structure and component streets orm to their function in the network. | (9) | | eets link with other streets that are no more than one level her or lower in the hierarchy. |
| (10) | type o | treet network has clear physical distinctions between each of street, based on function, convenience, traffic volumes, le speeds, public safety and amenity. | (10) | The J. | street network reflects the characteristics outlined in Appendix |
| (11) | driver | esign features of each type of rural street encourage behaviour appropriate to the primary function of the street network. | (11) | | re are no recommended Probable Solutions for this specific come as each situation requires an individual approach. |
| (12) | | ections are spaced to create safe and convenient vehicle ments. | (12) | | nections between rural streets are spaced in accordance with following intersection spacings— |
| | | | | (a) | Collector to Collector 400m; |
| | | | | (b) | Collector to Local 200m; |
| | | | | (c) | Local to Collector 200m. |
| | | | NOT | E 8 | |
| | | | (1) | app | veway access points should not be provided on intersection proaches and this matter should be addressed as part of the ailed design process. |
| | | | (2) | | e minimum truncation distance of the real property boundary at intersection between the following street types is to be— |
| | | | | Loc | cal Street to Local/Collector Street 6.0 m |
| | | | | Col | lector Street to Collector/ Designated Roads 8.0m |
| | | | (3) | trur | ere the intersection angle is other than 90 degrees, the ncation is to be by a chord or chords to a circle of radius equal he above truncation lengths. |
| | | | (4) | | area truncated is to be dedicated as road reserve free of cost or compensation by, the local government. |
| (13) | | treet network provides convenient movement for residents een their homes and Designated Roads. | (13) | | more than three intersections are required to be negotiated in er to travel from any home to the most convenient Designated ad. |
| | | | NOT | E 9 | |
| | | | Withi acce | | shfire Risk Areas' all lots are provided with an alternative street |
| (14) | The s | treet network— | (14) | | ere are no recommended probable solutions for this specific |
| | (a) | takes account of the topography (especially steep land) and significant vegetation; | | out | come as each situation requires an individual approach. |
| | (b) | avoids steep slopes (i.e. greater than 20%) so as to minimise landscape disturbance and vegetation loss; | | | |
| | (c) | avoids penetrating and fragmenting large tracts of remnant vegetation; | | | |
| | (d) | respects and protects places of cultural significance or streetscape value; | | | |
| | (e) | takes advantage of opportunities for views and vistas; | | | |
| | (f) | takes account of natural drainage and open space systems; | | | |
| | (g) | avoids crossing drainage features or open space areas, particularly for local rural streets; | | | |
| | (h) | is located, designed and managed to enhance the habitat and corridor requirements of native wildlife (plants and animals); | | | |
| | (i) | locates the streets to the least environmentally sensitive sites; | | | |
| | (j) | avoids extensive use of cut and fill; | | | |



Table 12.5.4 continued

| | | Column 1 | | Column 2 |
|-------|-------|--|-------|---|
| | | Specific Outcomes | | Probable Solutions |
| | (k) | meanders carriageways through important stands of vegetation to minimise the loss of important trees or ecosystems; | | |
| | (I) | maintains interlocking tree canopies over fauna corridors, where possible, to allow for the movement of arboreal fauna and birds; | | |
| | (m) | narrows the width of the carriageway where it crosses wildlife movement corridors, such as riparian zones; | | |
| | (n) | ensures that where within or abutting bushfire risk areas streets are designed, located and connected to allow safe and efficient movement of fire emergency vehicles; and | | |
| | (0) | provides for the cost effective provision of public utilities, including water (where available), electricity and telecommunications. | | |
| (14A) | runw | et networks in areas within 6km of the RAAF Base Amberley ay do not include configurations of lights that replicate the arance of airport runways at night. | (14A) | Street networks do not include configurations of lights in straight parallel lines 500m – 1000m long in areas within 6km of the RAAF Base Amberley runway. |
| (15) | and t | lesign of each type of street conveys the street's primary function he street reserve width is sufficient to cater for all street | (15) | (a) The following street components for each type of street are as specified in Appendix K— |
| | | ons, including— safe and efficient movement of all users; | | (i) carriageway widths; |
| | • • | provision for stationary vehicles; | | (ii) verge widths; |
| | • • • | provision for passing; | | (iii) street reserve widths; |
| | | ocation, construction and maintenance of public utilities | | (iv) kerb type; |
| | | (including guideposts, guard fencing, etc); | | (v) boundary clearances; and |
| | | provision for batters, retaining walls or other structures; | | (vi) longitudinal gradients. |
| | | provision for drainage; and | NOTE | 10 |
| | ., . | provision of clearances to property boundaries. | (1) | The Local Government will determine those design features and street components, based on the street components specified in Appendix K with frontage works based on the specifications outlined in Planning Scheme Policy 3—General Works and standards in Part 13—Local Government Infrastructure Plan for trunk infrastructure, that are to apply where— |
| | | | | (a) an existing dedicated street fronting or gaining access to the proposed reconfigured lot is required; or |
| | | | | (b) a new street is proposed to be constructed along the common boundary of land in two or more ownerships. |
| | | | (2) | Where street grades in excess of 16% are proposed, the number of lot frontages to that section should be limited. |
| | | | (3) | Where frontage to steep grades is proposed, the feasibility of gaining safe property access/egress is to be demonstrated. |
| | | | (4) | The location, design and construction of frontage and streetworks are to be in accordance with the requirements and specifications outlined in Planning Scheme Policy 3—General Works. |
| | | | | (b) All frontage and street construction works are to be in place or sufficient security provided before the Plan of Subdivision is approved by the local government. |

Table 12.5.4 continued

| | Column 1 Specific Outcomes | Column 2 Probable Solutions | | | |
|--------|--|--|--|--|--|
| (16) | The carriageway width, together with the verge and batter width and crossover dimensions, allow for unobstructed and efficient entry and exit from each lot. | (16) (a) Where access is to a sealed road, the lot is to have a 3 metre, 2 coat bitumen sealed accessway, to the specifications outlined in Planning Scheme Policy 3—General Works, between the pavement edge of the street and the property boundary. (b) Where access is to a gravel road the standards outlined in (16)(a) above apply, except for bitumen sealing. | | | |
| Utilit | ies | Utilities | | | |
| | Cost effective and environmentally sustainable utilities (including effluent treatment and disposal, water, electricity and communication services) are provided to each lot. | (17) (a) Provision is made for the— (i) supply of on-site potable water or, if available, | | | |
| NOT | , . | reticulated water supply; | | | |
| (1) | Applicants should determine whether a connection to the water supply is feasible and obtain advice on existing system heads and reserve capacity at the nominated point of connection. | treatment and disposal of effluent on-site in compliance within the Plumbing and Drainage Act 2002 and the Queensland Plumbing and Wastewater Code; | | | |
| (2) | All sullage and septic waste water is to be capable of being treated | (iii) supply of electricity to each lot; | | | |
| | and disposed of on-site without it entering any adjoining premises, stormwater system or watercourse and without ponding or causing a health nuisance. | (iv) supply of telecommunication services to each lot. NOTE 12 | | | |
| | | The location, design and construction of water supply mains and fixtures (where available), electricity and communication services are in accordance with the requirements and specifications outlined in Planning Scheme Policy 3—General Works. | | | |
| | | (b) All utilities are to be in place or sufficient security provided before the Plan of Subdivision is approved by the local government. | | | |
| Stor | mwater Drainage | Stormwater Drainage | | | |
| (18) | A flood free dwelling site is located above the adopted flood level to provide protection of property in accordance with the accepted level of risk. | (18) Each proposed lot is to contain an area which is suitable for a building platform comprising at least 2000m ² and located outside the adopted flood regulation line and urban catchment flow paths. Also, an additional area is to be available on each lot that is suitable to treat and dispose of effluent on-site in compliance with the Plumbing and Drainage Act 2002 and the Queensland Plumbing and Wastewater Code. | | | |
| (19) | Design of the site drainage provides for— (a) drainage which does not cause damage or nuisance flows to | (19) (a) Lot drainage is to be provided by on-site stormwater detention. | | | |
| | adjoining properties; and | NOTE 13 | | | |
| | (b) any dams to be wholly located within lot boundaries. | In all rural subdivisions, the Local Government requires on-site stormwater detention (to pre-development flows and velocities) as opposed to drainage easements or reserves. | | | |
| | | (b) Where applicable, the high water level of any dam and the top and toe of all dam walls and embankments are not to be closer than 2 metres to any lot boundary. | | | |



APPENDIX A: RESIDENTIAL LOT SIZE, FRONTAGE AND SPECIAL CHARACTERISTICS

| Lot Type Lot Size Frontage | Special Characteristics |
|---|--|
| (1) Cottage Less than 10m (where | (a) All lots are developed as a house and land package. |
| Lots 300m ² provision is | (b) Hatchet and corner lots are undesirable. |
| made for tandem | (c) These lots are undesirable within Township Areas as sewerage is not available. |
| parking), otherwise 12m. | (d) Cottage Lots are created on flat land with slopes not exceeding 2% (between side boundaries) and 5% (between front and rear boundaries). |
| | (e) For any stage of a reconfiguration within the Low Density Residential Zones or Sub Areas, Cottage Lots— |
| | (i) are to be dispersed throughout rather than concentrated within any stage of a reconfiguration; |
| | (ii) are not to occupy more than five percent (5%) of the total number of lots; |
| | (iii) are not to total more than five (5) lots in any Access Place or Access Street or more than ten (10) lots in any Collector Street; |
| | (iv) are to be located (taking the most direct route) no more than- |
| | (A) 200 metres from an existing or planned local or district level recreation park that contains a playground and kick-a-bout area; and |
| | (B) 500 metres from a general store or shopping centre. |
| (2) Courtyard 300m ² – 10m (where Lots 449m ² provision is | Lots are capable of containing a rectangle (suitable for building purposes) measuring 9m by 15m. |
| made for tandem parking) | (b) Courtyard lots are undesirable as a corner lot, hatchet lot or lot gaining access via an access easement. |
| otherwise 12m. | (c) These lots are undesirable within Township Areas as sewerage is not available. |
| | (d) All lots are to contain a Building Envelope Plan. |
| | (e) Courtyard Lots are created on flat land with slopes not exceeding 4% (between side boundaries) and 5% (between front and rear boundaries). |
| | (f) For any stage of a reconfiguration within the Low Density Residential Zones or Sub Areas, Courtyard Lots— |
| | are to be dispersed throughout rather than concentrated within any stage of a reconfiguration; |
| | (ii) are not to occupy more than ten percent (10%) of the total number of lots; |
| | (iii) are not to total more than five (5) lots in any Access Place or Access Street or more than ten (10) lots in any Collector Street; |
| | (iv) are to be located (taking the most direct route) no more than 500 metres from a Park and 800 metres from a general store or shopping centre. |
| (3) Traditional 450m ² and 15m (where slope is less than 5%). | (a) The general frontage to depth ratio is 1:2, however all lots are to have dimensions to enable the siting and construction of a dwelling and ancillary outbuildings, the provision of private outdoor recreation space and convenient vehicle access and parking. |
| minimum 17m (where area for a slope 5% <7%). | (b) Traditional Lots are generally created on land with slopes less than 10% and have an area between 450 – 1000m ² or greater, having regard to lot area, frontage and slope. |
| corner lot 20m (where slope 7% <10%). | (c) For any stage of a reconfiguration within the Low Density Residential Zones or Sub Areas, larger Traditional Lots (i.e. 800m ² or greater)— |
| A minimum 17m | (i) are to occupy not less than ten percent (10%) of the total number of lots; |
| frontage is | (ii) are to be located— |
| provided on a corner lot to the | (A) on the steeper parts of the land; |
| road frontage containing the | (B) on that land immediately adjoining any creek, watercourse or Designated Road; |
| access point. | (C) on any land the subject of an overlay; or |
| | (D) on land at the end of any culs-de-sac. |
| | (d) All lots are to be capable of containing a rectangle (suitable for building purposes) measuring 10m by 15m (or 9m by 15m where a boundary wall is nominated as part of the building envelope) in that part of the lot which is not within 6m of the frontage of the lot. |
| | |

Appendix A continued

| | Lot Type | Lot Size | Frontage | | Special Characteristics |
|-----|----------------|-----------------------|--|------|--|
| (4) | Hillside | Above | 20m-25m for lot | (a) | Hillside Lots are expected to be created on land with slopes in excess of 10%. |
| (1) | Lots | 800m ² | sizes between 800m ² – 1250m ² having a slope less than 15%. 25m-30m for lot | (b) | Lot size is in the 800-2000m ² range, dependent on the correlation between lot area, frontage and slope. |
| | | | | (c) | All lots are capable of containing a rectangle (suitable for building purposes) beyond the standard (i.e. 6m) front boundary setback, measuring 10m by 15m on a ground slope not exceeding 20%, although the balance of the lot may be steeper. |
| | | | sizes between 1250m ² – 2000m ² having a | (d) | Land steeper than 20% may be accepted for the building envelope if supporting geotechnical information is supplied and sewerage is feasible. |
| | | | slope less than | NOTE | 1 |
| | | | 20%. | (1) | Sites requiring more than domestic type foundation preparation and construction will not normally be approved. |
| | | | | (2) | Building design for houses on Hillside Lots should incorporate provisions to avoid slab on ground techniques (e.g. utilise post supported structures). |
| | | | | (e) | Access for on-site parking (which should be beyond the standard, 6m, front boundary setback) is feasible without involving the future purchasers in major earthworks or engineering structures (e.g. bridges or retaining walls). |
| | | | | (f) | These lots are undesirable within Township Areas as sewerage is not available. |
| (5) | Homestead | 4000m ² or | 40m | (a) | All lots are capable of disposing sewage and domestic waste. |
| | or Township | greater | | (b) | Where the proposed lot has slopes in excess of 10%— |
| | Lots | | | | at least 600m² of each lot is to be suitable for a building platform (measuring 10m by 15m) beyond the standard (i.e. 6m) front boundary setback plus ancillary buildings, the provision of private outdoor recreation space and convenient vehicle access and parking; and |
| | | | | | (ii) an additional area is to be available on each lot that is suitable to treat and dispose of effluent on-site in compliance with the Plumbing and Drainage Act 2002 and the Queensland Plumbing and Wastewater Code. |
| | | | | NOTE | 2 |
| | | | | (1) | Sites requiring more than domestic type foundation preparation and construction will not normally be approved. |
| | | | | (2) | Building design for houses on lots with slopes in excess of 10% should incorporate provisions to avoid slab on ground techniques (e.g. utilise post supported structures). |
| | | | | (3) | For further information about requirements for on-site effluent treatment and disposal, refer to Plumbing and Drainage Act 2002 and the Queensland Plumbing and Wastewater Code. |
| | | | | (c) | Access for on-site parking (which should be beyond the standard, 6m, front boundary setback) is feasible without involving the future purchasers in major earthworks or engineering structures (e.g. bridges or retaining walls). |
| (6) | Auxiliary | 800m ² | 20m | (a) | Auxiliary unit lots are to be nominated at the time of reconfiguration approval. |
| | Unit Lot | | | (b) | Auxiliary unit lots are undesirable as hatchet lots. |
| | | | | (c) | For any stage of a reconfiguration, auxiliary unit lots: |
| | | | | | (i) do not dominate the reconfiguration pattern; |
| | | | | | (ii) are dispersed throughout, rather than concentrated in, any stage of a reconfiguration; |
| | | | | | do not occupy more than twenty percent (20%) of the total number of lots; accurate for a maximum of two purificance maintains and the observation of a set of the set of the |
| | | | | | (iv) provide for a maximum of two auxiliary unit lots adjoining or within 20m of each other, and provide a minimum 100m separation to any other auxiliary unit lot in the same street; and |
| | | | | | (v) are provided to ensure that the overall residential density within the reconfiguration is consistent with that intended for the locality. |



122 Contraction

| Lot 1 | Туре | Lot Size | Frontage | | Special Characteristics |
|-----------------------|-----------|--------------------|----------|--|--|
| (7) Dua Occ Lot | cupancy | 800m ² | 20m | (d) All dual occupancy lots are to have frontage and dimensions taking into account setback requirements, landscaping, carparking, recreation areas and other design criteria outlined in the applicable Zone Code and the Residential Code. | |
| | | | | (e) | These lots are undesirable within Township Areas as sewerage is not available. |
| | | | | (f) | Dual Occupancy lots are desirable as corner lots. |
| | | | | (g) | Dual Occupancy lots are to be nominated at the time of reconfiguration approval. |
| | | | | (h) | For any stage of a reconfiguration in the Large Lot Residential Zone, Residential Low Density Zone, Character Areas - Housing Zone (Sub Area CHL), Future Urban Zone, Special Opportunity Zone, Township Residential Zone and the Township Character Housing Zone, Dual Occupancy lots - |
| | | | | | (i) do not dominate the reconfiguration pattern; |
| | | | | | (ii) are dispersed throughout, rather than concentrated in, any stage of a reconfiguration; |
| | | | | | (iii) do not occupy more than twenty percent (20%) of the total number of lots; |
| | | | | | (iv) provide for a maximum of two dual occupancy lots adjoining or within 20m of each other, and provide a minimum 100m separation to any other dual occupancy lot in the same street; and |
| | | | | | (v) are provided to ensure that the overall residential density within the reconfiguration is consistent with that intended for the locality. |
| () | sidential | 1500m ² | 25m | (a) Lot size and dimensions are to be commensurate with the anticipated density of development taking into account height and setback requirements, landscaping, carparking, recreation areas and other like design criteria outlined in the applicable Zone Code and the Residential Code. | |
| | | | | (b) | These lots are undesirable within Township Areas as sewerage is not available. |

APPENDIX B: COMMERCIAL OR INDUSTRIAL LOT SIZE, FRONTAGE AND SPECIAL CHARACTERISTICS

| | Lot Type | Lot Size | Frontage | | Special Characteristics |
|-----|--|----------|----------|-----|--|
| (1) | Commercial Lots | | | (a) | Lot size, frontage and dimensions are commensurate with the particular commercial use proposed, taking into account the commercial strategy for the locality, height and setback requirements, landscaping, carparking and other like design criteria outlined in the applicable Zone Code and the Commercial and Industrial Code. |
| | | | | (b) | Hatchet lots are undesirable. |
| (2) | Mixed Business and Industry Lots | 1000m² | 20m | (a) | All mixed industry/business lots have adequate dimensions to ensure that any proposed use complies with the siting and design requirements outlined in the applicable Zone Code and the Commercial and Industrial Code. |
| | | | | (b) | Hatchet lots are undesirable. |
| (3) | Industrial Lots | 2000m² | 40m | (a) | All industrial lots have adequate dimensions to ensure that any proposed use complies with the siting and design requirements outlined in the applicable Zone Code and the Commercial and Industrial Code. |
| | | | | (b) | Hatchet lots are undesirable. |



APPENDIX C: CLASSIFICATION OF RESIDENTIAL AND INDUSTRIAL STREETS ⁽¹⁾

| S | treet Level/Type and Function | Maximum Design Speed (km/h) | Indicative Traffic Volume (vpd)* |
|---|---|--------------------------------|-------------------------------------|
| Access Place** | (Residential) | 30 | <300 |
| | ('Large Lot' Residential) | 45 | |
| The lowest order of street prov other streets. | iding access to sites without any traffic generated by sites in | | |
| Access Street** | (Residential) | 30 | <750 |
| | ('Large Lot' Residential) | 45 | |
| | reets where the residential environment is dominant, traffic is a are low and pedestrian and cycle movements are facilitated. | | |
| Collector Street | (Residential) | 40 | <3,000 |
| | ('Large Lot' Residential) | 60 | <2,400 |
| A reasonable level of residentia volumes and vehicle speeds. | ffic from access streets and carries higher volumes of traffic. al amenity and safety is maintained by restricting traffic Vehicle speeds are controlled by street alignment, ne cases, by speed control measures. | | |
| Local Industrial Street | (Industrial) | 60 | <3,200 *** |
| lots and on-street parking. Bee | the function of providing for moving traffic, access to or from cause the street alignment is largely dictated by lot caused by square or rectangular lots) the traffic function of the ses and on-street parking. | | |
| Major Collector Street | (Residential) | 60 | <10,000 |
| Internal Connecting Road | ('Large Lot' Residential) | 60 | <5,000 |
| direct frontage access to Major frontage access may be accep shopping centres. The Interna | he Collector Street with the road system. There is to be no Collector Streets for residential lots, although, direct table for multiple residential development, schools or I Connecting Road links the 'large lot' residential ad system. There is to be no direct frontage access to arge lot' residential lots. | | |
| Industrial Collector | (Industrial) | 60 | <12,000 |
| volumes of traffic. The Industri system. At any point where the be no direct frontage access an | s traffic from local industrial streets and carries higher ial Collector connects the Industrial Estate with the road e capacity of the Industrial Collector is exceeded, there is to nd the street is to be reclassified as part of the road system, ependent upon traffic volumes and function. | | |

* The indicative traffic volume is a target maximum volume which may be exceeded in a few cases where it can be demonstrated that there are significant diseconomies or design issues which should be taken into account.

** For residential development, the difference between Access Places and Access Streets is in 'form' rather than 'function' and the design criteria are the same for both streets (e.g. an access place is a single cul-de-sac whereas an access street is a 'stem' from which branches two or more culs-de-sac or a 'loop' street.

*** Based on 400 vpd per hectare.

⁽¹⁾ There is no classification system for Commercial Streets as 'Commercial Estates' are uncommon and access to Commercial Developments is either via the industrial street system or Designated Roads.



APPENDIX D: RESIDENTIAL STREETS 'SUMMARY OF PROBABLE SOLUTIONS'

| Street Design Criteria | Lot Frontage Laneway | Access Place / Access Street | Collector Street | | Major Colle | ector Stree | t | |
|---|-------------------------------|---------------------------------|---|--------------------------|-------------|-------------|---------|--|
| Primary Function | | | mobility | | | | | |
| Maximum Traffic Catchment (lots) (2) | 5 | 75 | 300 | 500 | | 1, | 1,000 | |
| Maximum Traffic Usage (vpd) (3) | 50 | 750 | 3,000 | 5,0 | 000 | 10 | ,000 | |
| Maximum Speed Environment (4) | 30 | 40 | 40 | | 60 | (6) | | |
| Geometric Design Speed & Sight Distances (km/h) (485) | 40 | 50 | 50 | | 60 | (6) | | |
| Direct Driveway Access | | yes | | у | es | r | 10 | |
| Reserve Width (metres) (7) | 10.0 | 16.0 | 17.0 | 21.0 | 25.5 | 19.0 | 24.5 | |
| Carriageway Width (metres) (8) | 5.5 | 8.0 | 8.5 | 12.0 | 2 x 6.0 | 9.0 | 2 x 5.0 | |
| Marked Traffic Lane Width (metres) | | na | | 3 | .2 | 3.0 | 3.5 | |
| Median Width (metres) | | na | | na | 4.5 | na | 4.5 | |
| Parking Lane Width (9) | | 2.8m na | | | na | | | |
| Cycle Lane | | na | | 2.8m ⁽¹⁰⁾ 1.5 | | .5 | | |
| Bus Stops (11) | no yes | | | yes | | | | |
| Bus Shelters (11) | I | no | no | yes | | | | |
| Indented Bus Bays (11) | I | na | yes | no yes | | es | | |
| Minimum Verge Width (metres) (12) | 1.5 | 4.25 | 4.25 | 4 | .5 | 5 | i.0 | |
| Kerb Type (14) | barrier | mountable (13)(14) | mountable (14) | mount | able (14) | ba | rrier | |
| Pathway Provision (15) | no | one-side | one side (20) | both sides | | sides | | |
| Pathway Width (metres) | na | 1.5 | 2.0 | 2.0 | | | | |
| Pedestrian Refuge Islands | no | no | no | yes | | | | |
| Maximum Grade <i>(%)</i> (16)(19) | na | 12% (17) | 12% ⁽¹⁷⁾ (6% if bus route) ⁽¹⁷⁾ | | 6% | , (18) | | |
| Carriageway Crossfall | One Way Min 2.5% Max 4% | Two Way 3% | Two Way 3% | | Two W | /ay 3% | | |

Notes:

- Difference is in 'form' rather than 'function' and the design criteria are the same for both streets (e.g. an access place is a single cul-de-sac whereas an access street is a 'stem' from which branches two or more culs-de-sac or a 'loop' street).
- Based on a traffic generation rate of ten vehicles per day per single residential lot.
- Traffic volumes for other land uses are to be calculated in accordance with the latest version of the NSW Roads & Traffic Authority's Guide to Traffic Generating Developments.
- 4. The desired maximum speed environment shall be maintained by limiting the length of straight roads. Straight lengths of road shall be separated with appropriately designed intersections, horizontal curves or speed control devices, such as roundabouts or local area traffic management measures.
- 5. The design speed is a selected speed used to determine the design parameters for a new road or street including vertical alignment, sight distances and the location of intersections and major access driveways. The Austroads Publications are to be used as the reference in determining these design parameters.
- 6. Posted / signed speed limit.
- Road reserves may need to be wider at and on the approach and departure of intersections and wider where indented bus bays are provided to ensure adequate average verge widths are met.
- 8. The carriageway width is measured between channel inverts.
- 9. Where lot frontages are 17m or above, parking can be accommodated on carriageway. Where lot frontages are less than 12m special design measures (e.g. off-carriageway parking, rear garages, widening carriageway to three lanes) are required to provide for adequate parking, passing and lot access.
- Shared with the parking lane ('Bicycle Awareness Zone'). Involves the placement of a yellow bicycle symbols on the edge line at regular intervals.
- 11. Bus stops and associated infrastructure including indented bus bays are to meet the design requirements of Translink. Bus stops are to be generally

located to ensure 90% of lots are within 400 metres walking distance of a bus stop.

- 12. Each verge must be of sufficient width to accommodate relevant services, landscaping and, unless other noise attenuation methods are used, to ensure a total setback to residential dwellings that satisfies the traffic noise exposure levels. At least one verge must address the minimum width (4.25m). The verge on the opposite side of the carriageway may be narrower in width (ie 3.75m).
- 13. Council may consider an alternative kerb type profile to M1 where the road reserve width is sufficient to achieve the minimum verge width and carriageway width, (eg within an existing road reserve which exceeds 16m in width in the Large Lot Residential Zone).
- 14. The kerb type for infill development is to match the existing connecting road kerb profile, unless another kerb type is required for a particular purpose. Barrier kerbs are preferred adjacent to public reserves and when needed for drainage. Concrete kerb and channel shall be provided on both sides of all residential streets.
- 15. Street lighting and other appropriate community facilities (e.g. bus stops) are to be coordinated with footpaths. Footpaths are to be located in the position determined by Ipswich City Council.
- 16. The desirable maximum grades are to be considered the maximum for normal design purposes. Water shedding from pavement surfaces on steep straight grades shall be examined in the design process.
- 17. Short lengths (maximum 125 metres) of roadway with a grade between 12% and 16% are acceptable (on non-bus routes).
- Short lengths (maximum 125 metres) of roadways located on a bus route with a grade between 6% and 10% are acceptable.
- Grades greater than 12% require special design considerations for pedestrians, cyclists, refuse vehicles and street layout (e.g. grade on curves, grade for turning vehicles at the street turning head).
- A 1.5 metre wide pathway may also be required on the other side of the street (in addition to the 2.0 metre wide pathway) in areas of high pedestrian demand.

APPENDIX E: 'LARGE LOT' RESIDENTIAL STREETS 'SUMMARY OF PROBABLE SOLUTIONS'

| Street Design Criteria | Access Place (1) and Access Street (1) | Collector Street | |
|-----------------------------|---|--|--|
| Traffic Catchment (max) | refer to note (2) | 240 lots (3) | |
| Traffic Volume (max) | refer to note (4) | 2 400 vpd (4) | |
| Design Speed (max) | 45 km/h | 60 km/h | |
| Street Length (max) (5) | 1 200m | 800m (2 000 m total) | |
| Carriageway | | | |
| • lanes | • 2 | • 2 | |
| • width (6) | • 6.0m | • 7.5m | |
| • provision for passing (6) | not required | not required | |
| Verge Width (min) (7) | • 5.0m | • 5.0m | |
| Reserve Width (8) | 20.0m | 20.0m | |
| Kerb Type (9) | mountable | mountable | |
| Footpaths/cyclepaths (10) | Footpath one side. Street lighting and other appropriate community facilities (e.g. bus stops) are to be coordinated with footpaths. Footpaths are to be located in the position determined by the Local Government. | Footpath one side, cyclepath on carriageway. Street lighting and other appropriate community facilities (e.g. bus stops) are to be coordinated with footpaths. Footpaths are to be located in the position determined by the Local Government. | |
| Parking | No provision (11) | No provision | |
| Grade | | | |
| desirable maximum | • 16% (12) | • 16% (12) | |
| • minimum | • 0.3% | • 0.3% | |
| Sight Distance | 70m | 110m | |
| (general minimum) | | | |
| Carriageway Crossfall | Two Way | Тwo Way | |
| | Min 1:40 | Min 1:40 | |
| | Max 1:25 | Max 1:25 | |
| Provision for Bus Routes | Not required | No special provision | |

Notes:

- Difference is in 'form' rather than 'function' and the design criteria are the same for both streets (e.g. an access place is a single cul-de-sac whereas an access street is a 'stem' from which branches two or more culs-de-sac or a 'loop' street.
- 2. Maximum street length will normally be the practical limitation for traffic catchment. Refer to Section 8.5 of Queensland Streets 1998 Edition.
- 3. May be increased by widening Street Reserve in accordance with Tables 8.5B and 8.5C of Queensland Streets 1998 Edition.
- Based on 10 vpd per single residential lot and refer to Section 8.5 of Queensland Streets 1998 Edition.
- Maximum street lengths are inter-dependent. Essential criteria is maximum total travel time 180 seconds (Refer to Section 8.4 'Traffic Speed' of Queensland Streets 1998 Edition).
- 6. The carriageway width is measured between channel inverts.
- 7. Each verge must be of sufficient width to accommodate relevant services, landscaping/retention of existing vegetation and, unless other noise attenuation methods are used, to ensure a total setback to residential dwellings which satisfies the traffic noise exposure levels. A minimum width of 2.5m, with maximum crossfall of 1 in 8, behind the kerb over the majority of the street length is required for informal parking. Also, the minimum verge widths apply after satisfying the other criteria within this Appendix and other site-specific requirements.
- Additional width may be necessary to fulfil specific outcomes of the verge and/or increased traffic volumes on Collector Streets (refer to Note 3).

- 9. The kerb type for infill development is to match the existing connecting road kerb profile, unless another kerb type is required for a particular purpose. Barrier kerbs are preferred adjacent to public reserves and when needed for drainage. Concrete kerb and channel shall be provided on both sides of all 'Large Lot' Residential Streets and in certain circumstances on Internal Connecting Roads (e.g. Steep grades).
- 10. Typical only varies with pedestrian/cyclist network planning. Additional footpaths may be required in areas where–
 - access places or streets lead to an attraction/destination that would encourage greater than normal pedestrian traffic or where characteristics of the land require the construction of footpaths on both sides of the street; and
 - (b) collector streets may require footpaths on both sides where traffic volumes are such that it is dangerous to encourage children to cross the collector street, or near the entry to estates or where the street leads to an attraction/destination that would encourage greater than normal pedestrian traffic or where characteristics of the land require the construction of footpaths on both sides of the street. NB: All footpaths are to be a minimum of 1.5m in width and dual use paths are to be a minimum of 2.0m in width.

Nr_

- 11. Parking Bays may be required at cul-de-sac heads if narrow lot frontages or topography inhibits parking within lots.
- Absolute maximum 20% where no reasonable alternative demonstrably exists and limited generally to 100 metre sections.

APPENDIX F: MULTIPLE RESIDENTIAL DEVELOPMENT STREETS 'SUMMARY OF PROBABLE SOLUTIONS' ⁽¹⁾

| Street Design Criteria | Access Place ⁽²⁾ and Access Street ⁽²⁾ | Collector Street | |
|--|--|-----------------------------------|--|
| Traffic Catchment (max) (3) | 450 dwelling units | 450 dwelling units ⁽⁴⁾ | |
| Traffic Volume ⁽⁵⁾ | 3 000 vpd | 3 000 vpd ⁽⁴⁾ | |
| Design Speed (max) | 30 km/h ⁽⁶⁾ | 40 km/h | |
| Carriageway (7) | | | |
| moving lanes (two) | • 5.5m | • 6.4m | |
| Parking lanes (each) | • 2.25m | • 2.8m | |
| Verge Width ⁽⁸⁾ | | | |
| Minimum | • 3.0m ⁽⁹⁾ | • 4.5m ⁽⁹⁾ | |
| Average | • 4.5m | • 5.0m | |
| Reserve Width ⁽⁸⁾ | 19.0m ⁽¹⁰⁾ | 21.0m ⁽¹⁰⁾ | |
| Kerb Type (11) | mountable | mountable | |
| Footpaths/cyclepaths (12) | Footpaths both sides (13) | Footpaths both sides | |
| Pathway Width (metres) | 1.5m | 2.0m | |
| Parking ⁽¹⁴⁾ | Carriageway | Carriageway | |
| Grade ⁽¹⁵⁾ | | | |
| desirable maximum | • 12% | • 6% | |
| • minimum | • 0.30% | • 0.30% | |
| Sight Distance | 40m | 60m | |
| (general minimum) | | | |
| Carriageway Crossfall | Two Way | Two Way | |
| | Min 1:40 | Min 1:40 | |
| | Max 1:25 | Max 1:25 | |
| Provision for Bus Routes | Not required | Defined bus-bays and shelters | |

Notes:

- 1. Criteria for Major Collector Streets as set out in Appendix D.
- 2. Difference is in 'form' rather than 'function' and the design criteria are the same for both streets (e.g. an access place is a single cul-de-sac whereas an access street is a 'stem' from which branches two or more culs-de-sac or a 'loop' street). The different traffic design criteria for multiple residential streets results in there being less distinction in geometric design characteristics between Access Streets and Collector Streets. The "Collector Street" in this context is an identified potential bus route, and it is this factor rather than the lot layout which determines its design criteria and which distinguishes a Collector Street from an Access Street.
- Based on 6.5 vpd per single dwelling unit. Traffic generated for other uses are to be assessed in accordance with Section 2.2 of Queensland Streets.
- 4. May be exceeded if the location and design of buildings is controlled to ensure acceptable traffic noise levels at the buildings and parking and access are specifically designed in accordance with Sections 10.5 and 10.9 of Queensland Streets 1998 Edition.
- 5. Traffic Volumes to be calculated in accordance with Tables 2.2E and 2.2F of Queensland Streets 1998 Edition.
- 40 km/h in special circumstances (refer to Section 10.4 of Queensland Streets 1998 Edition).
- Refer to Section 10.6 of Queensland Streets 1998 Edition. Angle parking bays to be in accordance with Figures 10.6.B and 2.4G and Section 10.5 of Queensland Streets 1998 Edition.
- 8. Each verge and street reserve must be of sufficient width to accommodate relevant services, footpaths, landscaping and, unless other noise attenuation methods are used, to ensure a total setback to dwellings which satisfies the traffic noise exposure levels. Also, the average verge and reserve widths apply after satisfying the other criteria within this appendix and other site-specific requirements.

- 9. Increase to 3.5 metres if no parking adjacent (refer to Section 10.7 of Queensland Streets 1998 Edition).
- 10. Indicative only, actual width required varies with parking configuration.
- 11. The kerb type for infill development is to match the existing connecting road kerb profile, unless another kerb type is required for a particular purpose. Barrier kerbs are preferred adjacent to public reserves and when needed for drainage. Concrete kerb and channel shall be provided on both sides of Multiple Residential Development Streets.
- 12. On Major Collector Streets or identified cycle routes, a Dual Use Path within the verge will be required.
- 13. Possibly one side only, where traffic catchment is less than 50 dwelling units and the access place or access street does not lead to an attraction/destination that would encourage greater than normal pedestrian traffic. NB: Street lighting is to be located on that side of the street coincident with the location or planned location of the footpath.
- 14. Refer to Section 10.5 of Queensland Streets 1998 Edition. The minimum number of on-street parking spaces to be in accordance with Table 10.5.B of Queensland Streets 1998 Edition.
- 15. Grades greater than 12% require special design considerations for pedestrians, cyclists, garbage trucks and street layout (e.g. grade on curves, grade for turning vehicles at the street turning head). Short lengths for bus routes at 10% are acceptable. The desirable maximum grades are to be considered the maximum for normal design purposes. Water shedding from pavement surfaces on steep straight grades shall be examined in the design process.



APPENDIX G: INDUSTRIAL STREETS 'SUMMARY OF PROBABLE SOLUTIONS'

| Street Design Criteria | Local Industrial Street | Industrial Collector |
|-----------------------------|---|---|
| Traffic Catchment (max) | 8ha (1) | 30ha (1) |
| Traffic Volume (max) | 3,200 vpd (1) | 12,000 vpd (1) |
| Design Speed (max) | 60 km/h (2) | 60 km/h |
| Carriageway | | |
| moving lanes | 2 x 3.5m | 2 x 3.5m |
| • parking lanes(3) | 2 x 2.5m | 2 x 3.5m |
| • total width (4) | 12.0m | 14.0m |
| Verge Width (5) | | |
| • minimum | 4.0m | 4.0m |
| Reserve Width (average) (5) | 20.0m | 22.0m |
| Kerbing (6) | Barrier type | Barrier type |
| Footpaths/cyclepaths (7) | Footpath or dual use path one side (see note 7). Footpath to be coordinated with street lighting. | Footpath or dual-use paths both sides. Footpath to be coordinated with street lighting. |
| Grade | | |
| desirable maximum | 6% | 6% |
| • minimum | 0.30% | 0.30% |
| Sight Distance | | |
| • (general minimum) | 110m | 110m |
| Carriageway Crossfall | Тwo Way | Two Way |
| | Min 1:40 | Min 1:40 |
| | Max 1:33 | Max 1:33 |
| Provision for Bus Routes | Not required | Bus stops and shelters |

Notes:

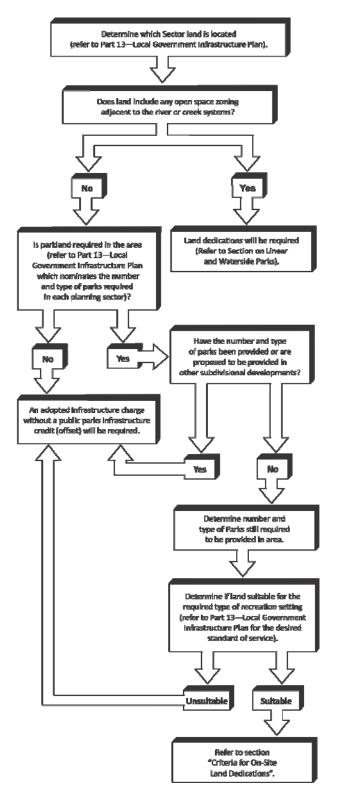
- Traffic Volumes calculated in accordance with the generation rates outlined in Section 9.4 of Queensland Streets 1998 Edition and the methods used in Section 2.2 of Queensland Streets 1998 Edition.
- 2. May be reduced to 30 km/h in special circumstances. Refer to Section 9.5 of Queensland Streets 1998 Edition.
- 3. Refer to Section 9.6 of Queensland Streets 1998 Edition.
- 4. The carriageway width is measured between channel inverts.
- Additional verge and reserve width required for footpaths/cyclepaths. Each verge must be of sufficient width to accommodate relevant services and landscaping. Also, the reserve widths apply after satisfying the other criteria within this Appendix and other site-specific requirements.
- 6. The kerb type for infill development is to match the existing connecting road kerb profile, unless another kerb type is required for a particular purpose. Concrete kerb and channel shall be provided on both sides of all industrial streets.
- 7. Typical only varies with pedestrian/cyclist network planning.

APPENDIX H: LAND DEDICATIONS FOR PUBLIC PARKS

1. Introduction

- The Open Space System (both existing and future) within Ipswich City has been reviewed as part of the Ipswich Public Parks Strategy.
- (2) This study has been adopted by Council and provides the basis for the future open space system. Descriptions of the type of public parks infrastructure to be provided in the City is outlined in Part 13—Local Government Infrastructure Plan.
- (3) Where a developer dedicates or embellishes (with Local Government approval) part of the adopted open space system, an infrastructure credit (offset) will apply as outlined in the Ipswich Adopted Infrastructure Charges Resolution.
- (4) For commercial and industrial subdivisions, the provision of open space will generally be limited to Town Centre Parks, plazas and squares etc to be provided in the proposed Town Centres.
- (5) Details of these open space areas (both public and private) are to be outlined in the Town Centre Concept Plans.
- 2. Applicability of this Appendix
- (1) This Appendix should be used where land the subject of an application for the reconfiguration of a lot—
 - includes public parks infrastructure identified in Part 13—Local Government Infrastructure Plan;
 - (b) includes land the subject of a Town Centre Concept Plan.
- (2) Not all subdivisional development will be expected to include open space.
- (3) In some cases the applicant's open space obligation will be met wholly by the payment of an adopted infrastructure charge, rather than by dedication of any land or embellishment of open space.
- (4) On the other hand, where land is required to be dedicated for open space the applicant shall be entitled to infrastructure credit (offset) as outlined in the Ipswich Adopted Infrastructure Charges Resolution.
- (5) As an aid in determining whether parkland dedications may be required the following flow chart can be used.

Figure 1: Flow Chart for Parkland Dedications





- 3. Criteria For On-Site Land Dedication
- (1) Prior to considering any land dedications for public parks infrastructure, the proposed parkland is to be assessed for its appropriateness for its designated purpose (i.e. Level and Recreational Setting).
- (2) Land dedications should satisfy the provisions of Part 13—Local Government Infrastructure Plan relating to quantity, quality, flexibility and equity of distribution along with the following site specific characteristics—
 - (a) area and shape;
 - (b) topography;
 - (c) recreation opportunity (In this regard high priority should be given to those settings that have the potential to provide the broadest use and participation, i.e. unstructured recreation, without excluding the interests of the more specialist activities and settings);
 - (d) sensitivity scenic, environmental or cultural (where culturally significant sites are potentially available, a high priority will be given to incorporating the recorded sites within the open space system);
 - (e) encumbrances such as flood susceptibility, services easements etc;

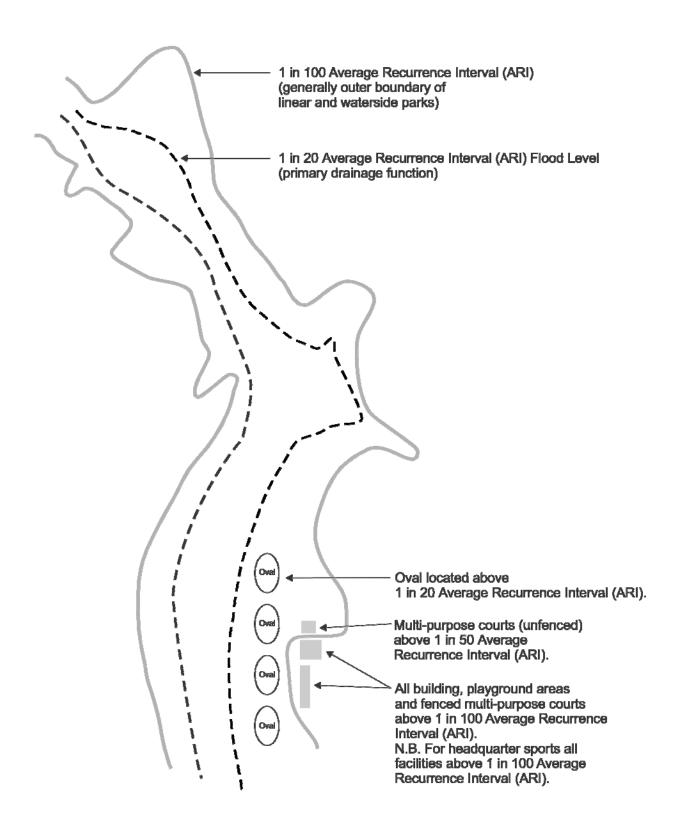
- (f) flexibility (i.e. whether the area has a high potential for a multiple use function, for example, highly managed settings such as Sportsgrounds/Courts which can be integrated with more informal settings such as Linear Parkland and Recreation Parks);
- (g) value as a link or consolidation mechanism;
- (h) access (including barriers to access); and
- (i) safety (including casual surveillance and uses on the border of, or adjacent to, the site).
- 4. Linear and Waterside Parks
- In those lot reconfigurations adjoining a river or creek system where it is proposed that linear or waterside parkland be secured, land dedications are to be provided.
- (2) The linear open space (which may be developed or left undeveloped) will generally connect with the larger waterside parks (i.e. Citywide and District facilities) in addition to forming greenways along the urban creeks.
- (3) Depending on the size of the linear or waterside park and its location it may be possible to integrate other recreational settings within the park boundary.
- (4) In these instances, the parameters as set out in Table 1 below generally apply—

| Recreational Setting | Level | Flood Level Criteria |
|-----------------------------|--------------------|---|
| Sportsgrounds and Courts | Headquarter Sports | Not recommended below 1 in 100 Average Recurrence Interval (ARI). |
| | Citywide and Local | All fields above 1 in 20 Average Recurrence Interval (ARI), multi-purpose courts (unfenced) above 1 in 50 Average Recurrence Interval (ARI), all buildings, playground areas or fenced multi-purpose courts above 1 in 100 years Average Recurrence Interval (ARI). |
| Recreation Parks | Citywide | All buildings and playground areas above 1 in 100 years Average Recurrence Interval (ARI). |
| | District | All buildings and playground areas above 1 in 100 years Average Recurrence Interval (ARI). |
| | Local | All buildings and playground areas above 1 in 100 years Average Recurrence Interval (ARI). |

Table 1: Flood Level Parameters for Integration with Linear and Waterside Parks

Citywide = Level 1, District = Level 2 and Local = Level 3.

Figure 2: Schematic Layout of Planning Criteria for Linear and Waterside Parks





- 5. Open Space Works and Requirements for On-Site Land Dedications
- Prior to accepting land dedications for open space, certain works may be required to be undertaken in open space areas, where appropriate.
- (2) For the types of parks and reserves noted in Table 2 below (residential development only) these are only preliminary works necessary to ensure that the land is useable for its intended purpose, and are not open space embellishments.
- (3) For the Town Centre Parks, Plazas and Squares and for the Linear and Waterside Parks, the preliminary works will be outlined in the development approval, based on the desired standard of service outlined in Part 13—Local Government Infrastructure Plan and Planning Scheme Policy 3—General Works.
- (4) These and any additional preliminary works are to comply with Planning Scheme Policy 3—General Works.

Table 2: Preliminary Works Required for Certain Public Parks Infrastructure (residential development only)

| Type of Open Space | Minimum Required Works | | |
|---|------------------------|--|--|
| Sportsgrounds and Courts Recreation Parks | (1) | Each park is to be of dimensions and have a topography suitable for its intended use and there must be carried out free of cost to the local government any earthworks or other works necessary in that regard. | |
| | (2) | Each park is to be selectively cleared and grassed, with declared environmental weeds removed, together with any rubbish and dangerous trees, and such other works as may be reasonably necessary to protect the park from erosion and other environmental degradation is to be carried out free of cost to the local government. | |
| | (3) | Each park is to have direct physical access to a constructed road of the category nominated in Part 13—Local Government Infrastructure Plan and Planning Scheme Policy 3— General Works for the relevant recreational setting and any work necessary in this regard is to be carried out free of cost to the local government. | |

- 6. Time for Land Dedication
- (1) As a condition of any development approval, land for open space may be required to be dedicated (and be so indicated on the Plan of Subdivision).
- (2) The time in which such land is to be dedicated should be nominated in the conditions of approval.
- (3) Generally it will be at the time of registration of a Plan of Subdivision for any part of the land adjoining the park to be dedicated.
- (4) However, for staged subdivisions, land for open space to be dedicated in later stages may be required to be transferred to the local government (to be held in trust) at the time the local government endorses Stage 1 of the Plan of Subdivision.
- (5) The transfer is to include the provision of any access easements to the proposed open space.
- (6) In general, the lands held in trust will be expected to be prepared in accordance with the minimum required works outlined in the table above or in the conditions of the development approval, as the adjacent development stages proceed.

APPENDIX I: RURAL LOT TYPES, SIZE, FRONTAGE AND SPECIAL CHARACTERISTICS

| Lot Type | Lot Size | Frontage | | Special Characteristics | | | | | |
|---|---|--|---|--|----------------------------------|----------------------------------|----------------------------------|--|---|
| (1) Rural Producers | ducers 100ha (dairy 500m (where | | (a) | | | | | | |
| Lots NOTE 1 Rural Producers Lots can be created via two (2) | farming) | created as one (1) undivided lot), otherwise 200m where created as an amalgam of lots | | at least 20% of the farm holding contained within the Rural A (Agricultural) Zone with most of the balance area having land suited to improved pastures (i.e. class C1 land as identified on Map 5 in Schedule 7); and | | | | | |
| methods, as either one (1) undivided lot or as an amalgam of separate lots. | | | a reliable irrigation water supply either as part of a regulated section (e.g. Warrill Creek) or supplementary irrigation system from the river and creek systems or associated aquifers. | | | | | | |
| | | | (b) | Where a proposed dairy farming lot does not include any or only minimal rural agricultural zoned land, the minimum lot size is to be increased to 150 hectares provided most of the land is suited to improved pastures (i.e. class C1 land as identified on Map 5 in Schedule 7). | | | | | |
| | | | (c) | The area of any land included in the Rural D (Conservation) Zone is not to be included in the area calculations for a proposed dairy farming lot. | | | | | |
| br | 140ha (cattle breeding / fattening) | 600m (where created as one (1) undivided lot), otherwise 200m where created as an amalgam of lots | (a) | All cattle breeding/fattening farms are to have at least 40% of the property holding contained within the Rural A (Agricultural) Zone or have most of the land suited to improved pastures (i.e. class C1 land as identified on Map 5 in Schedule 7). | | | | | |
| | | | (b) | Where a proposed cattle breeding/fattening property does not include any or only minimal rural agricultural zoned or improved pasture land, the minimum lot size is to be increased to 250 hectares. | | | | | |
| | | (c) | The area of any land included in the Rural D (Conservation) Zone is not to be included in the area calculations for a proposed cattle breeding/fattening lot. | | | | | | |
| | 60ha (small crops | 400m (where | (a) | All small crop (irrigated) farms are to have— | | | | | |
| | - irrigated) created as one (1) undivided lot) otherwise 200m where created as an amalgam of lots | undivided lot) otherwise 200m | undivided lot) otherwise 200m | undivided lot) otherwise 200m | undivided lot) otherwise 200m | undivided lot) otherwise 200m | undivided lot) otherwise 200m | | at least 20 hectares of the property holding containing land suited to high value crop farming (class A land as identified on Map 5 in Schedule 7); and |
| | | | a reliable irrigation water supply either as part of a regulated section (e.g. Warrill Creek) or supplementary irrigation system from the river or creek systems or associated aquifers. | | | | | | |
| | | | | For 'other' agricultural/pastoral uses there are no recommended probable solutions as each use will require an individual approach. | | | | | |
| | | | (b) | Any proposals for 'other' agricultural/pastoral uses are to be assessed taking into account— | | | | | |
| | | | | (i) the property holding (size) requirements and land types of similar operations located within the City and elsewhere; | | | | | |
| | | | | the proposed farm management plan (including land resource assessment); | | | | | |
| | | | | (iii) any requested advice regarding SPP 1/92 and associated Guidelines from the Department of Natural Resources and Mines. | | | | | |



| | Lot Type | Lot Size | Frontage | Special Characteristics | | |
|-----|---------------------------------|----------------------------------|--|--|-----------------|--|
| (2) | Farm | 20ha | 200m | (a) The excised lot— | | |
| | Restructuring Lots | | | | (i) | is to be zoned Rural A (Agricultural) or Rural B (Pastoral); |
| | LUIS | | | | (ii) | is, where practicable, not to further fragment land within the Rural A (Agricultural) Zone; |
| | | | | | (iii) | is to be 'amalgamated' or 'consolidated' with an adjoining or nearby farm or property holding; and |
| | | | | | (iv) | is not to contain a dwelling entitlement. |
| | | | | (b) | The | balance or remaining lot or holding is to— |
| | | | | | (i) | contain a minimum area not below the size for the appropriate type of rural producers lot if contained with the Rural A (Agricultural) or Rural B (Pastoral) Zones unless it is to be 'amalgamated' or 'consolidated' with an adjoining or nearby farm or pastoral holding; or |
| | | | | | (ii) | be wholly contained within the Rural D (Conservation), Rural C (Rural Living) or Rural E (Special Land Management) Zones. |
| | | | | (c) | | property holding which is to receive the excised lot is to a rural occupation or rural pursuit carried out on the land. |
| | | | | (d) | For a | any 'consolidated' farm restructuring, the lots- |
| | | | | | (i) | are to be held in common ownership; and |
| | | | | | (ii) | not be capable of separate disposal by virtue of the Plan of Subdivision recording the various parts of the farm holding as one (1) land title (refer to the Land Titles Act). |
| (3) | Rural Support Activities Lot | 4000m ² or greater | 40m, provided the dimensions do not | (a) | All Io site. | ts are capable of disposing sewage and domestic waste on |
| | | | exceed a 1:4 width to length of lot ratio | NOTE 2 For further information about requirements for on-site effluent treatment and disposal, refer to Plumbing and Drainage Act 2002 and the Queensland Plumbing and Wastewater Code. | | |
| | | | | | | al, refer to Plumbing and Drainage Act 2002 and the |
| | | | | (b) | | proposed lot— |
| | | | | . , | (i) | is to be zoned Rural B (Pastoral); |
| | | | | | (ii) | is, where practicable, not to further fragment land suited to improved pastures (i.e. Class C1 land as identified on Map 5 in Schedule 7); |
| | | | | | (iii) | is to have an area, frontage and dimensions to accommodate the use outlined in the Local Government's development approval; |
| | | | | | (iv) | is not to contain a dwelling entitlement; |
| | | | | | (v) | is not in itself to create a balance or residual lot or holding below the size for the appropriate type of rural producers lot unless the balance or residual lot is to be 'amalgamated' or 'consolidated' with an adjoining or nearby farm or pastoral holding. |



Ipswich Planning Scheme

| This category of lot—Murrea, Mt Marrow and Ironbark)exceed a 1:4 width to length of lot ratio(a)can only be created in the Rural C (Rural Living) Zone; andMarrow and Ironbark)is to be compatible with/or similar size within the area, irrespective of size.(b)is subject to there being no net increase in the amount of additional rural lots created within the rural locality; andSha (with the localities of Pine Mountain, Marburg and Tallegalla)Sha (with the localities of Pine Mountain, Marburg and Tallegalla)NOTE 4(c)may involve the 'amalgamation' or 'consolidation' ofMarrow and Ironbark)In relation to (iii) above, if, for example the minini locality is 6ha but an area within the locality has size of 10ha then the lot size for any reconfigura to be 10ha.(c)may involve the 'amalgamation' or 'consolidation' ofIn the same capable of disposing sewage on site.(c)Where the proposed lot has a slope in ex- (i)c)(c)Where the proposed lot has a slope in ex- (i) | Lot Size Frontage Special Characteristics | Lot Size | Lot Type | |
|--|---|--|---|---------------------|
| NOTE 3 Muirlea, Mt This category of lot— (a) can only be created in the Rural C (Rural Living) Zone; and (b) is subject to there being no net increase in the amount of additional rural locality; and (c) may involve the 'amalgamation' or 'consolidation' of (c) Where the proposed lot has a slope in existence of the target for the target | | | Rural Living Lots | (4) Ru |
| This category of lot—Marrow and Ironbark)to length of lot ratio(ii) is to be compatible with/or similar size within the area, irrespective or size.(a)can only be created in the Rural C (Rural Living) Zone; andMarrow and Ironbark)to length of lot ratio(ii) is to be compatible with/or similar size within the area, irrespective or size.(b)is subject to there being no net increase in the amount of additional rural lots created within the rural locality; and6ha (with the localities of Pine Mountain, Marburg and Tallegalla)6ha (with the localities of Pine Mountain, Marburg and Tallegalla)In relation to (iii) above, if, for example the minin locality is 6ha but an area within the locality has size of 10ha then the lot size for any reconfigura to be 10ha.(c)may involve the 'amalgamation' or 'consolidation' ofTallegalla)(b)All lots are capable of disposing sewage on site.(c)Where the proposed lot has a slope in ex (i)c)where the proposed lot has a slope in ex (i) | | | E 3 | NOTE 3 |
| Living) Zone; and locality of haigslea) haigslea)<td>- Marrow and Ironbark) to length of lot ratio (ii) is to be compatible with/or similar to the predominant lot size within the area, irrespective of the minimum lot</td><td>Marrow and Ironbark)</td><td>can only be created in</td><td>(a) can</td> | - Marrow and Ironbark) to length of lot ratio (ii) is to be compatible with/or similar to the predominant lot size within the area, irrespective of the minimum lot | Marrow and Ironbark) | can only be created in | (a) can |
| (b) a bollow to the bollow boll | and locality of NOTE 4 | locality of | | |
| (c) may involve the 'amalgamation' or 'consolidation' of Tallegalla) (c) Where the proposed lot has a slope in explored to the state of a | e in the litional6ha (with the localities oflocality is 6ha but an area within the locality has a predominant lot size of 10ha then the lot size for any reconfiguration within the area is | 6ha (with the localities of Pine Mountain, | no net increase in the amount of additional rural lots created within | no i ami rura |
| 'consolidation' of | Tallegalla) | | may involve the | (c) ma |
| (i) at least $600m^2$ of each latic to be | | | | |
| platform (measuring 10m by 15m) | on other (i) at least 600m ² of each lot is to be suitable for a building | | individual lots on other | indi |
| (i) rural producers buildings, the provision of private buildings, the provision of private space and convenient vehicle acc | buildings, the provision of private outdoor recreation space and convenient vehicle access and parking; and | | land; | |
| within the suitable to treat and dispose of eff development constraints and the Queensland Plumbing and and the Queensland Plumbing and | ints (ii) an additional area is to be available of reach not that is suitable to treat and dispose of effluent on-site in compliance with the Plumbing and Drainage Act 2002 and the Queensland Plumbing and Wastewater Code. | | within the development constraints | (ii) |
| overlays; (iji) land situated | NOTE 5 | | - | (:::) |
| (1) Lots requiring more than domestic type f | (1) Lots requiring more than domestic type foundation preparation | | within the Rural D | (111) |
| Rural E (Special Land (2) Building design for houses on lots with s 10% should incorporate provisions to average the changement) Management) techniques (e.g. utilise post supported st | (Special ement) (2) Building design for houses on lots with slopes in excess of 10% should incorporate provisions to avoid slab on ground techniques (e.g. utilise post supported structures). | | Rural E (Special Land Management) | |
| (iv) land containing the Future the Future the Cueensland Plumbing and | treatment and disposal, refer to Plumbing and Drainage Act 2002 and the Queensland Plumbing and Wastewater Code. | | (iv) land containing the Future | (iv) |
| Areas depicted in Map 2 in Schedula 7 | epicted in n standard, 6m front boundary setback) is feasible without involving the future purchasers in major earthworks for | | Areas depicted in Map 2 in | |



APPENDIX J: CLASSIFICATION OF RURAL STREETS

| Rural Street Level / Type and Function | Maximum Design Speed (km/h) | Indicative Traffic Volume (vpd)* |
|---|--------------------------------|-------------------------------------|
| Local Street | | |
| The lowest order of street providing access to sites without any traffic generated by sites in other streets. | 60 | <150 ** |
| Collector Street | | |
| The collector street collects traffic from local streets and carries higher volumes of traffic. A reasonable level of amenity and safety is maintained by restricting traffic volumes and vehicle speeds. | 60 | <1 000 ** |

* The indicative traffic volume is a target maximum volume which may be exceeded in a few cases where it can be demonstrated that to upgrade the street to the next level would create significant diseconomies or design issues.

** For the purpose of calculating indicative Traffic Volumes a generation rate of 6.0 trips per dwelling is to be used.



| Street Design Criteria | Local Street | Collector Street | |
|----------------------------------|------------------|------------------|--|
| Traffic Catchment (max) | 25 lots | 165 lots | |
| Traffic Volume (max) | 150 vpd (1) | 1 000 vpd (1) | |
| Design Speed (max) | 60 km/h | 60 km/h | |
| Carriageway— | | | |
| (a) lanes | 1 | 2 | |
| (b) width (2) | 4.0m | 6.0m | |
| (c) shoulder width | 2.0m (3) | 1.5 (3) | |
| Verge Width (min) (4) | 1.0m (5) | 1.0m (5) | |
| on fills | see note (6) | see note (6) | |
| in cuts | see note (6) | see note (6) | |
| Reserve Width (7) | 20.0m | 20.0m | |
| Kerbing | No provision (8) | No provision (8) | |
| Boundary clearance (minimum) (9) | 5.0m | 5.0m | |
| Grade— | | | |
| (a) desirable maximum | 16% (10) | 16% (10) | |
| (b) minimum | 0.3% | 0.3% | |
| Sight Distance | 130m (11) | 65m | |
| (general minimum) | | | |
| Carriageway Crossfall | Two Way | Two Way | |
| Pavement crossfall | 1:33 | 1:33 | |
| Shoulder crossfall | 1:25 | 1:25 | |

APPENDIX K: RURAL STREETS 'SUMMARY OF PROBABLE SOLUTIONS'

Notes:

- 1. Based on 6 vpd per single residential use.
- The carriageway width is measured between edge lines where a bitumen road, otherwise for the width of the gravel pavement.
- Partial shoulder sealing of 1.0m (Local Streets) and 0.5m (Collector Streets) is required where a bitumen road, to reduce edge wear. Additionally, for bitumen roads, longitudinal edge lines are required at the edge of the traffic lanes to avoid the partial shoulder seal being used as part of the traffic lane.
- The minimum verge widths apply after satisfying the other criteria within this table and other site-specific requirements.
- Depending on height of fill and batter slope the verge width may need to be widened to 2.0m to accommodate guard rails.
- 6. The verge width is dependent on the table drain depth and sideslope. Where feasible, sideslopes not exceeding 1:6 are preferred.

- 7. Additional width may be necessary to fulfil performance criteria of the verge, batters or boundary clearances.
- 8. May be required in rock cuts or for specific drainage considerations.
- The boundary clearance is measured from the edge line where a bitumen road, otherwise from the edge of the gravel pavement to the property boundary.
- 10. Absolute maximum 20%, where no reasonable alternative demonstrably exists, and limited generally to 100 metre sections.
- 11. As Local Streets operate on the concept of a 'single moving lane', the general minimum sight distance is that required for the drivers of two opposing vehicles to see each other in sufficient time to stop before collision. This distance is twice the stopping sight distance for normal design as outlined in Table 6.2 of Austroads 'Rural Road Design'.

