

Wyong District Development Contributions Plan

April 2020

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1 Administration and Operation of this Plan

1.1 Introduction

The purpose of this Contributions Plan is to determine the contribution rates and means of providing the following public services and amenities necessary as a consequence of proposed development within the Wyong District and part of the Rural West area.

- Roads and Intersections
- Community Facilities
- Public Open Space
- Drainage and Water Quality
- Carparking
- Planning Studies

Contributions from the proposed development will not be used to address any backlog in the provision of works and services for the existing population, for development which has already obtained development consent at the date of preparation of this Plan, or for development not requiring consent.

This Plan has been prepared in accordance with the requirements of Section 7.11 of the Environmental Planning and Assessment Act.

1.2 Relationship to Other Plans

This Plan should be read in conjunction with Wyong Local Environmental Plan 2013, relevant Development Control Plans and Council's Codes and Policies.

This Plan replaces any requirements and details related to Section 7.11 Contributions that exists within any Development Control Plan previously prepared by Council for this area.

This Plan takes precedence over any of Council's Codes and Policies where there are any inconsistencies in relation to Section 7.11 Contributions.

1.3 Area of the Plan

This Plan covers the following:

- 1 All of the Wyong Social Plan District as shown in Figure 2 and includes:
 - Medium density development within the Wyong area
 - New Urban Release Area at Mardi
 - A new commercial/retail area at Mardi
 - A new Urban Release Area at Watanobbi

- A new Urban Release Area at West Wyong
- Tuggerah Industrial Area Stage 3
- 2 Two specific areas within the Rural West District:
 - Rural residential development in the area of Hue Hue Road
 - Urban development at Leewood Close, Yarramalong

1.4 List of Abbreviations / Terms

DU (Dwelling Unit) - see Section 2.1 for definition.

Ha (Hectares) – area used for contributions (see specific report detail for actual area included in calculation).

District – a District within a Social Plan District (see Figures 1 and 2).

Medium Density Development - see Section 2.1 for definition.

Committed Population – that population which relates to existing development being considered within the Plan and to approved development.

NDA (Net Developable Area – this is the total area of the residential lots within a land subdivision and is used to calculate contributions on an area basis. When referring to the drainage and water quality scheme for the Tuggerah Industrial Site 3 area, NDA refers to the total site area of land being developed

Secondary dwelling means a self-contained dwelling that:

- a is established in conjunction with another dwelling (the **principal dwelling**), and
- b is on the same lot of land as the principal dwelling, and
- c is located within, or is attached to, or is separate from, the principal dwelling.

A secondary dwelling shall be assessed as 0.52 DU for a one bedroom dwelling and 0.73 DU for a two bedroom dwelling.

1.5 Complying Development and Obligation of Accredited Certifiers

In accordance with Section 7.21(1) of the EP&A Act:

- 1 Accredited certifiers must in issuing a complying development certificate impose a condition under Section 7.11 that requires the payment of monetary contributions calculated in accordance with this development contributions plan. The condition of consent shall also require the payment to be made prior to the commencement of works where building works are involved or prior to the commencement of use where no building works are involved.
- 2 This plan authorises accredited certifiers to impose such a condition. The condition must include a notation that the contribution amounts are indexed on a quarterly basis.

3 The amount of contributions and timing of payment shall be strictly in accordance with the provisions of this contributions plan.

It is the responsibility of accredited certifiers to:

- accurately calculate the quantum of contributions or alternatively seek advice and assistance directly from Council; and
- apply the Section 7.11 condition correctly.

1.6 Construction Certificates and Obligation of Accredited Certifiers

In accordance with Clause 146 of the EP&A Regulation, a certifying authority must not issue a construction certificate for building work or subdivision work under a development consent unless it has verified that each condition requiring the payment of monetary contributions has been satisfied.

In particular, the certifier must ensure that the applicant provides a receipt(s) confirming that contributions have been fully paid and copies of such receipts must be included with copies of the certified plans provided to the Council in accordance with clause 142(2) of the EP&A Regulation. Failure to follow this procedure may render such a certificate invalid.

The only exceptions to the requirement are where a works in kind or dedication of land has been agreed by Council. In such cases, Council will issue a letter confirming that an alternative payment method has been agreed with the developer.

1.7 Deferred and Periodic Payments

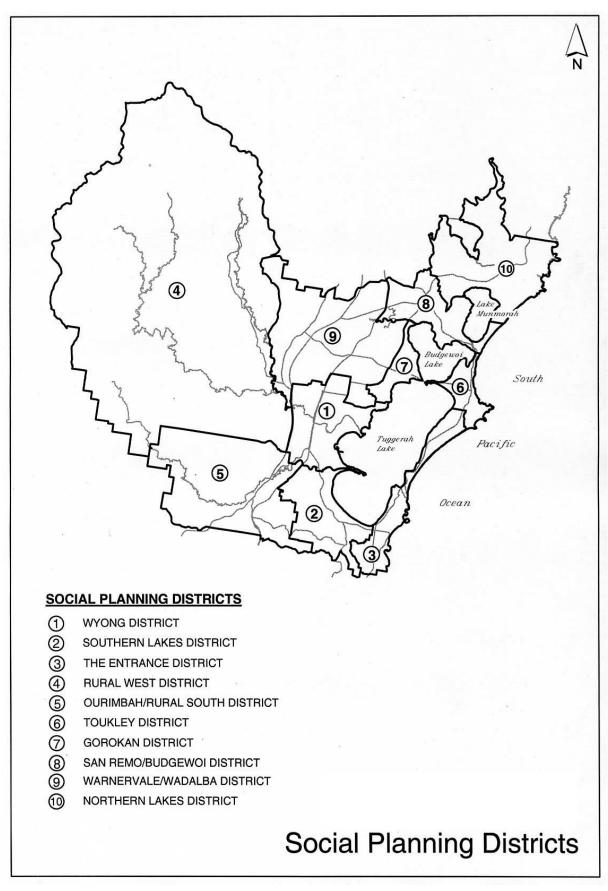
Council will generally <u>not accept</u> arrangements for the periodic payment of contributions required under this plan. Notwithstanding this position, an application for periodic payments may be made to Council, and Council after giving consideration to it may in extenuating circumstances accede to such a request subject to conditions that it considers appropriate. Such conditions may include the confirmation of the payment schedule via a legal agreement and the payment of fee.

Council will generally only consider permitting the deferred payment of contributions in accordance with its "Deferred Payment of Section 94 Contributions Policy" current at the time of application.

1.8 Current Contribution Rates – Wyong District

The contribution rates contained within this plan are the "base" rates for the plan. Details of current indexed rates may be obtained from Council.





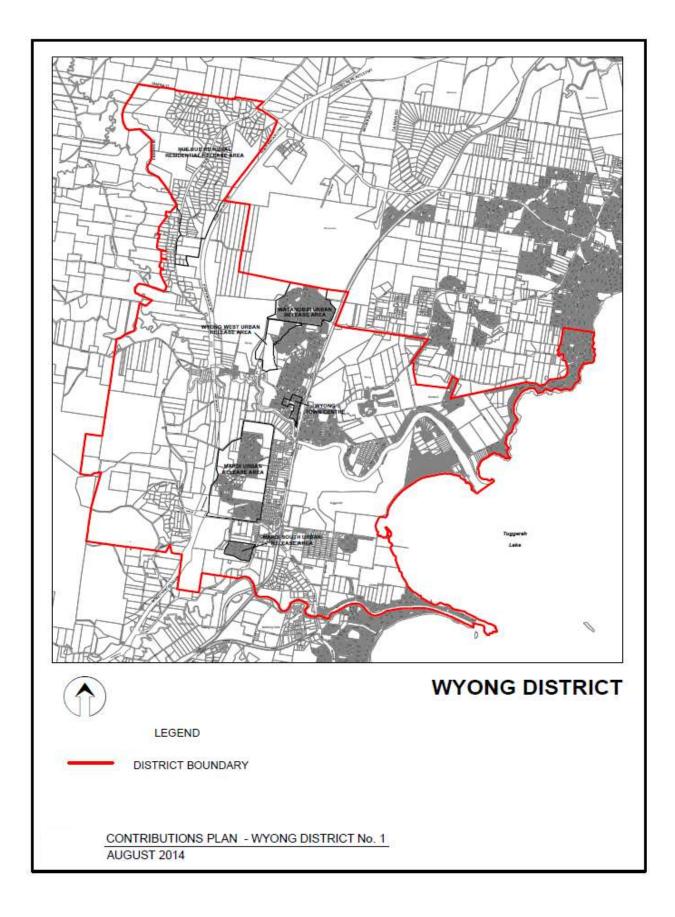


Figure 2 Wyong District Contributions Plan Area

1.9 Estimated Costs

The following points should be noted in regard to cost estimates contained in this Plan:

- Unless otherwise stated, cost details and contribution rates in this Plan are based on June 2002 values and will be adjusted periodically as detailed in Clause 12.
- Estimated costs for land components are based on:

Existing serviced land:	\$180/square metre
Englobo land:	\$20/square metre

- Where specific valuations are available, these values have been used.
- Full details of the cost estimates for works are contained in the relevant technical reports.

1.10 Timing of Works

Council is not able to bankroll works required as a consequence of development proposed under this Plan and will only be able to provide works and services when sufficient funds have been provided by way of contributions.

Priority spending of contributions may, however, be directed to particular items identified in this Plan and this has been considered in formulating works schedules.

In relation to the provision of any Plan requirements, the years shown in the Plan are indicative only. The provision of any item will be dependent on the threshold criteria established for the need for that item, and not necessarily the year shown in the Plan.

1.11 Works In Kind and Material Public Benefit

Developer contributions made in accordance with this plan will usually be in the form of monetary payments, however alternative "in kind" contributions may be accepted if they are deemed by Council to represent an "equivalent material public benefit". In the case of alternative payments being proffered, a developer is required to make prior written representations to Council at which time the proposal may be considered.

Where the value of a particular work exceeds the contributions due for that work, this excess value may (subject to Council's concurrence) be offset against other contributions due under this plan. This offset can only be applied where the funds are not required immediately to construct works to service the initial development, but can be delayed to a later stage when further development proceeds.

Alternatively, a credit may be granted to the developer which will be repaid upon uncommitted contribution funds becoming available.

The value of a particular work or land will be the value assigned to it under this contribution plan.

It may be feasible to provide temporary measures to service initial stages of a development in lieu of constructing major works upfront. Such proposals will need to be assessed at the time of application and provision of such works will be the sole responsibility of the particular applicant, except where any works form part of the final works identified in this contribution plan (in which case that part will be treated as works-in-kind).

The cost of any temporary works not recognised as works in kind cannot be offset against any other contributions required under this plan.

1.12 Dedication of Land

Subject to prior agreement with Council, land may be dedicated in lieu of making a contribution towards the acquisition of land and in some cases, where the value of land dedicated exceeds the contribution due for provision of this particular type of land, this excess value may (subject to Council's concurrence) be offset against other contributions in a similar manner to work in kind.

Council will only accept land dedication where that land is of a suitable nature for the purpose for which it is being dedicated. All land to be transferred to Council is to be free of any improvements, structures or other impediments which would restrict or hinder its future use or development for the purposes for which it is being acquired, unless otherwise agreed by Council. The land is also to be transferred in an appropriate state, free of any refuse, contamination, or the like, unless otherwise agreed by Council.

1.13 Timing and Method of Payment

General practice in relation to the timing of payments for Section 7.11 contributions is as follows:

- development applications involving subdivision prior to issue of a subdivision certificate at release of linen plans;
- development applications involving building works prior to the issue of a construction certificate; and
- development applications where no building approval is required at the time of development consent.

In regard to the latter case, the applicant may make a cash payment of contributions prior to issue of the development consent or alternatively lodge a suitable bank guarantee, also prior to issue of the consent. This bank guarantee will be called up upon commencement of the consent.

1.14 Method of Increasing Contributions

Increases to the contribution rate will apply in accordance with the following:

Cost Indexation Increase

For works, the Consumer Price Index will be used to increase contribution rates as follows:

Where:

The **Base CPI** is the Consumer Price Index, Australia for Sydney as published by the Australian Bureau of Statistics used in the preparation of this plan.

The **Current CPI** is the Consumer Price Index, Australia for Sydney as published by the Australian Bureau of Statistics available at the time of review of the contribution rate.

1.15 Revision of Plan

This Plan may be revised if the extent or nature of the proposed development varies and these variations lead to a change in the demand for public services and amenities.

Costings of works identified in this Plan are based on preliminary designs and changes to cost estimates as a result of detailed design may also necessitate a revision to this Plan.

Any revision of this Plan will be carried out in accordance with the provisions of Section 7.11.

Adoption Date	Effective Date	Nature of Revision
	September 1995	Amended
	October 1997	Amended
	August 1998	Amended
	February 2000	Amended
	August 2001	Amended
	March 2004	Amended
	11 January 2007	Amended
24 July 2013	7 August 2013	Insertion of specific clauses relating to complying development and deferred payment (and minor formatting changes)
24 July 2013	18 September 2013	Insertion of "Secondary Dwelling" clause
27 August 2014	29 October 2014	Inclusion of rural area within Wyong District catchment, and removal of areas included in other plans
27 April 2020	22 May 2020	Amend dwelling unit rate for secondary dwellings

Table 1Plan Amendments

1.16 Pooling of Funds

In accordance with Clause 27(3) of the Environmental Planning and Assessment Act Regulation, this clause authorises the pooling of funds by Council to provide priority works and land.

2 Urban Characteristics and Population

2.1 **Population Predictions**

The following table gives details of expected growth in resident population within the Wyong District:

Year	Mardi	Mardi South	Watanobbi	West Wyong	Medium Density	Total
2002	3,210	787	2,762	0	202	6,961
2003	78	0	0	0	52	130
2004	78	0	0	0	52	130
2005	78	0	0	183	52	313
2006	79	0	0	183	52	314
2007	0	0	0	183	52	235
2008	0	0	0	183	52	235
2009	0	0	0	183	52	235
2010	0	0	0	0	52	52
2011	0	0	0	0	0	0
2012	0	0	0	0	0	0
TOTAL	3,523	787	2,762	915	615	8,603

 Table 2
 Population Growth Projections for Wyong District Urban Release Area

A number of development consents have already been issued in the new release areas and the population figures for these consents have generally been excluded in determining contributions under this Plan. However, expenditure of the contributions made under these consents has been included in work schedules. A summary of committed and remaining development potential is shown in the following table.

Table 3 Population and Dwelling Unit Data for Wyong District

Area	Population			Dwelling Units		
	Committed	Remaining	Total	Committed	Remaining	Total
Medium Density	202	413	615	85	178	263
Urban Release Areas						
Mardi*	3,210	314	3,524	1003	101	1104
Mardi South	787	0	787	246	0	246
Watanobbi	2,762	0	2,762	863	0	863
West Wyong	0	915	915	0	286	286
TOTAL	6,961	1,642	8,603	2,197	565	2,762

* Mardi URA includes rezoning of Lot 622 DP 877750 Woodbury Park Drive

Notes:

- A Dwelling Unit (DU) is the basic unit used for planning purposes for this Plan and is defined as a dwelling with an occupancy rate of 3.2 persons. Where other than three bedroom dwellings are proposed, an equivalent number of dwelling units will be calculated and used as the basis for determining needs and contributions. This will be calculated in accordance with Council's Policy.
- For the purposes of this Plan, Medium Density Development is defined as development that leads to a demand on works or services greater than that which would be required by a single dwelling unit on each existing lot (eg. dual occupancies, land subdivision, residential flat development, etc).

3 Community Infrastructure and Contributions

3.1 **Community Facilities**

3.1.1 Introduction

This section considers the human service requirements generated as a result of the development in the area of this Plan.

3.1.2 General

The approach to establishing human services requirements for this area has been:

- identify existing community facilities and associated land;
- identify requirements to service existing population, future single dwelling development on existing allotments for which no contribution can be sought and developments for which consent has already been issued;
- from the above, determine if there is any spare capacity for future development;
- determine the additional community facilities and land requirements, if any, needed to service the future development being considered.

3.1.3 Guidelines

A report has been prepared by the Strategic Planning Department to review the Strategic Social Planning Framework and Guidelines used by Council in the planning, provision and development of community facilities.

The report titled 'Guidelines for the Planning and Provision of Community Facilities in Wyong Shire' - May 2000 (amended in July 2002) recommends the following amounts to be used as the basis for determining requirements for a basic level of provision:

- Land for Community Facilities: 5.6m² per DU
- Community Facilities Floor Space: 0.9m² per DU

This Plan is also based on Council's Social Plan (1984) with details specific to this area prepared by Council's Community Services Planner contained in Report No CF16 (1992).

Assessment of existing services indicates there is no spare capacity in these facilities to meet the need generated by the future development considered in the Plan. Therefore, additional community land and facilities will need to be provided to cater for the proposed population increase.

3.1.4 Area of the Scheme

For the purposes of Community Services planning this District has been divided into zones as follows:

- Zone 1: Mardi Urban Release Area;
- Zone 2: West Wyong and Watanobbi Urban Release Area;
- Zone 3: remaining area of the District.

For the purposes of determination of community facility requirements for development covered by this Plan, the following have been excluded:

- existing development;
- single dwelling development on existing residential lots; and
- developments for which consent has already been issued.

Population details are shown in Table 3.

3.1.5 Zone 1: Mardi Urban Release Area

Report Details

This Plan is also based on Council's Social Plan (1992) with details specific to this area prepared by Council's Community Services Planner contained in Report No CF3-1.

Assessment of existing services indicates there is no spare capacity in these facilities to meet the need generated by the future development considered in this zone. Therefore, additional community land and facilities will need to be provided to cater for the proposed population increase.

Figure 3 shows the area of this zone.

Determination of Community Facility Requirements

The projected number of additional DUs in the area of the Plan is 101 generated from a total additional population of 314.

Community facility requirements for this zone are as follows:

Land Requirements

For an additional 101 DU within the Urban Release Area; the land requirement is 564 square metres.

Current contributions in hand and amounts committed in development consents issued prior to preparation of this Plan will enable this area to be increased by 5,071 square metres making a total of 5,635 square metres of community land to be provided.

Community Facilities

For an additional 101 DU, a total of 91 square metres of floor space is required.

Current contributions in hand and amounts committed in development consents issued prior to preparation of this Plan will enable this floor space to be increased by an additional 106 square metres making a total of 196 square metres of floor space to be constructed.

Scheme Details

A total of 196 square metres of additional community facilities floor space is to be provided in accordance with needs identified within Council's Community Plan, and through ongoing community consultation.

Facilities are to be provided within the Social Planning District or to specifically meet the demands generated within the District. Community facility floor space will be utilised to provide Multi-purpose Community Centres incorporating such facilities such as neighbourhood centres, youth centres, senior citizens facilities, libraries and the like.

The timing of the provision of the floor space will generally be driven by the rate of future development in the locality and the demand generated by such.

Further details including costs are shown in Table C1.

Apportionment of Costs

Costs will be shared by all developments on a population basis with contribution rates being calculated on a per dwelling unit, or equivalent, basis.

Program for Works and Funding

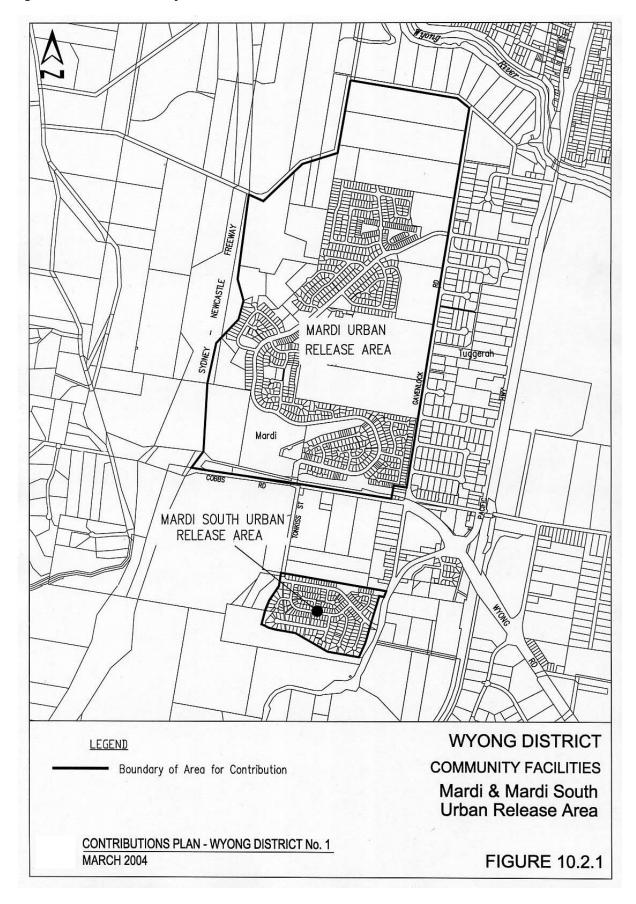
Land

Table C1 shows an indicative time for land acquisition but the actual time will vary depending on the rate of development.

Facilities

An indicative time for the provision of each facility is shown in Table C1 although this may vary depending on the rate of development. The actual time for provision of the various facilities will be dictated by the following thresholds:

Community facility floor space to be provided at intervals of 30%, 65% and 100% of development.





Contribution Rates

The contribution rate will be calculated by dividing the total estimated costs by the estimated number of dwelling units.

Land Component

Cost	=	564m² @ \$20/m²
	=	\$11,281
Contribution Rate	=	Cost ÷ No of NDAs
	=	\$11,281 ÷ 3.2 NDA
	=	\$3,525 per NDA

Works Component

Cost	=	91m² @ \$2,793/m² \$254,163
Contribution Rate	= = =	Cost ÷ No of DUs \$254,163 ÷ 101 \$2,516 per DU

3.1.6 Zone 2: Watanobbi and West Wyong Urban Release Areas

Report Details

This Plan is based on Council's Social Plan (1992) with details specific to this area prepared by Council's Community Services Planner contained in Report No CF3-2).

Assessment of existing services indicates there is no spare capacity in these facilities to meet the need generated by the future development considered in the Plan. Therefore, additional community land and facilities will need to be provided to cater for the proposed population increase.

Figure 4 shows the area of this zone.

Determination of Community Facility Requirements

The projected number of additional DUs in the area of the Plan is 286 generated from a total additional population of 915

Community facility requirements for the area of this Plan are as follows:

Land Requirements

For a total of 286 DU within the Urban Release Area; the land requirement is 1,602 square metres.

Current contributions in hand and amounts committed in development consents issued prior to preparation of this Plan will enable this area to be increased by an additional 3,504 square metres making a total of 5,106 square metres of community land to be provided.

Community Facilities

For a total of 286 DU, a total of 257 square metres of floor space is required.

Current contributions in hand and amounts committed in development consents issued prior to preparation of this Plan will enable this floor space to be increased by an additional 87 square metres making a total of 344 square metres of floor space to be constructed.

Scheme Details

A total of 344 square metres of community facilities floor space is to be provided in accordance with needs identified within Council's Community Plan, and through ongoing community consultation.

Facilities are to be provided within the Social Planning District. Community facility floor space will be utilised to provide Multi-purpose Community Centres incorporating such facilities such as childcare, neighbourhood centres, youth centres, senior citizens facilities and the like.

The timing of the provision of the floor space will generally be driven by the rate of future development in the locality and the demand generated by such.

Further details including costs are shown in Table C2.

Apportionment of Costs

Costs will be shared by all developments on a population basis with contribution rates being calculated on a per dwelling unit, or equivalent, basis.

Program for Works and Funding

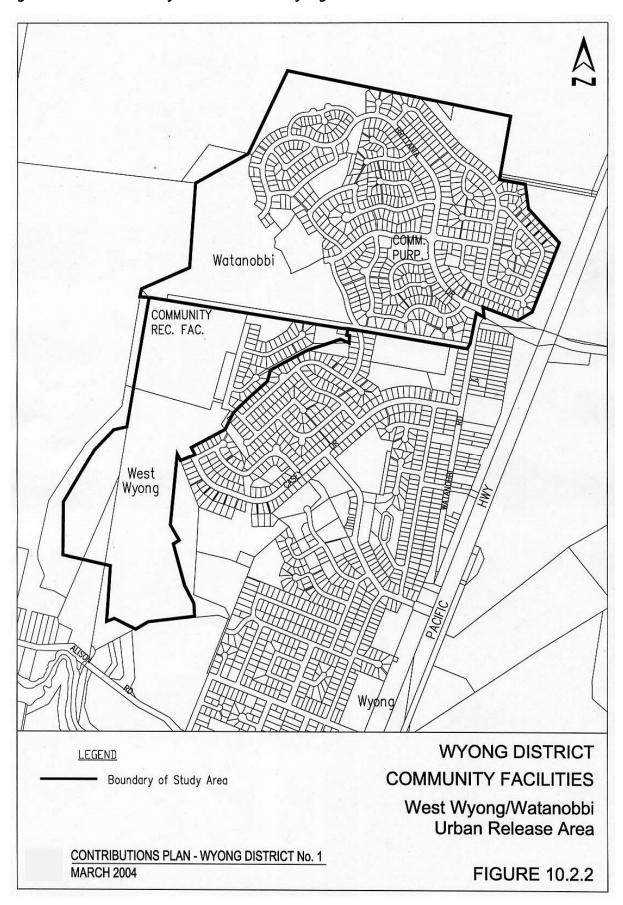
Land

Table C2 shows acquisition of land in 1994/95 but actual time will depend on rate of development as later developments will be required to dedicate land.

Facilities

An indicative time for the provision of each facility is shown in Table C2 although this may vary depending on the rate of development. The actual time for provision of the various facilities will be dictated by the following thresholds:

Community facility floor space to be provided at intervals of 65%, 75% and 100% of development.





Contribution Rates

The contribution rate will be calculated by dividing the total estimated costs by the estimated number of dwelling units.

Land Component

Cost	=	1,602m² @ \$20/m²
	=	\$32,032
Contribution Rate	=	Cost ÷ No of DUs
	=	\$32,032 ÷ 286
	=	\$112 per DU

Works Component

Cost	= =	257m² @ \$2,793m² \$718,918
Contribution Rate	= = =	Cost ÷ No of DUs \$718,918 ÷ 286 \$2,514 per DU

3.1.7 Zone 3: Remaining Area of the District

Area of the Scheme

The remaining area of the District includes all of the Wyong District except for Zones 1 and 2 above.

Report Details

This Plan is based on Council's Social Plan (1992) with details specific to this area prepared by Council's Community Services Planner contained in Report No CF3-3).

Assessment of existing services indicates there is no spare capacity in these facilities to meet the need generated by the future development considered in the Plan. Therefore, additional community land and facilities will need to be provided to cater for the proposed population increase.

Determination of Community Facility Requirements

The projected number of additional DUs in the area of the Plan is 178 generated from a total additional population of 413.

Community facility requirements for the area of this Plan are as follows:

Land Requirements

For an additional 178 DU, the land requirement is 997 square metres.

Current contributions in hand and amounts committed in development consents issued prior to preparation of this Plan will enable this area to be increased by an additional 200 square metres making a total of 1,197 square metres of community land to be provided.

Community Facilities

For an additional 178 DU, a total of 160 square metres of floor space is required.

Current contributions in hand and amounts committed in development consents issued prior to preparation of this Plan will enable this area to be increased by an additional 83 square metres making a total of 244 square metres of community land to be provided.

Scheme Details

A total of 244 square metres of community facilities floor space is to be provided in accordance with needs identified within Council's Community Plan, and through ongoing community consultation.

Facilities are to be provided within the Social Planning District. Community facility floor space will be utilised to provide Multi-purpose Community Centres incorporating such facilities such as neighbourhood centres, youth centres, senior citizens facilities and the like.

The timing of the provision of the floor space will generally be driven by the rate of future development in the locality and the demand generated by such.

Further details including costs are shown in Table C3.

Apportionment of Costs

Costs will be shared by all developments on a population basis.

Program for Works and Funding

Land

Table C3 shows an indicative time for land acquisition but the actual time will vary depending on the rate of development and acquisition opportunities.

Facilities

An indicative time for the provision of each facility is shown in Table C3 although this may vary depending on the rate of development. The actual time for provision of the various facilities will be dictated by the following thresholds: Community Centre (to be provided when development is completed).

Contribution Rates

The contribution rate will be calculated by dividing the total estimated costs by the estimated number of dwelling units.

Land Component

Cost	=	997m² @ \$180/m²
	=	\$179,424
Contribution Rate	=	Cost ÷ No of DUs
	=	\$179,424 ÷ 178
	=	\$1,008 per DU

Works Component

Cost	= =	160m² @ \$2,793/m² \$447,438
Contribution Rate	= = =	Cost ÷ No of DUs \$447,438 ÷ 178 \$2,514 per DU

3.2 Public Open Space

3.2.1 Introduction

This section considers the open space requirements generated as a result of the development in the area of this Plan.

3.2.2 General

The methodology adopted for this Plan is based on Council's Open Space Plan.

The approach to establishing requirements for this area has been:

- identify existing open space land and improvements;
- identify requirements to service existing population and future single dwelling development on existing allotments for which no contributions can be sought;
- determine land requirements, if any, needed for the future development;
- determine embellishment requirements, if any, needed for the future development.

3.2.3 Area of the Scheme

For the purposes of Open Space planning this District has been divided into zones as follows:

- Zone 1: Mardi Urban Release Area;
- Zone 2: Mardi South Urban Release Area;
- Zone 3: Watanobbi Urban Release Area;
- Zone 4: West Wyong Urban Release Area;
- Zone 5: the remaining area of the District.

3.2.4 Zone 1: The Mardi Urban Release Area

Proposed Development

The proposed development covers development of the Mardi Urban Release Area and is predicted to yield a total population of 3523 as shown in Clause 5.0 of this Plan.

Figure 5 shows the area of this zone.

Report Detail

This Plan is based on Council's Open Space Plan with details specific to this area prepared by Council's Landscape Planner, contained in Report No POS 9-1 (September 1992).

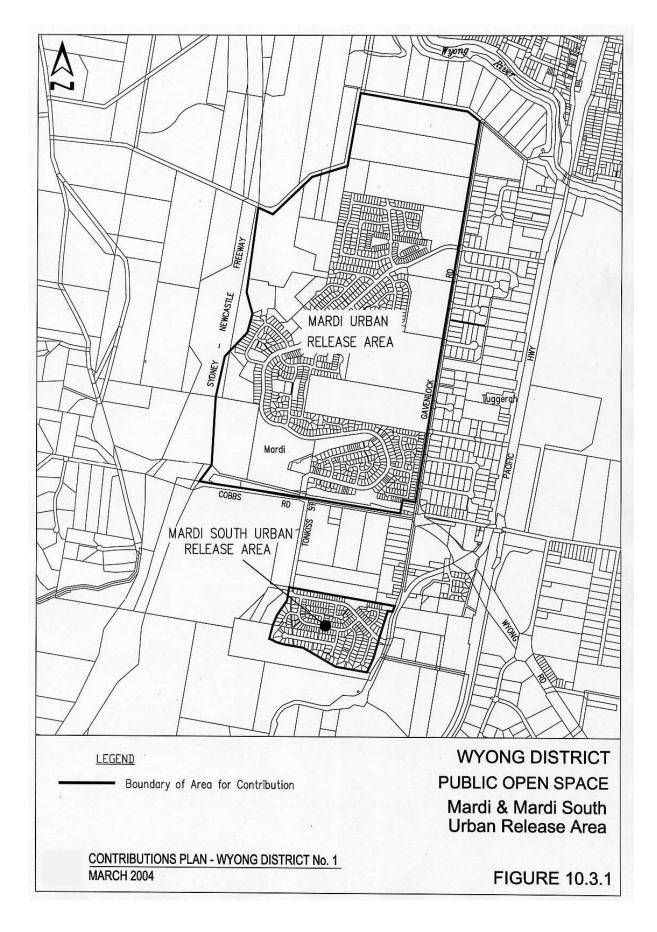


Figure 5 Public Open Space – Mardi and Mardi South Urban Release Area

Determination of Open Space Requirements

Council's Open Space Plan requires a minimum provision of open space of 3.00 hectares per thousand people (as well as requirements relating to different types of open space, size, distribution, etc). For a population growth of 3523 people, a minimum area of 10.57 hectares would be required.

The Wyong Open Space Plan indicates the various categories of open space as a proportion of total open space requirements as shown in the table below:

Table 4Categories of Open Space

Open Space Type	Notional Proportion (%)	Notional Area Required (Ha)
Small Park	20	2.11
Large Park	30	3.17
Semi-Natural Area	20	2.11
Courts	5	0.53
Sports Fields	25	2.65
TOTAL OPEN SPACE	100	10.57

Open Space requirements for the area of this Plan are as follows:

Land Requirements

For the following types of open space, assessment of existing open space land shows that there is an excess of land for the existing population and that there is no significant shortfall due to the requirements generated by future development:

- Courts; and
- Sports Fields.

There is therefore no requirement for provision of open space land for these types.

For the other types of open space there is a need for additional land to cater for the proposed development as follows:

- Semi-Natural;
- Small Park; and
- Large Park.

The notational area required (based on 3 ha/1,000 persons) exceeds that to be acquired as shown above. This is a result of the additional demand generated by rezoning of additional residential land in the later stages of the release area development.

The areas shown above are to be provided under the Section 7.11 process.

Additional land is also to be transferred to Council, at no cost, under the deed of agreement for the rezoning of additional residential land in the north of the precinct. This land will satisfy additional demand generated by development of rezoned areas and the development area as a whole and will perform a number of functions, including active and passive open space.

Land requirements for this zone are to be fully provided within the area of the zone.

Table S1 has been prepared on the basis of contributions in lieu of dedication of land. Any dedication of suitable land will be offset against these costs in a similar manner to works in kind.

Embellishment

While there is sufficient open space land within the Wyong District to meet some of the land requirements as identified above, the level of improvements on all types of open space is insufficient to cater for the future development being considered. Accordingly, contributions towards embellishment of existing open space for the future development area is justified. Cost estimates for embellishment of various types of open space have been calculated as follows:

•	Large Parks:	\$24.82 per square metre
•	Semi-Natural Areas:	\$10.34 per square metre
•	Small Parks:	\$24.82 per square metre
•	Courts:	\$103.42 per square metre
•	Sporting Fields:	\$34.13 per square metre

(indexed December 1999)

An allowance for components of the embellishment of land to be dedicated on at the northern end of the release area is also included. These areas will have a benefit over the wider release area and an indicative costs estimate for the works has been provided at:

•	Play structure	\$25,500

Kickabout area \$40,800

Cost estimates have also been applied to the area requirements in the table above to establish the total estimated costs shown in Table S1.

Apportionment of Costs

Future development being considered is expected to be spread throughout the zone and so all development will be required to share the costs for open space embellishment on a proportional basis.

Program for Works and Funding

An indicative time for the provision of each improvement is shown in Table S1, although this may vary depending on the rate of development. The actual time for provision of the various improvements will be dictated by the following thresholds:

- Small Parks: to be provided in stages at 25% and 60% of development;
- Large Parks: to be provided in stages at 25% and 60% of development;
- Courts: to be provided at 60% of development;
- Sports Fields: to be provided at 100% of development;
- Semi-Natural: to be provided at 30% of development;
- Land: to be provided in conjunction with the development.

Contribution Rates

Land Component

The contribution rate will be calculated by dividing the total estimated costs as shown in the attached tables by the estimated net developable area (NDA).

Contribution Rate	=	\$469,000 ÷ 52.86ha NDA
	=	\$8,872.50 per ha NDA

Works (Embellishment) Component

The contribution rates will be calculated by dividing the total estimated costs as shown in the attached tables by the estimated number of Dwelling Units as follows:

Contribution Rate	=	\$1,636,281 ÷ 1104
	=	\$1,483 per DU (indexed to June 2002)

3.2.5 Zone 2: The Mardi South Urban Release Area

Proposed Development

The proposed development covers development of the Mardi South Urban Release area and is predicted to yield a total population of 788 (equivalent to 284 DUs) as shown in Clause 6.0 of this Plan.

Figure 6 shows the area of this zone.

Report Detail

This Plan is based on Council's Open Space Plan with details specific to this area prepared by Council's Landscape Planner, contained in Report No POS 9-2 (September 1992).

Determination of Open Space Requirements

Council's Open Space Plan requires a minimum provision of open space of 3.00 hectares per thousand people (as well as requirements relating to different types of open space, size, distribution, etc). For a total population growth of 787 people, a minimum area of 2.36 hectares would be required.

Open Space requirements for the area of this Plan are as follows:

Land Requirements

For the following types of open space, assessment of existing open space land shows that there is an excess of land for the existing population and that there is no significant shortfall due to the requirements generated by future development:

- Courts; and
- Sports Fields.

There is therefore no requirement for provision of open space land for these types. However, for other types of open space there is a need for additional land to cater for the proposed development and this is shown in Table S2.

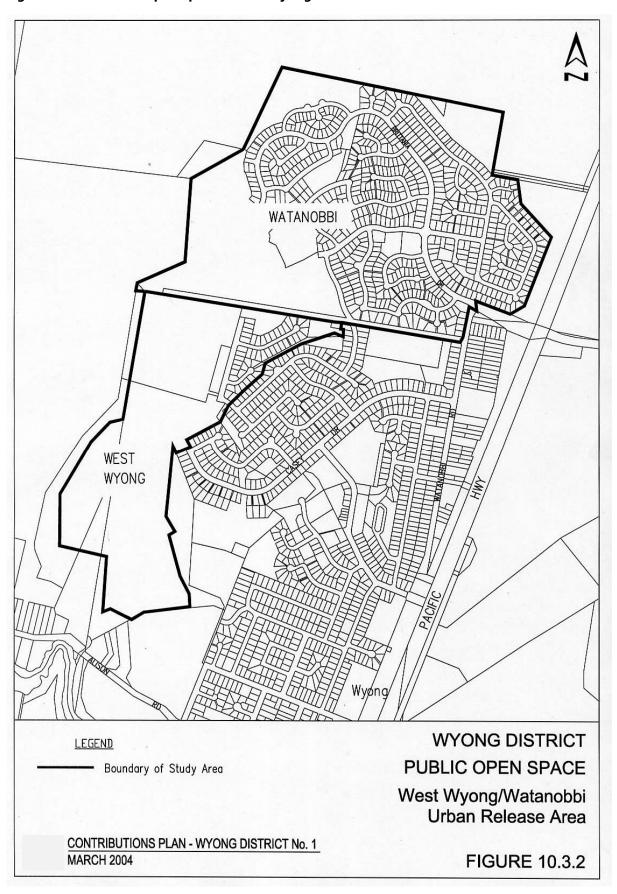
Embellishment

While there is sufficient open space land within the area of the zone to meet some of the land requirements as identified above, the level of improvements on all types of open space is insufficient to cater for the future development being considered. Accordingly, contributions towards embellishment of existing open space for this future development area reasonable.

Table S2 shows cost estimates for embellishment.

Apportionment of Costs

Future development being considered is expected to be spread throughout the zone and so all development will be required to share the costs for open space embellishment on a proportional basis.





Program for Works and Funding

An indicative time for the provision of each improvement is shown in Table S2, although this may vary depending on the rate of development. The actual time for provision of the various improvements will be dictated by the following thresholds:

Land

To be dedicated as part of the development.

Embellishment

Works to be carried out at the completion of the development.

Contribution Rates

The contribution rates will be calculated by dividing the total estimated costs by the estimated number of Dwelling Units as follows:

Land Component

Contribution Rate	=	\$331,000 ÷ 246
	=	\$1,345 per DU

Works (Embellishment) Component

Contribution Rate	=	\$321,969 ÷ 246
	=	\$1,308 per DU

3.2.6 Zone 3: Watanobbi Urban Release Area

Proposed Development

The proposed development covers development of the Watanobbi Urban Release area and is predicted to yield a total population of 2,762 as shown in Clause 6.0 of this Plan.

Figure 6 shows the area of this zone.

Report Detail

This Plan is based on Council's Open Space Plan with details specific to this area prepared by Council's Landscape Planner, contained in Report No POS 3-2 (September 1992).

Determination of Open Space Requirements

Council's Open Space Plan requires a minimum provision of open space of 3.00 hectares per thousand people (as well as requirements relating to different types of open space, size, distribution, etc). However, development in this release area commenced some time ago prior to the use of the Open Space Plan and the Development Control Plan stipulates a standard of 2.83 hectares per thousand people. For a population growth of 2,762 people, a minimum area of 7.81 hectare would be required.

Open Space requirements for the area of this Plan are as follows:

Land Requirements

Assessment of existing open space land shows that there is an excess of land for the existing population and that there is no significant shortfall due to the requirements generated by future development for the following types of Open Space:

- Semi-Natural Areas;
- Courts;
- Sports Fields.

There is therefore no requirement for provision of open space land for these types. However, for other types of open space there is a need for additional land to cater for the proposed development as follows:

- Small Park
 1.08 hectare
- Large Park 3.38 hectare

Development in the UDP area will be required to dedicate land sufficient to fulfill these requirements or to contribute towards acquisition of suitable land.

Table S3 has been prepared on the basis of contributions in lieu of dedication of land. Any dedication of suitable land will be offset against these costs in a similar manner to works in kind.

Embellishment

While there is sufficient open space land within the area of the zone to meet some of the land requirements as identified above, the level of improvements on certain types of open space is insufficient to cater for the future development being considered. Accordingly, contributions towards embellishment of existing open space for this future development area reasonable.

Table S3 shows details including cost estimates.

Apportionment of Costs

Future development being considered is expected to be spread throughout the zone and so all development will be required to share the costs for open space embellishment on a proportional basis.

Program for Works and Funding

An indicative time for the provision of each improvement is shown in Table S3, although this may vary depending on the rate of development. The actual time for provision of the various improvements will be dictated by the following thresholds:

Land

To be dedicated at various stages of development.

Embellishment

- Small Parks: to be provided in stages when 50% and 100% of development is released;
- Large Parks: to be provided in stages when 60% and 90% of development is released;
- Sports Fields: to be provided when 50% of development is released.

Contribution Rates

The contribution rates will be calculated by dividing the total estimated costs by the estimated number of Dwelling Units as follows:

Land Component

Contribution Rate = \$892,000 ÷ 863 = \$1,033 per DU

Works (Embellishment) Component

Contribution Rate = \$572,946 ÷ 863 = \$664 per DU

3.2.7 Zone 4: West Wyong Urban Release Area

Proposed Development

The proposed development covers development of all of the West Wyong Urban Release area and is predicted to yield a total population of 915 (equivalent to 286 DUs) as shown in Clause 5.0 of this Plan.

Figure 6 shows the area of this zone.

Report Detail

This Plan is based on Council's Open Space Plan with details specific to this area prepared by Council's Landscape Planner, contained in Report No POS 3-1 (September 1992).

Determination of Open Space Requirements

Council's Open Space Plan requires a minimum provision of open space of 3.00 hectares per thousand people (as well as requirements relating to different types of open space, size, distribution, etc). However, development in this release area commenced some time ago prior to the use of the Open Space Plan and the Development Control Plan stipulates a standard of 2.83 hectares per thousand people. For a population growth of 915 people, a minimum area of 2.59 hectare would be required.

Open Space requirements for the area of this Plan are as follows:

Land Requirements

Assessment of existing open space land shows that there is an excess of land for the existing population and that there is no significant shortfall due to the requirements generated by future development for the following types of Open Space:

- Semi-Natural Areas;
- Courts;
- Sports Fields.

There is therefore no requirement for provision of open space land for these types. However, for other types of open space there is a need for additional land to cater for the proposed development as follows:

- Small Park
 1.65 hectare
- Large Park 0.60 hectare

Development in the UDP area will be required to dedicate land sufficient to fulfill these requirements or to contribute towards acquisition of suitable land.

Table S4 has been prepared on the basis of contributions in lieu of dedication of land. Any dedication of suitable land will be offset against these costs in a similar manner to works in kind.

Embellishment

While there is sufficient open space land within the area of the zone to meet some of the land requirements as identified above, the level of improvements on certain types of open space is insufficient to cater for the future development being considered. Accordingly, contributions towards embellishment of existing open space for this future development area is reasonable.

Table S4 shows details including cost estimates.

Apportionment of Costs

Future development being considered is expected to be spread throughout the zone and so all development will be required to share the costs for open space embellishment on a proportional basis.

Program for Works and Funding

An indicative time for the provision of each improvement is shown in Table S4, although this may vary depending on the rate of development. The actual time for provision of the various improvements will be dictated by the following thresholds:

Land

To be dedicated at various stages of development.

Embellishment

- Small Parks: to be provided in stages when 25% and 50% of development is released;
- Large Parks: to be provided when all of development is released;
- Sports Fields: to be provided when 70% of development is released.

Contribution Rates

The contribution rates will be calculated by dividing the total estimated costs by the estimated number of Dwelling Units as follows:

Land Component

Contribution Rate = \$450,000 ÷ 286 = \$1,573 per DU

Works (Embellishment) Component

Contribution Rate = \$543,513 ÷ 286 = \$1,900 per DU

3.2.8 Zone 5: Remaining Area of the District

Proposed Development

The remaining area of the District includes all of the Wyong District except for Zones 1 to 4 above.

The proposed development covers medium density development which is predicted to provide an additional population of 615 (equivalent to 263 DU). Single dwelling development in existing urban zones do not require development consent and are not covered by this Plan.

Report Detail

This Plan is based on Council's Open Space Plan with details specific to this area prepared by Council's Landscape Planner, contained in Report No POS 3-1 (September 1992).

Determination of Open Space Requirements

Council's Open Space Plan requires a minimum provision of open space of 3.00 hectares per thousand people (as well as requirements relating to different types of open space, size, distribution, etc). For a population growth of 615 people, a minimum area of an additional 1.85 hectares would be required.

Council's Open Space Plan indicates the various categories of open space as a proportion of total open space requirements as shown in the table below:

Open Space Type	Notional Proportion (%)	Notional Area Required (Ha)
Parks, Fields and Cycleways	75	1.38
Courts	5	0.09
Semi-Natural Area	20	0.37
TOTAL OPEN SPACE	100	1.85

Open Space requirements for the area of this Plan are as follows:

Land Requirements

Assessment of existing open space land shows that there is an excess of land for the existing population and that there is no significant shortfall due to the requirements generated by the future development. Further, there is no concentrated location for this future development for which specific open space sites can be provided. Hence, there will be no requirements for land due to the proposed development.

Embellishment

While there is sufficient open space land within the area of the zone, the level of improvements is not sufficient to cater for the future development being considered. Accordingly, contributions towards embellishment of existing open space for this future development are reasonable.

Cost estimates for embellishment of various types of open space have been calculated as follows:

•	Courts:	\$103.42 per square metre
•	Cycleways, Parks and Fields:	34.13 per square metre
•	Semi-Natural Areas:	\$10.34 per square metre

These cost estimates have been applied to the area requirements in the table above to establish the contributions shown in Table S5.

Current Contributions

There are no current contributions in hand or amounts committed in development consents already issued prior to preparation of this Plan.

Apportionment of Costs

Future development being considered is expected to be spread throughout the zone and so all development will be required to share the costs for open space embellishment on a proportional basis.

Program for Works and Funding

An indicative time for the provision of each improvement is shown in Table S5, although this may vary depending on the rate of development. The actual time for provision of the various improvements will be dictated by the following thresholds:

- Court Improvements: to be provided when 25% of the future population is established;
- Embellishment of Semi-Natural Areas: to be provided when 25% of the future population is established;
- Embellishment of Cycleways, Parks & Fields: to be provided on completion of the future development.

Contribution Rates

The contribution rates will be calculated by dividing the total estimated costs as shown in the attached tables by the estimated number of Dwelling Units as follows:

Land Component

Nil.

Works (Embellishment) Component

Contribution Rate = \$406,845 ÷ 178 = \$2,286 per DU

3.3 Carparking – Wyong Town Centre

3.3.1 Area of Scheme

Development in the commercially zoned area of Wyong Town Centre may require provision of public carparking where all parking is not provided on site by developments. This Plan establishes the basis for payment of contributions for provision of public parking provided in lieu of on site parking in Wyong Town Centre.

3.3.2 Nexus and Apportionment of Cost

As the quantity of parking required cannot be determined in advance of development, the approach to identifying and apportioning costs for parking has been:

- identify land which may be acquired for parking on the fringe of the commercial area or adjacent to existing parking facilities in accordance with Council's parking development strategy;
- identify a land cost per parking space based on 30 square metres of land per space for parking, circulation and landscaping;
- where a range of values exist for fringe land it is assumed that cheaper land will be acquired in preference to more expensive land by a ratio of 3:1;
- allow \$2,500 per space for construction.

3.3.3 **Program for Works and Funding**

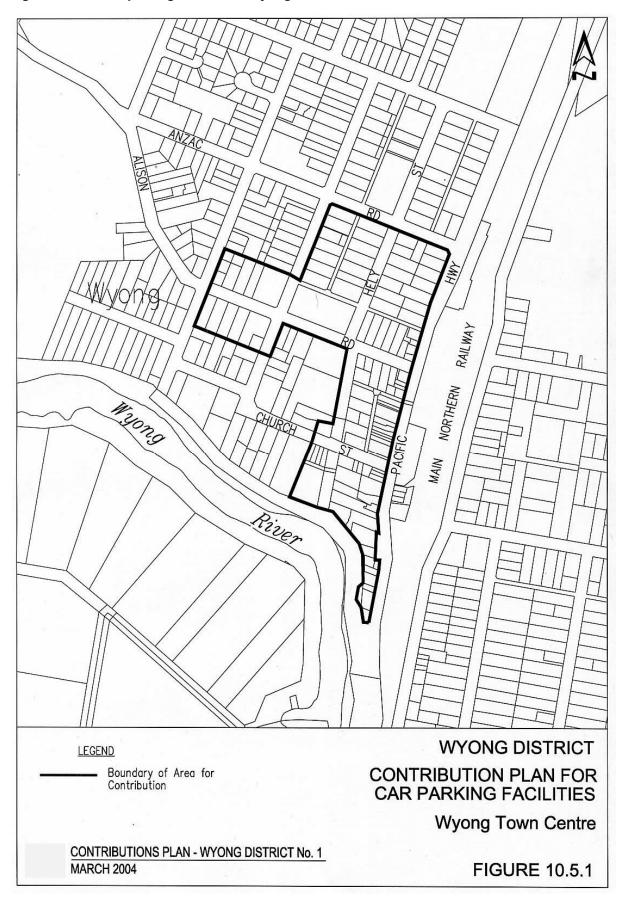
Land acquisition for parking will be undertaken when sufficient funds are available from development and within a reasonable time of receipt of contributions, generally being for a minimum 20 space parking area.

Construction of the parking area will follow immediately after land acquisition.

3.3.4 Contribution Rate

The contribution rate will be calculated based on the average value per square metre for fringe land (including acquisition on costs of 10%) and a construction cost of \$2,500 per space:

Contribution Rate	=	\$195 x 30 + \$2,500
	=	\$8,350 per space
	=	\$9,154 per space (June 2002)





3.4 Local Roads and Intersections

3.4.1 Introduction

This section considers the road and intersection requirements generated as a result of the development in the area of this Plan.

3.4.2 General

The approach to establishing road and intersection requirements for this area has been:

- identify existing road hierarchy and traffic flows;
- predict future road hierarchy and traffic flows generated by existing development or existing zoned areas for which no contributions may be sought when development does proceed, but excluding the proposed development;
- identify road and intersection improvements necessary to cater for these predicted flows;
- predict future road hierarchy and traffic flows generated by all future development including the proposed development;
- identify <u>additional</u> road and intersection improvements necessary to cater for these predicted flows; and
- where necessary, apportion costs of improvements based on traffic flows.

3.4.3 Area of the Scheme

For the purposes of identifying road and intersection improvements this District has been divided into zones as follows:

- Zone 1: Mardi Urban Release Area and Westfield Site
- Zone 2: Watanobbi Urban Release Area
- Zone 3: West Wyong Urban Release Area
- Zone 4: Hue Hue Road Area
- Zone 5: Leewood Close Area, Yarramalong
- Zone 6: Mardi South Urban Release Area
- Zone 7: Wyong Road/Bryant Drive/Pacific Highway and Cobbs Road
- Zone 8: Tuggerah Industrial Estate Stage III

3.4.4 Zone 1: Mardi Urban Release Area (Westfield Area)

Area of the Scheme

This roads scheme relates to all of the Mardi Urban Release Area and to the proposed Westfield Shopping Centre site south of Cobbs Road, as shown in Figure 8.

Report Detail

The road and intersection requirements are based on a traffic report completed by Pak Poy and Kneebone and a technical report completed by Council's Design Section (Report No 363, June 1992).

The traffic study completed for this area indicated that the existing roads and intersections are adequate to cater for existing development and future single dwelling development on existing residential lots.

It also identified that upgrading of certain roads and intersections would be required to cater for the proposed development.

Revised costs for the Johnson Road and Gavenlock Road roundabout and the Johnson Road extension have been based on revised designs and cost estimates prepared by consultants and checked by Council's Development Design and Strategic Planning Engineers, dated January and February 2000.

Scheme Details

The proposed works are described below with further details shown in Table R1 and Figure 8:

- 1 Extension of Johnson Road west of Gavenlock Road, and the provision of a Roundabout at Johnson and Gavenlock Roads including the construction of the cycleway for the length of the Johnson Road extension, and the internal cycleway link adjoining the artificial wetland on the northern extremity of the release area.
- 2 Installation of traffic lights at the intersection of Johnson Road and Pacific Highway.
- 3 Construction of roundabout at the intersection of Tonkiss Street and Cobbs Road and the distributor road.
- 4 Construction of extra width to form the distributor road through the Mardi Release area.
- 5 Construction of cycleway from Tonkiss Street to Gavenlock Road.
- 6 Land for full width of section of distributor road identified in Item 1.



Figure 8 Roads and Intersections – Mardi Urban Release Area

Apportionment of Costs

Apportionment of costs will be on the basis of traffic generated and is summarised as follows (see Table R1 for details):

- Items 1, 4, 5: 100% to Mardi Urban Release Area;
- Item 2: 75% to Mardi Urban Release Area; 25% to Council/RTA;
- Item 3: 16% to Mardi Urban Release Area; 84% to Shopping Centre;
- Item 6: 100% to Mardi Urban Release Area.

Program for Works and Funding

An indicative time for provision of each improvement is shown in Table R1, although this may vary depending on the rate of development. The actual time for provision of the various improvements will be dictated by the following thresholds:

- Johnson Road Extension and Roundabout at Johnson and Gavenlock Roads: to be provided when development of the northern section of the release area is undertaken;
- Johnson Road / Pacific Highway Intersection: to be provided when Johnson Road is completed;
- Tonkiss Street Roundabout: to be provided as part of the first stage of development accessing onto Cobbs Road;
- Distributor Road and Cycleways including Land: to be provided by each developer as development proceeds.

Contribution Rate

Based on the above, cost apportionments are as follows:

Shopping Centre

84% of Item 3	=	84% x \$1,537,348 \$1,291,372
<i>Council / RTA</i>	=	25% x \$258,266
25% of Item 2	=	\$64,567

Mardi Urban Release Area

100% of Items 4, 5 & 6		
+75% of Item 2		
+ 16% of Item 3	=	\$1,260,886 (indexed June 2002)
+ 100% of Item 1	=	\$771,677
	=	\$1,260,886 + \$771,677
	=	\$2,032,563

Mardi Urban Release Area

Contribution Rate	=	\$2,032,563 per ha NDA
	=	\$2,032,563 ÷ 52.86ha NDA
	=	\$38,452 per ha NDA (revised to June 2002)

3.4.5 Zone 2: Watanobbi Urban Release Area

Report Detail

The road and intersection requirements are based on a traffic report completed by Lyle Marshall & Associates and a technical report completed by Council's Design Section (Report No 431, July 1992).

It identified that upgrading of certain roads and intersections would be required to cater for the proposed development.

Scheme Details

The works identified consisted of construction of a two lane roundabout at the intersection of Britannia Drive and the Pacific Highway, together with part construction of Britannia Drive.

Further details are shown in Table R2 and Figure 9.

Apportionment of Costs

Apportionment of costs will be on the basis of traffic generated and is summarised as follows:

•	New Development	8	2%
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Existing Development (funded by Council) 18%

As development throughout the release area will be similar in nature and will generate similar traffic volumes, contribution rates will be calculated on a dwelling unit, or equivalent basis.

Program for Works and Funding

All works were constructed in 1991/92 as shown in Table R2.

Contribution Rate

- Cost ÷ No of DUs
- = 82% x \$1,277,542 ÷ 863
- = \$1,214 per DU

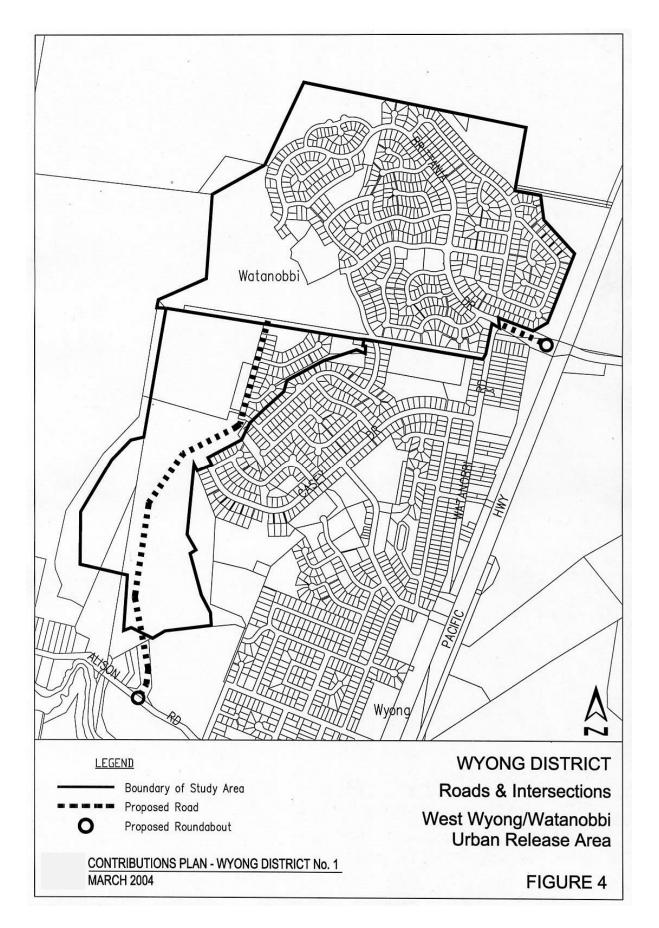


Figure 9 Roads and Intersections – West Wyong / Watanobbi Urban Release Area

3.4.6 Zone 3: West Wyong Urban Release Area

Report Detail

The road and intersection requirements are based on a traffic report completed by Lyle, Marshall & Associates and a technical report completed by Council's Design Section (Report No 430, July 1992).

The traffic study completed for this area indicated that the existing roads and intersections are adequate to cater for existing development and future single dwelling development on existing residential lots.

It identified that upgrading of certain roads and intersections would be required to cater for the proposed development.

Scheme Details

The proposed works are described below with further details shown in Table R3 and Figure 9:

- additional construction width to local road to form distributor road;
- construction of distributor road in areas where there is no development fronting the road (ie. at drainage reserves, open space, etc);
- roundabout at the intersection of Alison Road and De L'Isle Drive;
- land for section of distributor road from Alison Road to commencement of development.

Apportionment of Costs

Apportionment of costs will be on the basis of traffic generated. However, as development throughout the release area will be similar in nature and will generate similar traffic volumes, contribution rates will be calculated on a dwelling unit, or equivalent basis.

Program for Works and Funding

An indicative time for provision of each improvement is shown in Table R3, although this may vary depending on the rate of development. The actual time for provision of the various improvements will be dictated by the following thresholds:

- works for additional width to form distributor road together with parts of distributor road with no development: to be provided as part of the particular development;
- roundabout: to be provided when the first 150 lots have been released.

Contribution Rate

Contribution Rate	=	Cost ÷ No of DUs
	=	1,701,191 ÷ 286
	=	\$5,948 per DU

3.4.7 Zone 4: Hue Hue Road Area

Area of the Scheme

The area of the scheme is that part of the Hue Hue Road Rural Residential Release Area shown in Figure 10.

Report Detail

The road and intersection requirements are based on a technical report completed by Council's Design Section (Report No 427, July 1992).

It identified that upgrading of certain roads and intersections would be required to cater for the proposed development.

Scheme Details

The proposed works are described below with further details shown in Table R4 and Figure 10:

- upgrading of the intersection of St Johns Road and Hue Hue Road to a Type B "T" intersection;
- upgrading of the intersection of Holloway Drive and Hue Hue Road to a Type B four-way intersection;
- upgrading of the intersection of Sandra Street and Hue Hue Road to a Type B four way intersection.

Apportionment of Costs

Apportionment of costs will be on the basis of traffic generated. However, as development throughout the release area will be similar in nature and will generate similar traffic volumes, contribution rates will be calculated on a dwelling unit, or equivalent, basis. This will be converted to a lot basis, with contributions to be charged at time of subdivision for each additional lot.

Program for Works and Funding

An indicative time for provision of each improvement is shown in Table R4, although this may vary depending on the rate of development. The actual time for provision of the various improvements will be dictated by the following thresholds:

- upgrading of St Johns Road intersection to be provided prior to release of the first development requiring access off St Johns Road;
- upgrading of Holloway Drive intersection to be provided as part of the construction of the first section of Holloway Drive to the west;
- upgrading of Sandra Street intersection has already been completed.

Contribution Rate

Based on traffic apportionment identified above, cost apportionments for the total works are as follows:

Contribution Rate = Cost ÷ No of lots = \$684,086 ÷ 155 = \$4,414 per lot*

Note: This rate applies to each additional lot to be created by subdivision.

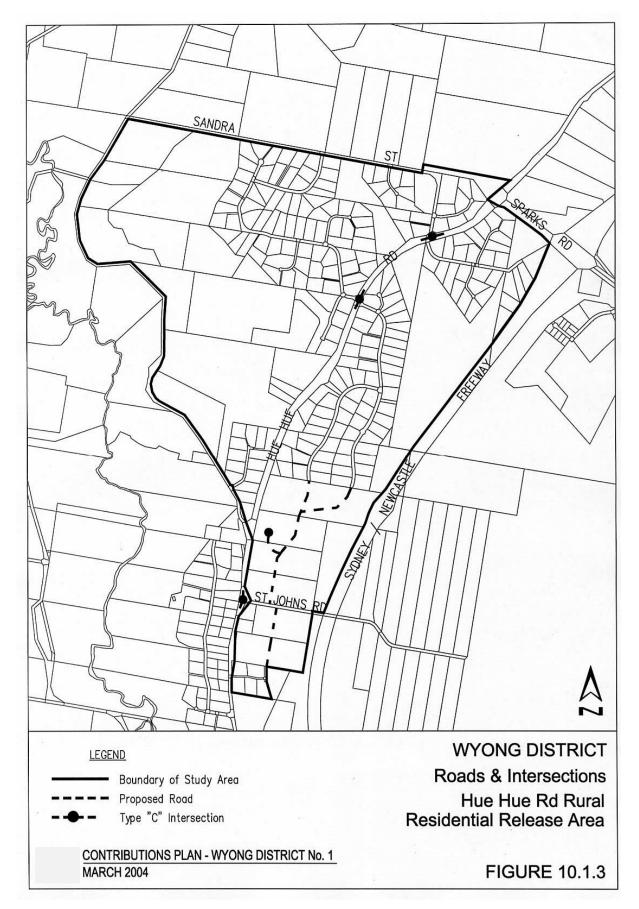


Figure 10 Roads and Intersections – Hue Hue Road Rural Residential Release Area

3.4.8 Zone 5: Leewood Close Area, Yarramalong

Report Detail

The road and intersection requirements are based on a technical report completed by Council's Design Section (Report No 444, August 1992).

Scheme Details

The proposed works are described as follows, with further details shown in Table R5 and Figure 11: construction of Leewood Close to a 6 metre width seal with kerb and gutter and associated drainage.

Apportionment of Costs

Apportionment of costs will be on the basis of traffic generated. However, as development throughout the release area will be similar in nature and will generate similar traffic volumes, contribution rates will be calculated on a dwelling unit, or equivalent basis.

Program for Works and Funding

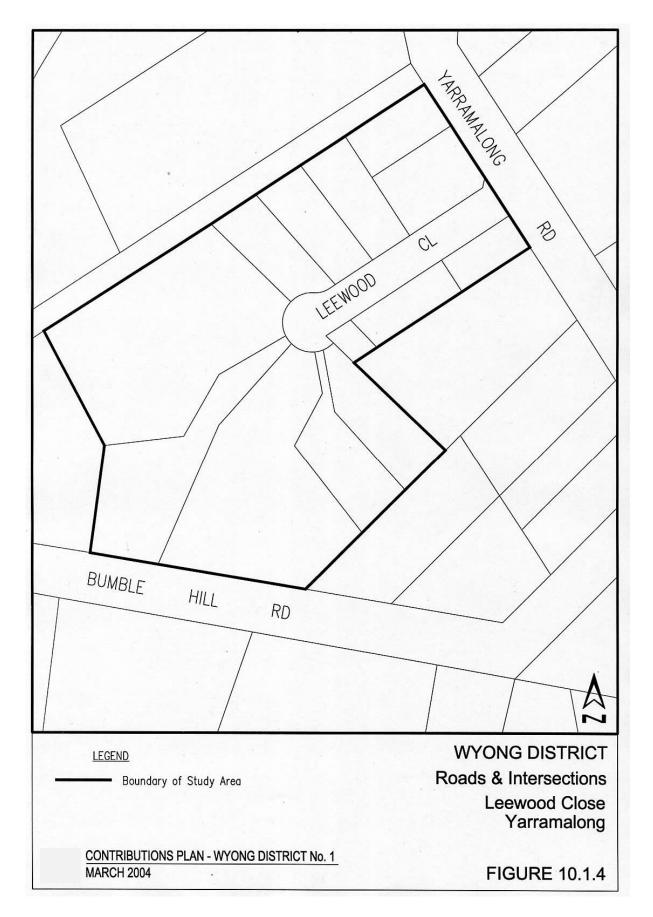
An indicative time for provision of each improvement is shown in Table R5, although this may vary depending on the rate of development.

Contribution Rate

Based on traffic apportionment identified above, cost apportionments for the total works are as follows:

Contribution Rate = Cost ÷ No of DUs

- = \$88,256 ÷ 16
- = \$5,516 per DU





3.4.9 Zone 6: Mardi South Urban Release Area

Area of the Scheme

The area of the scheme is all of the area identified as Mardi South Urban Release Area in Figure 12.

Report Detail

The intersection requirements are based on a technical report completed by Council's Design Section (dated July 1993).

It identified that upgrading of the intersection at the Pacific Highway would be required to cater for the proposed development.

Scheme Details

The proposed works are described as follows with further details shown in Table R6: the provision of a T intersection at the junction of the Pacific Highway Tuggerah and the proposed distributor road into Mardi South Urban Release Area.

Apportionment of Cost

Apportionment of costs will be on the basis of traffic generated. However, as development throughout the release area will be similar in nature and will generate similar traffic volumes, contribution rates will be calculated on a dwelling unit, or equivalent basis.

Program for Works and Funding

An indicative time for the provision of each improvement is shown in Table R5, although this may vary depending on the rate of development.

Contribution Rate

The contribution rate will be calculated by dividing the total estimated costs by the estimated number of dwelling units:

Contribution Rate = Cost ÷ No of DU's

- = \$193,060 ÷ 246
- = \$785 per DU

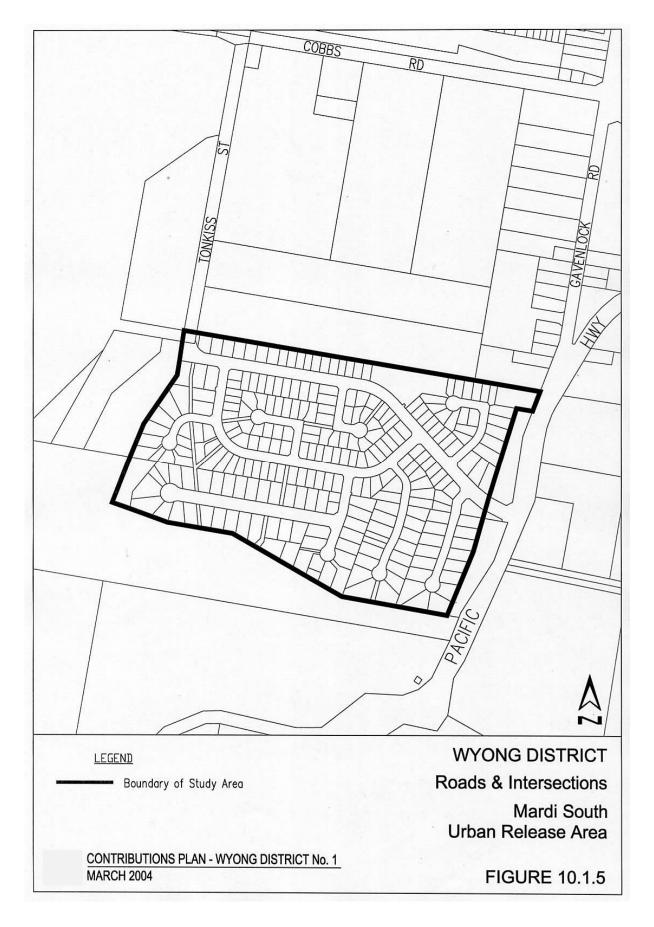


Figure 12 Roads and Intersections – Mardi South Urban Release Area

3.4.10 Zone 7: Wyong Road and Bryant Drive and Pacific Highway, Wyong Road and Cobbs Road

Area of the Scheme

The area of the scheme relates to land zoned 4(d) Special Industrial Business generally bounded by Lake Road, Bryant Drive (north), Main Northern Railway Line, Ourimbah Creek, Wyong Road and Titania Avenue, Tuggerah. It also relates to part of land (8.7 hectares) contained within Portion 25 DP 755263, DP 206598 and Lot 11 DP 585324 and land zoned 4(a) General Industrial within Lots 1 and 2 DP 543729 and Portion 25 DP 755263.

Report Detail

The intersection requirements are based on Technical Report No 1652 completed by Council's Strategic Planning Department.

It has been identified that the upgrading of the intersection is required to cater for the proposed development in the Wyong/Tuggerah area as shown in the following plan.

The existing developments on DP 620891 and DP 654119 and part land zoned 4(a) in Lot 2 DP 543729 have been in existence for a considerable number of years. The previous intersection arrangements at Wyong Road/Bryant Drive and Pacific Highway/Wyong Road/Cobbs Road were adequate to cater for these developments.

Scheme Details

The required works are described below with further details in Technical Report No 1652.

- 1 Construction of a roundabout at the intersection of Wyong Road and Bryant Drive, Tuggerah: the cost of the roundabout works is the difference in cost between the roundabout (rigid pavement) and the previously proposed "sea-gull" type intersection. This is estimated at \$430,199.
- 2 Construction of left turn slip lane from Pacific Highway (southbound traffic) to Wyong Road at Tuggerah: the estimate of cost for the left turn slip lane from Pacific Highway to Wyong Road is \$420,733.

Apportionment of Costs

1 Wyong Road/Bryant Drive Roundabout

The cost of the roundabout at the intersection of Wyong Road and Bryant Drive is to apportioned between the proposed developments shown in Figure 13.

The apportionment of costs (based on predicted traffic generation) to be:

Tuggerah Business Park	52.4%
Supa Centre	19.7%
Other Development (Areas 1, 2 & 3)	27.9%

The cost to be apportioned is \$430,199.

2 Left Turn Slip Lane from Pacific Highway to Wyong Road

The cost of the left turn slip lane from Pacific Highway to Wyong Road is to be apportioned between the Westfield's development and the proposed developments shown in Figure 13.

The apportionment of cost (based on predicted traffic generation) to be:

Westfield's Development	49.0%
Tuggerah Business Park	26.7%
Supa Centre	10.1%
Other Developments (Areas 1, 2 & 3)	14.2%

The cost to be apportioned is \$420,733.

Program for Works and Funding

The timeframe for the works is:

- 1 Wyong Road/Bryant Drive Roundabout constructed in 1995 concurrent with the Supa Centre.
- 2 Left Turn Slip Lane form Pacific Highway to Wyong Road to be carried out concurrent with Wyong Road upgrading by Council/Roads Traffic Authority in 1997.

Contribution Rates

The contribution rates will be calculated as follows.

1 Wyong Road/Bryant Drive Roundabout:

	\$3,181 per ha NDA
Other Development	\$120,266 ÷ 37.8ha
Supa Centre	\$84,916
Tuggerah Business Park	\$225,875

2 Left Turn Slip Lane from Pacific Highway to Wyong Road:

	\$1,584 per ha NDA
Other Development	\$59,864 ÷ 37.8 ha
Supa Centre	\$42,578
Tuggerah Business Park	\$112,561
Westfield's	\$206,571

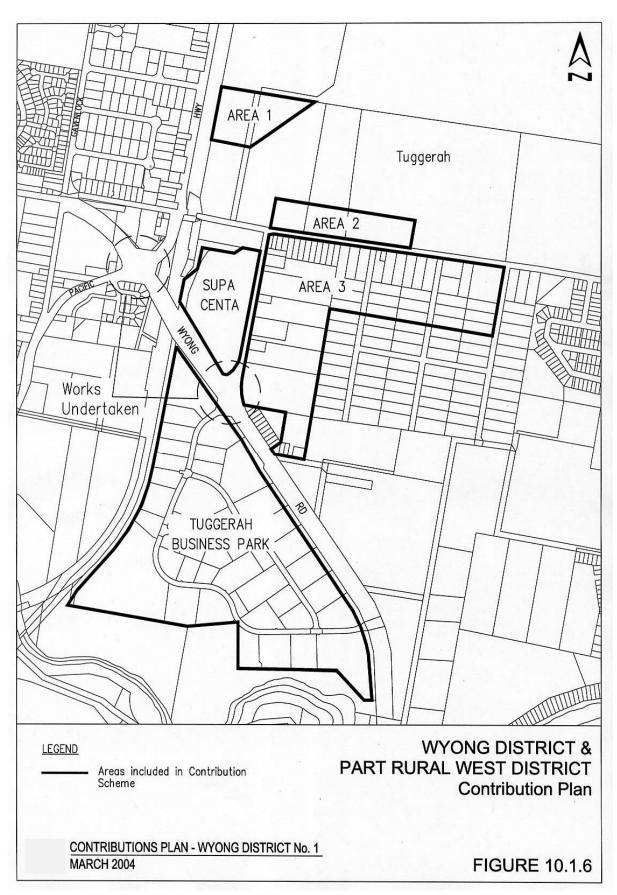


Figure 13 Roads and Intersections – Wyong Road / Bryant Drive / Pacific Highway and Wyong Road / Cobbs Road

3.4.11 Zone 8: Tuggerah Industrial Estate Stage 3 – Roadworks

Area of the Scheme

The area covered by this scheme is that part of the district as shown in Figure 13.

General

In 1995, development of the Tuggerah Supa Centa initiated the need to construct the western side of Bryant Drive for the length of frontage to the Supa Centa. At that time, Council paid a contribution towards the construction of the eastern side of the road with a view to recouping the cost at a later stage when development of the land on the eastern side of Bryant Drive proceeded. The cost of the work attributable to the land on the eastern side of Bryant Drive has been included in this scheme. The construction of Lake Road for the frontage of the scheme area and part of Church Road and Mooramba Road is also included in this scheme.

Report Detail

The details of this scheme are included in Technical Report No 1991 completed by Council's Strategic Planning Department in October 2000.

Scheme Details

The scheme provides for the construction of road works to service the areas shown in Figure 13, which allow for the development of the land for industrial purposes. A table indicating the summary of costs associated with each catchment is set out below.

Table 6Summary of Costs – Construction of Road Works

Component	Cost
Half Road Construction of Bryant Drive	\$147,588
Construction of Lake Road and part of Church Road and Mooramba Ave	\$2,104,392
TOTAL	\$2,251,980

The total area of the land that will benefit from the scheme is 52.19/NDA hectares. A split of the total NDA is shown below.

Table 7Total Area of Land to be Developed

Precinct	NDA
Area 1	12.24
Area 2	10.00
Area 3	21.02
Area 4	8.93
TOTAL	52.19

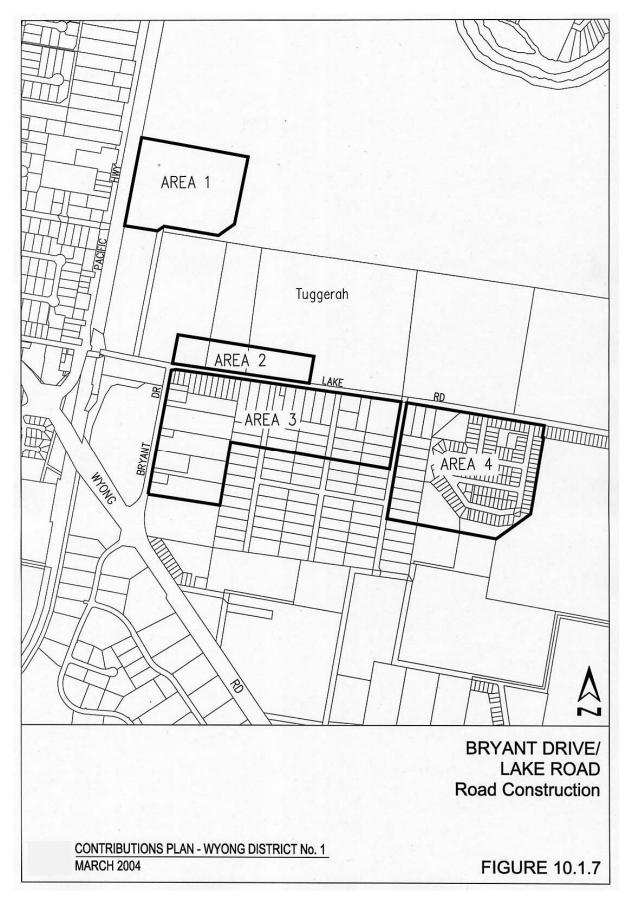


Figure 14 Road Construction – Bryant Drive / Lake Road

Apportionment of Costs

The total cost of the works is to be met by the area shown in Figure 13.

Program for Works and Funding

The construction of Bryant Drive has already occurred. The remaining works under this scheme will occur as development proceeds.

Contribution Rates

The cost of works associated with each component is divided by the net developable area of the scheme.

Contribution (in December 2000 dollars)

Contribution Rate

- Rate = Total cost of works ÷ Net Developable Area
 - = \$2,251,980 ÷ 52.19 NDA
 - = \$43,149 per NDA

3.5 Drainage

3.5.1 Mardi Creek Drainage

Introduction

This section considers the drainage requirements generated as a result of the development in the area of this Plan.

Area of the Scheme

The area covered by this drainage scheme is that part of the District within the Mardi Creek catchment as shown in Figure 15.

It includes the following areas:

- part of the Mardi Urban Release Area;
- Mardi South Urban Release Area;
- proposed Westfield Shopping Centre;
- proposed Meridian Development;
- some existing areas of Mardi;
- proposed Tuggerah Industrial Area Stage 3;
- future development within the area bounded by Gavenlock, Mildon and Cobbs Roads, and the Pacific Highway.

General

The approach to establishing drainage requirements for this area has been:

- carry out a flood study to establish current flood levels for floods with various probabilities of occurrence (eg. 20%, 2%, 1%, etc.) based on existing levels of development;
- use this study to predict future flood flows and levels for floods within the same probability of occurrence based on existing levels of development and development of existing zoned areas, but <u>excluding</u> the proposed development;
- use the study to predict future flood flows and levels with full development of the catchment, including the proposed development;
- identify drainage improvements necessary to handle the predicted flows; and
- where necessary, apportion costs of improvements based on an area or fill volume basis or, where run off characteristics vary from area to area, on actual run-off flows from each area.

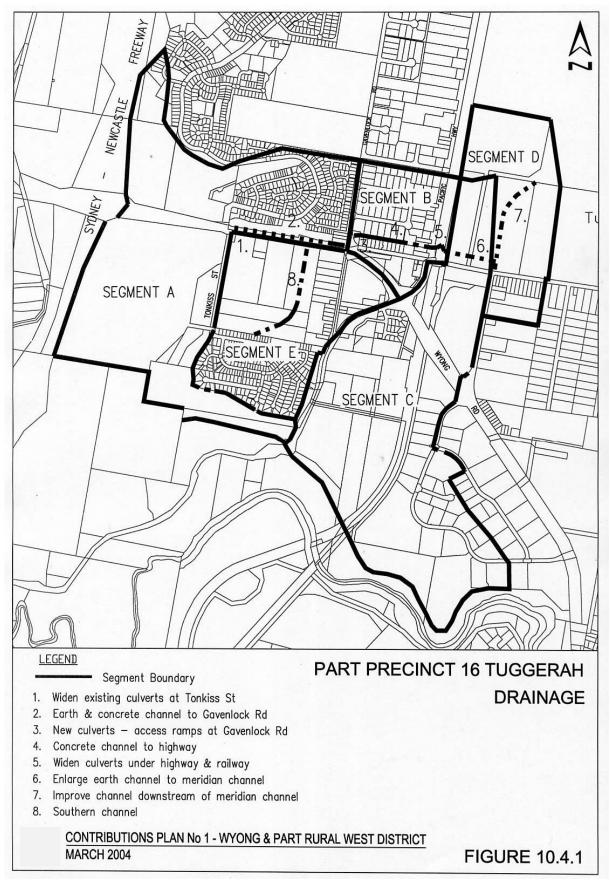


Figure 15 Drainage – Part Precinct 16, Tuggerah

Report Detail

The following reports form the basis for this scheme:

- Upper Wyong River Flood Study, February 1988 Webb McKeown and Associates Pty Ltd;
- Mardi Creek Flood Study, June 1992 Webb McKeown and Associates Pty Ltd;
- Lower Wyong River Flood Study Review, June 1992 Webb McKeown and Associates Pty Ltd;
- Wyong River Flood Plain Management Study, June 1992 Webb McKeown and Associates Pty Ltd;
- Estimates and Preliminary Designs of Components of "Westfield's Scheme B", April 1992 - Sinclair Knight and Partners;
- Comparison of Eight Proposed Schemes, August 1992 Webb McKeown and Associates Pty Ltd;
- Mardi Creek, Tuggerah, Investigation and Concept Design of Flood Mitigation Works, May 1997 - Webb McKeown and Associates Pty Ltd;
- Revision of Mardi Drainage Scheme, August 1998 Webb McKeown and Associates Pty Ltd.

The Mardi Creek Flood Study, June 1992, identifies the existing flood levels within the Tuggerah area due to flooding from Mardi Creek. A somewhat lower level of flooding of the same area can be due to flooding from Wyong River as shown in the Lower Wyong River Flood Study Review, June 1992, and the Upper Wyong River Flood Study, February 1988.

The worsening of flood levels due to various development proposals within Mardi Creek catchment is shown in the Wyong River Flood Plain Management Study, June 1992. This management study also identified feasible schemes of works to overcome these adverse affects and to make some improvement to the existing flood problem.

Due to the overriding flood affects possible from Wyong River, it is not feasible for works within Mardi Creek to protect existing development in that area against flooding from all 1% floods, nor to the 2% standard which are the Council's adopted standards for the area generally and for Tuggerah Industrial Area respectively.

However, the proposed works achieve protection to 5% level, and new development can be established above the 1% levels (with the use of fill in some locations).

The 1997 report provided some design details of downstream components of works and provided alternative items of works to achieve the desired results, notably the provision of a basin adjoining the F3 Freeway which is more economical and environmentally favourable solution.

Scheme Details

The proposed works are described below with further details shown in Table D1.

- culverts under Cobbs Road at Tonkiss Street intersection;
- earth channel between Tonkiss Street and Gavenlock Road;
- culverts and utilities adjustments at Gavenlock Road;
- concrete channel between Gavenlock Road and Pacific Highway;
- duplication of culverts under the Pacific Highway and the Railway;
- earth channel improvements downstream of the Railway;
- southern channel through Westfields;
- land acquisition;
- provision of a detention basin adjacent to the F3 Freeway.

Apportionment of Costs

The area of the scheme is divided into five segments of the Mardi Creek Catchment. These segments are shown on Figure 15.

Developments, both existing and proposed, within each of these five segments will contribute on an area basis to the cost of works within that segment and downstream of the segment, but not upstream of the segment.

This apportionment is consistent with earlier development approvals in the area and recognises the affect of developments on downstream flood levels.

In addition, works required to directly offset the impacts of site filling or any equivalent flood-storage displacement within the area bounded by Cobbs Road, Gavenlock Road, Mildon Road and the Pacific Highway, will be levied on a per cubic metre of fill basis.

Total cost for all works is estimated as \$3.73 million (June 2002 dollars) made up as shown in Table 8 (further details see list of items in Figure 15).

Table 8 Value of Works in each Segment

Segment	Cost of Works Located in Segment	Apportionment of Costs to Segment
Segment A	\$1,352,088	\$1,438,345
Segment B	\$1,297,057	\$229,771
Segment C	\$229,406	\$138,112
Segment D	\$314,846	\$49,881
Segment E	\$557,496	\$1,894,786
TOTAL	\$3,750,894	\$3,750,894

Note: This excludes the \$910,000 towards additional works required to offset the impacts of filling within Segment *B*.

Contribution Rates

Table 9 Segment A

Location	Gross Hectares
Mardi Urban Release Area (Area within Catchment Only)	17.7
Old Abattoirs Site west of Tonkiss Street	25.0
TOTAL	42.7

Contribution Rate

= Cost ÷ Area = \$1,432,920 ÷ 42.7ha

= \$33,558 per ha

Table 10 Segment B

Description	Amount
Existing Industrial and Commercial (WSC)	13.3 hectares
Total Cost to be borne by Council	\$229,771
Future Development entailing site fill or equivalent building displacement (area bounded by Cobbs, Gavenlock, Mildon Roads and the Pacific Highway)	74,000 cubic metres
Specific works to offset impact of filling	\$937,351 (June 2002)

Contribution Rate

- = Cost ÷ cubic metres of fill
- = \$937,351 ÷ 74,000
- = \$12.66 per cubic metre of fill or equivalent displacement

Table 11 Segment C

Location	Area
2(b) at Highway	2.1 hectares
Tuggerah Business Park	35.0 hectares
TOTAL	37.1 hectares

Contribution Rate	=	Cost ÷ Area
	=	\$138,112 ÷ 37.1ha
	=	\$3,723 per ha

Table 12 Segment D

Location	Area
Tuggerah Industrial Estate	25.0 hectares

Contribution Rate	=	Cost ÷ Area
	=	\$49,881 ÷ 25
	=	\$1,995 per ha

Table 13 Segment E

Location	Area
Mardi South Urban Release Area	15.7 hectares
Proposed Westfield Shopping Centre Site	17.3 hectares
Existing 2(b) in Gavenlock Road (WSC)	6.7 hectares
TOTAL	39.7 hectares

Contribution Rate

- Cost ÷ Area = \$1,894,786 ÷ 39.7 = =
 - \$47,728 per ha

10.4.2 Tuggerah Industrial Estate Stage 3 Drainage

Introduction

A drainage scheme incorporating trunk drainage and water quality facilities has been established to facilitate the development of industrial land in the Tuggerah Industrial Estate Stage III.

Area of the Scheme

The area covered by this drainage scheme is that part of the district within the Tuggerah Industrial Area Stage 3 as shown in Figure 16.

General

A drainage concept plan for the industrial area was originally devised in 1990 and presented in a report entitled "Conceptual Report - Tuggerah Industrial Estate - Stage III". A study for Tuggerah Business Park Pty Ltd in 1995 then identified options to upgrade drainage facilities in the area to cater for the Ourimbah Creek overflow.

A review of the previous studies with the aim of formalising the drainage strategies to allow development to proceed in an appropriate manner, was completed in March 2000. The review process established that major trunk drainage works presented some hydraulic and possible environmental problems and were not economically viable.

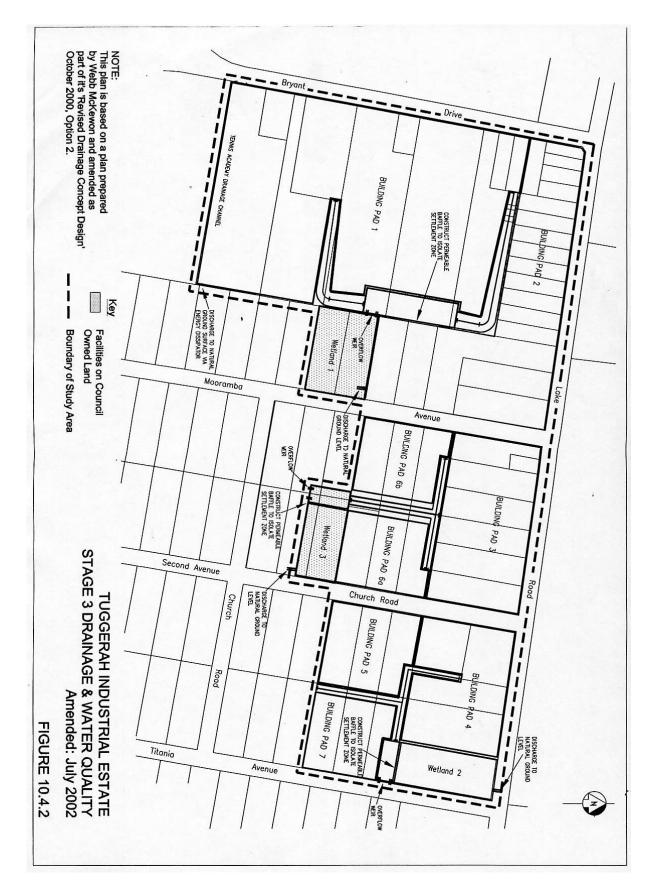
Consideration of a drainage scheme incorporating water quality facilities was recommended and a further study was initiated to review the key hydraulic and environmental concerns and formalise drainage strategies in order to:

- provide a trunk drainage system for the industrial properties capable of containing the 20% AEP storm;
- treat runoff from industrial areas by provision of a wetland, or series of wetlands, to retain pollutants in accordance with Council's standard policies;
- prepare concept plans and cost estimates for the proposed drainage works to facilitate the compilation of a Section 7.11 Contribution Plan; and
- ensure that the extent of development does not adversely effect (Ourimbah Creek to Wyong River) flood levels in the area.

Report Detail

Tuggerah Station Industrial Area - Revised Drainage Concept Design - Webb McKeown - October 2000.

Valuation of Land - State Valuation Office - October 2000.





Scheme Details

The scheme provides for the construction of trunk drainage and water quality facilities to service a number of "building pads" which will be filled to allow for the development of the land for industrial purposes. A table indicating the summary of costs is set out below:

Component	Total
Preliminaries and Temporary Works	\$135,000
Wetlands Construction	\$214,600
Drainage Channel Earthworks	\$171,300
Structural Concrete	\$42,500
Diversion of local (clean) runoff	\$21,400
Service Relocation and Miscellaneous Items	\$75,000
Design	\$32,990
Project Management & Administration	\$46,186
Contingencies	\$95,980
Studies	\$55,059
Sub Total	\$890,015
Land	
Land Acquisition (including valuation costs)	\$532,510
Sub Total	\$532,510
TOTAL	\$1,422,525
	(June 2000)

 Table 14
 Trunk Drainage and Water Quality Facilities – Summary of Costs

Several components of the scheme are situated on Council owned operational land. The cost of land acquisition for these Council owned sections has been excluded from the scheme. The remaining area (channels, baffles and wetland No 2) have been included. The value for the land has been assessed as \$231,000/ha. This figure includes a 5% margin for acquisition costs and valuations. A contingency of \$30,000 has been included to cover the possibility of relocating wetland no. 2 to the northern side of Lake Rd.

"Building Pads" have been identified as areas suitable to be filled which will enable them to be developed. These "building pads" have a combined area of 19.03 NDA hectares.

Apportionment of Costs

The costs associated with the scheme will be apportioned over the land, as shown on Figure 16, which benefits from the works of the scheme.

Program for Works and Funding

The trunk drainage and associated water quality facilities are to be constructed as development of the area proceeds. Generally, water quality controls should be the first drainage elements constructed. Channels are to be progressively extended from downstream in conjunction with development phasing.

Contribution Rates

The contribution rate has been calculated separately for land acquisition and works. The cost of works associated with each component is divided by the net developable area of the building pads within the scheme.

Land

Contribution Rate	= = =	Total cost of land acquisition ÷ Net Developable Area \$532,510 ÷ 19.03 NDA \$27,988 per NDA
Works		
Contribution Rate	=	Total cost of works ÷ Net Developable Area

Contribution Rate	=	Total cost of works + Net Developable Area
	=	\$910,565 (June 2002) ÷ 19.03 NDA
	=	\$47,849 per NDA

Planning Studies 3.6

3.6.1 Introduction

Planning studies were undertaken by Council to enable development of an Environmental Study, Local Environmental Plan, Development Control Plan and this Contributions Plan.

3.6.2 **Area of Scheme**

These studies are specific to the Mardi Urban Release Area.

3.6.3 **Scheme Details**

The studies include:

- Traffic Study (Pak-Poy and Kneebone, 1990);
- Roadworks Design and Costing (Wyong Shire Council, 1991);
- Urban Capability Survey (Soil Conservation Service of New South Wales, 1991);
- Aesthetics (Land Systems EBC Pty Ltd, 1991); and
- Open Space Land Valuation (Robertson and Robertson, 1993).

3.6.4 **Appointment of Costs**

The studies relate to the full development of Mardi Urban Release Area and as all development within the Area will contribute on a proportional basis.

3.6.5 **Program of Works**

All studies have been completed.

3.6.6 **Contribution Rate**

The contribution rate will be calculated by dividing the total estimated costs as shown in Table P1 by the estimated net developable area (NDA).

Contribution Rate =		\$37,000 ÷ 52.86ha NDA
	=	\$700 per ha NDA (June 1992)
	=	\$771 (indexed lune 2002)

\$771 (indexed June 2002)

Appendix A Schedule of Works

Table R1 Schedule of Works: Roads and Intersections – Mardi

	Est Cost				F	orecast l	Developr (\$ x 10	nent (Ha 00)	NDA)			
Item	(\$ x 1000)	0	5	11	16	21	26	32	37	42	48	53
Works Expenditure												
(June 1992 & Feb 2000 costs - all indexed to Dec 2001)												
1 Johnson Road Extension / RAB / assoc. cycleway	770	0	0	0	0	0	0	770	0	0	0	0
2 Johnson Road/Pacific Hwy Intersection (part)	258	0	0	0	0	0	0	0	0	0	0	258
3 Tonkiss Street Roundabout	1537	0	1537	0	0	0	0	0	0	0	0	0
4 Distributor Road	646	0	0	0	646	0	0	0	0	0	0	0
5 Cycleway - Tonkiss to Gavenlock	120	0	0	0	0	0	0	0	0	0	0	120
6 Land for Distributor Road	50	0	0	0	0	0	0	50	0	0	0	0
Total Expenditure	3382	0	1537	0	646	0	0	820	0	0	0	378
Income (\$ x 1000)												
Developer Contributions Under This Plan	2029	0	203	203	203	203	203	203	203	203	203	203
Council Contribution Required	65	0	0	0	0	0	0	0	0	0	0	65
Other Income (interest/grants etc.)	1291	0	0	0	0	0	0	0	0	0	0	1291
Contributions on Hand (incl. old funds)	0	0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents	0	0	0	0	0	0	0	0	0	0	0	0
Total Income	3384	0	203	203	203	203	203	203	203	203	203	1559
Contribution Cash Flow		0	-1334	-1132	-1575	-1372	-1169	-1787	-1584	-1381	-1178	2
Council Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance		0	-1334	-1132	-1575	-1372	-1169	-1787	-1584	-1381	-1178	2

Contribution Rate ('000s)	38.38
Current/Approved ha (if applic)	0
Remaining ha	52.86
Total Scheme ha	52.86

Table R2 Schedule of Works: Roads & Intersections - Watanobbi

	Est Cost	Forecast Development (DU) (\$ x 1000)										
Item	(\$ x 1000)	0	86	173	259	345	432	518	604	690	777	863
Works Expenditure												
Roundabout and lead-in road	1275	0	1275	0	0	0	0	0	0	0	0	0
Total Expenditure	1275	0	1275	0	0	0	0	0	0	0	0	0
Income (\$ x 1000)												
Developer Contributions Under This Plan	1046	0	105	105	105	105	105	105	105	105	105	105
Council Contribution Required	224	0	0	0	0	0	0	0	0	0	0	224
Other Income (interest/grants etc.)	0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)	0	0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents	0	0	0	0	0	0	0	0	0	0	0	0
Total Income	1270	0	105	105	105	105	105	105	105	105	105	329
Contribution Cash Flow		0	-1170	-1066	-961	-857	-752	-647	-543	-438	-334	-5
Council Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance		0	-1170	-1066	-961	-857	-752	-647	-543	-438	-334	-5

Contribution Rate ('000s)	1.212
Current/Approved DU (if applic)	0
Remaining DU	863
Total Scheme DU	863

Table R3 Schedule of Works: Roads & Intersections - West Wyong

	Est Cost	Forecast Development (DU) (\$ x 1000)										
Item	(\$ x 1000)	0	29	57	86	114	143	172	200	229	257	286
Works Expenditure (June 1992 Costs indexed to December 2001)												
De L'Isle Drive	977	0	977	0	0	0	0	0	0	0	0	0
Roundabout	623	0	0	0	623	0	0	0	0	0	0	0
Land	98	0	0	0	98	0	0	0	0	0	0	0
Total Expenditure	1698	0	977	0	721	0	0	0	0	0	0	0
Income (\$ x 1000)												
Developer Contributions Under This Plan	1698	0	170	170	170	170	170	170	170	170	170	170
Council Contribution Required	0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)	0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)	0	0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents	0	0	0	0	0	0	0	0	0	0	0	0
Total Income		0	170	170	170	170	170	170	170	170	170	170
Contribution Cash Flow		0	-807	-637	-1188	-1019	-849	-679	-509	-340	-170	0
Council Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance		0	-807	-637	-1188	-1019	-849	-679	-509	-340	-170	0

Contribution Rate ('000s)	5.936
Current/Approved DU (if applic)	0
Remaining DU	286
Total Scheme DU	286

Table R4 Schedule of Works: Roads & Intersections - Hue Hue Road

	Est Cost	Forecast Development (DU) (\$ x 1000)										
Item	(\$ x 1000)	0	16	31	47	62	78	93	109	124	140	155
Works Expenditure (June 1992 costs)												
St Johns Road Intersection	237	0	0	0	0	0	237	0	0	0	0	0
Holloway Drive Intersection	276	0	276	0	0	0	0	0	0	0	0	0
Sandra Street	170	0	0	170	0	0	0	0	0	0	0	0
Total Expenditure	683	0	276	170	0	0	237	0	0	0	0	0
Income (\$ x 1000)												
Developer Contributions Under This Plan	683	0	68	68	68	68	68	68	68	68	68	68
Council Contribution Required	0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)	0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)	0	0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents	0	0	0	0	0	0	0	0	0	0	0	0
Total Income	683	0	68	68	68	68	68	68	68	68	68	68
Contribution Cash Flow		0	-208	-309	-241	-173	-341	-273	-205	-137	-68	0
Council Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance		0	-208	-309	-241	-173	-341	-273	-205	-137	-68	0

Contribution Rate ('000s)	4.405
Current/Approved DU (if applic)	0
Remaining DU	155
Total Scheme DU	155

Table R5 Schedule of Works: Roads & Intersections - Leewood Close

	Est Cost	Forecast Development (DU) (\$ x 1000)										
Item	(\$ x 1000)	0	2	3	5	6	8	10	11	13	14	16
Works Expenditure (June 1992 costs)												
Construction of Leewood Close	88	0	0	0	0	0	88	0	0	0	0	0
Total Expenditure	88	0	0	0	0	0	88	0	0	0	0	0
Income (\$ x 1000)												
Developer Contributions Under This Plan	88	0	9	9	9	9	9	9	9	9	9	9
Council Contribution Required		0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)		0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)		0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents		0	0	0	0	0	0	0	0	0	0	0
Total Income		0	9	9	9	9	9	9	9	9	9	9
Contribution Cash Flow		0	9	18	26	35	-44	-35	-26	-18	-9	0
Council Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance		0	9	18	26	35	-44	-35	-26	-18	-9	0

Contribution Rate ('000s)	5.505	
Current/Approved DU (if applic)	0	
Remaining DU	16	
Total Scheme DU	16	

Table R6 Schedule of Works: Roads & Intersections - Mardi South

	Est Cost	Est Cost (\$ x 1000)										
Item	(\$ x 1000)	0	25	49	74	98	123	148	172	197	221	246
Works Expenditure												
"T" Intersection - Pacific Highway	193	0	0	0	193	0	0	0	0	0	0	0
Total Expenditure	193	0	0	0	193	0	0	0	0	0	0	0
Income (\$ x 1000)												
Developer Contributions Under This Plan		0	19	19	19	19	19	19	19	19	19	19
Council Contribution Required		0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)		0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)		0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents		0	0	0	0	0	0	0	0	0	0	0
Total Income		0	19	19	19	19	19	19	19	19	19	19
Contribution Cash Flow		0	19	39	-135	-116	-96	-77	-58	-39	-19	0
Council Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance		0	19	39	-135	-116	-96	-77	-58	-39	-19	0

Contribution Rate ('000s)	0.783
Current/Approved DU (if applic)	0
Remaining DU	246
Total Scheme DU	246

Table R6 Schedule of Works: Roads & Intersections - Wyong Road / Bryant Drive

	Est Cost						Developn (\$ x 1000)		I			
Item	(\$ x 1000)	0	4	8	11	15	19	23	26	30	34	38
Works Expenditure												
Wyong Rd/Bryant Dr RAB	430	0	430	0	0	0	0	0	0	0	0	0
Left Turn slip lane	421	0	421	0	0	0	0	0	0	0	0	0
Total Expenditure	851	0	851	0	0	0	0	0	0	0	0	0
Income (\$ x 1000)												
Developer Contributions Under This Plan	180	0	18	18	18	18	18	18	18	18	18	18
Council Contribution Required	0	0	0	0	0	0	0	0	0	0	0	0
Tuggerah Business Park	338	0	338	0	0	0	0	0	0	0	0	0
Supa Centa	127	0	127	0	0	0	0	0	0	0	0	0
Westfields	206	0	206	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)	0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)	0	0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents	0	0	0	0	0	0	0	0	0	0	0	0
Total Income	851	0	689	18	18	18	18	18	18	18	18	18
Contribution Cash Flow		0	-162	-144	-126	-108	-90	-72	-54	-36	-18	0
Council Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance		0	-162	-144	-126	-108	-90	-72	-54	-36	-18	0

Contribution Rate ('000s)	4.76
Current/Approved NDA (if applic)	0
Remaining NDA	37.8
Total Scheme NDA	37.8

Table R6 Schedule of Works: Roads & Intersections - Tuggerah Industrial Area Stage 3

	Est Cost				F				J)		Forecast Development (DU) (\$ x 1000)									
ltem	(\$ x 1000)	0	5	10	16	21	26	31	37	42	47	52								
Works Expenditure																				
Half Road Construction of Bryant Dr	147	0	147	0	0	0	0	0	0	0	0	0								
Construction of Lake Rd & Part of Church Rd & Mooramba Ave	2100		210	210	210	210	210	210	210	210	210	210								
Total Expenditure	2247	0	357	210	210	210	210	210	210	210	210	210								
Income (\$ x 1000)																				
Developer Contributions Under This Plan	2248	0	225	225	225	225	225	225	225	225	225	225								
Council Contribution Required		0	0	0	0	0	0	0	0	0	0	0								
Other Income (interest/grants etc.)		0	0	0	0	0	0	0	0	0	0	0								
Contributions on Hand (incl. old funds)		0	0	0	0	0	0	0	0	0	0	0								
Contributions From Existing Consents		0	0	0	0	0	0	0	0	0	0	0								
Total Income	2248	0	225	225	225	225	225	225	225	225	225	225								
Contribution Cash Flow		0	-132	-117	-103	-88	-73	-58	-44	-29	-14	1								
Council Bankrolling		0	0	0	0	0	0	0	0	0	0	0								
Developer Bankrolling		0	0	0	0	0	0	0	0	0	0	0								
Total Bankrolling		0	0	0	0	0	0	0	0	0	0	0								
Adjusted Period Balance		0	-132	-117	-103	-88	-73	-58	-44	-29	-14	1								

Contribution Rate ('000s)	43.065
Current/Approved NDA (if applic)	0
Remaining NDA	52.19
Total Scheme NDA	52.19

Table C1A Schedule of Works: Community Facilities – Mardi

	Area (m²)	Rate (\$ x 1000	Est Cost (\$ x 1000)	Forecast Development (DU) (\$ x 1000)										
Item		\$/sq m)		0	10	20	30	40	51	61	71	81	91	101
Works Expenditure (1992 costs indexed to Nov 1999)														
Community Centre Floorspace	196	2.793	547	0	0	0	547	0	0	0	0	0	0	0
Total Expenditure			547	0	0	0	547	0	0	0	0	0	0	0
Income (\$ x 1000)														
Developer Contributions Under This Plan			254	0	25	25	25	25	25	25	25	25	25	25
Council Contribution Required			0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)			137	0	137	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents			157	0	157	0	0	0	0	0	0	0	0	0
Total Income			548	0	319	25	25	25	25	25	25	25	25	25
Contribution Cash Flow				0	319	345	-177	-152	-126	-101	-76	-50	-25	1
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	319	345	-177	-152	-126	-101	-76	-50	-25	1

Contribution Rate ('000s)	2.516
Current/Approved DU (if applic)	1003
Remaining DU	101
Total Scheme DU	1104

Table C1B Schedule of Works: Community Facilities Land - Mardi

	Area	Rate	Est Cost	Forecast Development (DU) (\$ x 1000)										
Item	(m²)	(x 1000)	(\$ x 1000)	0	0	1	1	1	2	2	2	3	3	3
Works Expenditure														
Community Facilities Land	5.635	20	113	0	0	0	0	0	113	0	0	0	0	0
Total Expenditure			113	0	0	0	0	0	113	0	0	0	0	0
Income (\$ x 1000)														
Developer Contributions Under This Plan			11	0	1	1	1	1	1	1	1	1	1	1
Council Contribution Required			0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)			87	0	87	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents			15	0	15	0	0	0	0	0	0	0	0	0
Total Income			113	0	103	1	1	1	1	1	1	1	1	1
Contribution Cash Flow				0	103	104	105	107	-5	-4	-3	-2	-1	1
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	103	104	105	107	-5	-4	-3	-2	-1	1

Contribution Rate ('000s)	3.525	
Current/Approved NDA(if applic)	49.66	
Remaining NDA	3.2	
Total Scheme NDA	52.86	

	Area	Rate (\$ x 1000	Est Cost	Forecast Development (DU) (\$ x 1000)										
ltem	(m²)	\$/sq m)	(\$ x 1000)	0	29	57	86	114	143	172	200	229	257	286
Works Expenditure (June 1992 costs)														
Community Centre Floorspace	344	2.793	961	0	0	0	961	0	0	0	0	0	0	0
Total Expenditure			961	0	0	0	961	0	0	0	0	0	0	0
Income (\$ x 1000)														
Developer Contributions Under This Plan			719	0	72	72	72	72	72	72	72	72	72	72
Council Contribution Required			0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)			4	0	4	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents			239	0	239	0	0	0	0	0	0	0	0	0
Total Income			962	0	315	72	72	72	72	72	72	72	72	72
Contribution Cash Flow				0	315	387	-502	-430	-358	-286	-214	-143	-71	1
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	315	387	-502	-430	-358	-286	-214	-143	-71	1

Table C2A Schedule of Works: Community Facilities Works - Watanobbi & West Wyong

Contribution Rate ('000s)	2.514
Current/Approved DU (if applic)	1052
Remaining DU	286
Total Scheme DU	1338

	Area	Rate (\$ x 1000	Est Cost	Forecast Development (DU) (\$ x 1000)										
Item	(m²)	\$/sq m)	(\$ x 1000)	0	29	57	86	114	143	172	200	229	257	286
Works Expenditure														
Community Facilities Land	5.106	20	102	0	0	0	0	0	0	0	0	0	102	0
Total Expenditure			102	0	0	0	0	0	0	0	0	0	102	0
Income (\$ x 1000)														
Developer Contributions Under This Plan			32	0	3	3	3	3	3	3	3	3	3	3
Council Contribution Required			0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)			52	0	52	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents			18	0	18	0	0	0	0	0	0	0	0	0
Total Income			102	0	73	3	3	3	3	3	3	3	3	3
Contribution Cash Flow				0	73	76	80	83	86	89	92	96	-3	0
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	73	76	80	83	86	89	92	96	-3	0

Table C2B Schedule of Works: Community Facilities Land - Watanobbi & West Wyong

Contribution Rate ('000s)	0.112
Current/Approved DU (if applic)	1052
Remaining DU	286
Total Scheme DU	1338

	Area	Rate (\$ x 1000	Est Cost				Fo		evelopi \$ x 1000	-	U)			
Item	(m²)	\$/sq m)	(\$ x 1000)	0	16	33	49	66	82	98	115	131	148	164
Works Expenditure														
Community Centre Floorspace	224	2.793	626	0	0	0	0	0	0	0	0	0	0	626
Total Expenditure			626	0	0	0	0	0	0	0	0	0	0	626
Income (\$ x 1000)														
Developer Contributions Under This Plan			412	0	41	41	41	41	41	41	41	41	41	41
Council Contribution Required			0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)			177	0	177	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents			37	0	37	0	0	0	0	0	0	0	0	0
Total Income			626	0	255	41	41	41	41	41	41	41	41	41
Contribution Cash Flow				0	255	296	338	379	420	461	503	544	585	1
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	255	296	338	379	420	461	503	544	585	1

Table C3A Schedule of Works: Community Facilities Works - Remainder of District

Contribution Rate ('000s)	2.514
Current/Approved DU (if applic)	0
Remaining DU	164
Total Scheme DU	164

	Area	Rate (\$ x 1000	Est Cost				Fo		Developr \$ x 1000		U)			
Item	(m²)	\$/sq m)	(\$ x 1000)	0	16	33	49	66	82	98	115	131	148	164
Works Expenditure														
Community Facilities Land	1.096	180	197	0	0	0	0	0	0	0	0	0	0	138
Total Expenditure			197	0	0	0	0	0	0	0	0	0	0	138
Income (\$ x 1000)														
Developer Contributions Under This Plan			165	0	17	17	17	17	17	17	17	17	17	17
Council Contribution Required			0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)			20	0	20	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents			12	0	12	0	0	0	0	0	0	0	0	0
Total Income			197	0	49	17	17	17	17	17	17	17	17	17
Contribution Cash Flow				0	49	65	82	98	115	131	148	164	181	59
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	49	65	82	98	115	131	148	164	181	59

Table C3B Schedule of Works: Community Facilities Land - Remainder of District

Contribution Rate ('000s)	1.008
Current/Approved DU (if applic)	0
Remaining DU	164
Total Scheme DU	164

Table S1A	Schedule of Works: Open Space Works - Mardi URA
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	Area	Rate (\$ x 1000	Est Cost				Fo		evelopi \$ x 1000	ment (D))	U)			
Item	(m²)	\$/sq m)	(\$ x 1000)	0	110	221	331	442	552	662	773	883	994	1104
Works Expenditure														
Small Park (P1)	6000	0.011	66	0	0	66	0	0	0	0	0	0	0	0
Small Park (P3)	6000	0.01075	66	0	0	0	66	0	0	0	0	0	0	0
Small Park (P6)	6000	0.01075	66	0	0	0	66	0	0	0	0	0	0	0
Large Park (P2)	12000	0.005	61	0	0	0	0	61	0	0	0	0	0	0
Large Park (P4)	16000	0.001	18	0	0	0	0	18	0	0	0	0	0	0
Large Park (P7) - Playground			26	0	0	0	0	0	0	0	0	0	0	26
Large Park (P7) - Kickaround Area			41	0	0	0	0	0	0	0	0	0	0	41
Semi-natural (P5)	18000	0.0011	20	0	0	0	0	0	0	0	0	0	20	0
Courts	4207	0.103	476	0	0	0	0	0	0	0	0	0	0	476
Fields	23388	0.034	798	0	0	0	0	0	0	0	0	0	0	798
Total Expenditure			1636	0	0	66	132	79	0	0	0	0	20	1340
Income (\$ x 1000)														
Developer Contributions Under This Plan			1637	0	164	164	164	164	164	164	164	164	164	164
Council Contribution Required			0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents			0	0	0	0	0	0	0	0	0	0	0	0
Total Income			1637	0	164	164	164	164	164	164	164	164	164	164
Contribution Cash Flow				0	164	261	293	378	542	705	869	1033	1177	0
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	164	261	293	378	542	705	869	1033	1177	0

Contribution Rate ('000s)	1.483
Current/Approved DU (if applic)	0
Remaining DU	1104
Total Scheme DU	1104

Table S1B Schedule of Works: Open Space Land - Mardi URA

	Area	Rate (\$ x 1000	Est Cost				Fo		Developi \$ x 1000	-	a)			
Item	(m ²)	\$/sq m)	(\$ x 1000)	0	5	11	16	21	26	, 32	37	42	48	53
Works Expenditure														
Small Park (P1)	6000		15	0	0	0	0	0	0	15	0	0	0	0
Small Park (P3)	6000		22	0	0	0	0	0	22	0	0	0	0	0
Small Park (P6)	6000		52	0	52	0	0	0	0	0	0	0	0	0
Large Park (P2)	12000		26	0	0	0	0	0	26	0	0	0	0	0
Large Park (P4)	16000		15	0	0	0	15	0	0	0	0	0	0	0
Semi-Natural (P5)	18000		339	0	0	0	0	0	0	0	339	0	0	0
Total Expenditure			469	0	52	0	15	0	48	15	339	0	0	0
Income (\$ x 1000)														
Developer Contributions Under This Plan			469	0	47	47	47	47	47	47	47	47	47	47
Council Contribution Required			0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents			0	0	0	0	0	0	0	0	0	0	0	0
Total Income			469	0	47	47	47	47	47	47	47	47	47	47
Contribution Cash Flow				0	-5	42	74	121	120	151	-141	-94	-47	0
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	-5	42	74	121	120	151	-141	-94	-47	0

Contribution Rate ('000s)	8.8725
Current/Approved ha (if applic)	0
Remaining ha	52.86
Total Scheme ha	52.86

Table S2A Schedule of Works: Open Space Works - Mardi South

	Area	Rate (\$ x 1000	Est Cost	Forecast Development (DU) (\$ x 1000)										
Item	(m²)	\$/sq m)	(\$ x 1000)	0	25	49	74	98	123	148	172	197	221	246
Works Expenditure														
Small Park			56	0	0	0	0	56	0	0	0	0	0	0
Large Park			61	0	0	0	0	0	0	0	0	61	0	0
Courts			49	0	0	0	0	0	0	0	0	0	0	49
Sports Fields			156	0	0	0	0	0	0	0	0	0	0	156
Total Expenditure			321	0	0	0	0	56	0	0	0	61	0	205
Income (\$ x 1000)														
Developer Contributions Under This Plan			321	0	32	32	32	32	32	32	32	32	32	32
Council Contribution Required			0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents			0	0	0	0	0	0	0	0	0	0	0	0
Total Income			321	0	32	32	32	32	32	32	32	32	32	32
Contribution Cash Flow				0	32	64	96	73	105	137	169	140	173	0
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	32	64	96	73	105	137	169	140	173	0

Contribution Rate ('000s)	1.306
Current/Approved DU (if applic)	0
Remaining DU	246
Total Scheme DU	246

Table S2B Schedule of Works:Open Space Land - Mardi South

	Area	Rate (\$ x 1000	Est Cost				Fo		evelopr \$ x 1000		U)			
Item	(m²)	\$/sq m)	(\$ x 1000)	0	25	49	74	98	123	148	172	197	221	246
Works Expenditure (June 1992 costs)														
Small Park	5000	0.02	100	0	0	0	0	100	0	0	0	0	0	0
Large Park	11548	0.02	231	0	0	0	0	0	0	0	0	231	0	0
Total Expenditure			331	0	0	0	0	100	0	0	0	231	0	0
Income (\$ x 1000)														
Developer Contributions Under This Plan			331	0	33	33	33	33	33	33	33	33	33	33
Council Contribution Required			0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents			0	0	0	0	0	0	0	0	0	0	0	0
Total Income			331	0	33	33	33	33	33	33	33	33	33	33
Contribution Cash Flow				0	33	66	99	32	65	99	132	-66	-33	0
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	33	66	99	32	65	99	132	-66	-33	0

Contribution Rate ('000s)	1.345
Current/Approved DU (if applic)	0
Remaining DU	246
Total Scheme DU	246

Table S3A Schedule of Works: Open Space Works – Watanobbi

	Area	Rate (\$ x 1000	Est Cost				Fo		evelopi \$ x 1000	ment (D	U)			
Item	(m²)	\$/sq m)	(\$ x 1000)	0	87	173	260	347	434	520	607	694	780	867
Works Expenditure														
Small Park	2000	0.0094	19	0	0	0	19	0	0	0	0	0	0	0
Small Park	4400	0.0068	30	0	0	0	0	0	30	0	0	0	0	0
Small Park	4400	0.0125	55	0	0	0	0	0	0	0	0	0	55	0
Large Park	15400	0.0019	29	0	0	0	0	29	0	0	0	0	0	0
Large Park	18400	0.0069	127	0	0	0	0	0	0	0	0	0	127	0
Sports Fields	23560	0.0124	292	0	0	0	0	0	0	0	0	0	0	292
Total Expenditure			552	0	0	0	19	29	30	0	0	0	182	292
Income (\$ x 1000)														
Developer Contributions Under This Plan			553	0	55	55	55	55	55	55	55	55	55	55
Council Contribution Required			0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents			0	0	0	0	0	0	0	0	0	0	0	0
Total Income			553	0	55	55	55	55	55	55	55	55	55	55
Contribution Cash Flow				0	55	111	147	173	199	254	309	365	238	1
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	55	111	147	173	199	254	309	365	238	1

Contribution Rate ('000s)	0.638
Current/Approved DU (if applic)	0
Remaining DU	867
Total Scheme DU	867

Table S3B Schedule of Works: Open Space Land - Watanobbi

	Area	Rate (\$ x 1000	Est Cost	Forecast Development (DU) (\$ x 1000)										
Item	(m²)	\$/sq m)	(\$ x 1000)	0	87	173	260	347	434	520	607	694	780	867
Works Expenditure														
Small Parks	10800	0.02	216	0	0	0	128	0	0	0	0	88	0	0
Large Parks	33800	0.02	676	0	0	0	0	308	0	0	0	0	368	0
Total Expenditure			892	0	0	0	128	308	0	0	0	88	368	0
Income (\$ x 1000)														
Developer Contributions Under This Plan			892	0	89	89	89	89	89	89	89	89	89	89
Council Contribution Required				0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)				0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)				0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents				0	0	0	0	0	0	0	0	0	0	0
Total Income			892	0	89	89	89	89	89	89	89	89	89	89
Contribution Cash Flow				0	89	178	140	-79	10	99	189	190	-89	0
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	89	178	140	-79	10	99	189	190	-89	0

Contribution Rate ('000s)	1.029
Current/Approved DU (if applic)	0
Remaining DU	867
Total Scheme DU	867

Table S4A Schedule of Works: Open Space Works - West Wyong

	Area	Rate (\$ x 1000	Est Cost	Forecast Development (DU) (\$ x 1000)										
Item	(m²)	\$/sq m)	(\$ x 1000)	0	29	57	86	114	143	172	200	229	257	286
Works Expenditure														
Small Park	5200	0.02482	129	0	0	0	129	0	0	0	0	0	0	0
Large Park	7800	0.02482	194	0	0	0	0	0	0	0	0	194	0	0
Sports Fields	6500	0.03413	222	0	0	0	0	0	0	0	0	0	0	222
Total Expenditure			545	0	0	0	129	0	0	0	0	194	0	222
Income (\$ x 1000)														
Developer Contributions Under This Plan			543	0	54	54	54	54	54	54	54	54	54	54
Council Contribution Required			0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents			0	0	0	0	0	0	0	0	0	0	0	0
Total Income			543	0	54	54	54	54	54	54	54	54	54	54
Contribution Cash Flow				0	54	109	34	88	142	196	251	111	166	-2
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	54	109	34	88	142	196	251	111	166	-2

Contribution Rate ('000s)	1.897
Current/Approved DU (if applic)	0
Remaining DU	286
Total Scheme DU	286

Table S4B Schedule of Works: Open Space Land - West Wyong

	Area	Rate (\$ x 1000	Est Cost	Forecast Development (DU) (\$ x 1000)										
ltem	(m²)	\$/sq m)	(\$ x 1000)	0	29	57	86	114	143	172	200	229	257	286
Works Expenditure														
Small Park	16500	0.02	330	0	0	165	0	165	0	0	0	0	0	0
Large Park	6000	0.02	120	0	0	0	0	0	0	120	0	0	0	0
Total Expenditure			450	0	0	165	0	165	0	120	0	0	0	0
Income (\$ x 1000)														
Developer Contributions Under This Plan			450	0	45	45	45	45	45	45	45	45	45	45
Council Contribution Required			0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents			0	0	0	0	0	0	0	0	0	0	0	0
Total Income			450	0	45	45	45	45	45	45	45	45	45	45
Contribution Cash Flow				0	45	-75	-30	-150	-105	-180	-135	-90	-45	0
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	45	-75	-30	-150	-105	-180	-135	-90	-45	0

Contribution Rate ('000s)	1.573
Current/Approved DU (if applic)	0
Remaining DU	286
Total Scheme DU	286

Table S5 Schedule of Works:Open Space Works - Remainder of District

	Area	Rate (\$ x 1000	Est Cost	Forecast Development (DU) (\$ x 1000)										
Item	(m²)	\$/sq m)	(\$ x 1000)	0	16	33	49	66	82	98	115	131	148	164
Works Expenditure														
Courts	600	0.10342	62	0	0	0	0	0	0	0	0	0	62	0
Parks, Fields and Cycleways	8800	0.03415	301	0	0	301	0	0	0	0	0	0	0	0
Semi-natural	2300	0.01034	24	0	0	0	0	0	0	0	0	0	0	24
Total Expenditure			386	0	0	301	0	0	0	0	0	0	62	24
Income (\$ x 1000)														
Developer Contributions Under This Plan			385	0	38	38	38	38	38	38	38	38	38	38
Council Contribution Required			0	0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)			0	0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents			0	0	0	0	0	0	0	0	0	0	0	0
Total Income			385	0	38	38	38	38	38	38	38	38	38	38
Contribution Cash Flow				0	38	-224	-185	-147	-108	-70	-31	7	-16	-2
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	38	-224	-185	-147	-108	-70	-31	7	-16	-2

Contribution Rate ('000s)	2.345
Current/Approved DU (if applic)	0
Remaining DU	164
Total Scheme DU	164

Table D1 Schedule of Works: Drainage - Mardi Creek

	Est Cost						Developmo \$ x 1000)	ent (DU)				
Item	(\$ x 1000)	0	16	32	47	63	79	95	110	126	142	158
Works Expenditure												
Tonkiss Street Culverts (Old Abattoirs Site)	235	0	0	0	0	0	0	0	0	0	0	0
Open Channel (Tonkiss-Gavenlock)	423	0	0	0	0	0	0	0	0	0	0	0
Culverts & Utility Adjustments - Gavenlock Rd	557	0	0	0	0	0	0	0	0	0	0	0
Open Channel (Gavenlock-Pacific Hwy)	910	0	0	0	0	0	0	0	0	0	0	0
Culverts at Pacific Hwy & Railway Line	374	0	0	0	0	0	0	0	0	0	0	0
Open Channel (Railway-Meridian Channel)	229	0	0	0	0	0	0	0	0	0	0	0
Meridian Channel	229	0	0	0	0	0	0	0	0	0	0	0
Southern Channel	557	0	0	0	0	0	0	0	0	0	0	0
Land Acquisition	13	0	0	0	13	0	0	0	0	0	0	0
Basin at F3 Freeway	694	0	0	0	0	0	0	0	0	0	0	694
Specialist Design & Study Costs	85	0	0	0	0	0	0	85	0	0	0	0
Additional culvert works - highway and r'way	937	0	0	0	0	0	0	0	0	0	0	937
Total Expenditure	5246	0	0	0	13	0	0	85	0	0	0	1632
Income (\$ x 1000)												
Developer Contributions Under This Plan		0	430	430	430	430	430	430	430	430	430	430
Council Contribution Required		0	0	0	0	0	0	0	0	0	910	397
Other Income (interest/grants etc.)		0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)		45	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents		0	0	0	0	0	0	0	0	0	0	0
Total Income		45	430	430	430	430	430	430	430	430	1340	827
Contribution Cash Flow		45	475	904	1321	1751	2180	2524	2954	3383	4723	3918
Council Bankrolling		-45	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling		-45	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance		0	475	904	1321	1751	2180	2524	2954	3383	4723	3918

Contribution Rate ('000s)	27.2235
Current/Approved ha (if applic)	0
Remaining ha	157.8
Total Scheme ha	157.8

ave multiple

catchments

Table P1 Schedule of Works: Planning Studies - Mardi URA

	Est Cost	Forecast Development (DU) (\$ x 1000)										
Item	(\$ x 1000)	0	0	1	1	1	2	2	2	3	3	3
Works Expenditure (June 1992 estimates)												
Traffic Study	11	11	0	0	0	0	0	0	0	0	0	0
Urban Capability Study	6	6	0	0	0	0	0	0	0	0	0	0
Roadworks Design & Costing	7	7	0	0	0	0	0	0	0	0	0	0
Aesthetics	8	8	0	0	0	0	0	0	0	0	0	0
Land Valuations	5	0	5	0	0	0	0	0	0	0	0	0
Total Expenditure	37	32	5	0	0	0	0	0	0	0	0	0
Income (\$ x 1000)												
Developer Contributions Under This Plan		0	0	0	0	0	0	0	0	0	0	0
Council Contribution Required		0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)		0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)		0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents		0	0	0	0	0	0	0	0	0	0	0
Total Income		0	0	0	0	0	0	0	0	0	0	0
Contribution Cash Flow		-32	-37	-37	-36	-36	-36	-36	-35	-35	-35	-35
Council Bankrolling		32	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling		0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling		32	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance		0	-37	-37	-36	-36	-36	-36	-35	-35	-35	-35

Contribution Rate ('000s)	0.757
Current/Approved ha (if applic)	49.66
Remaining ha	3.2
Total Scheme ha	52.86

Table P1 Schedule of Works: Drainage Tuggerah Stage 3

			Forecast Development (Ha) Est Cost (\$ x 1000)											
Item			(\$ x 1000)	0	2	4	6	8	10	12	14	16	18	19
Works Expenditure														
Land	2.3052	231	533	0	53.25	53.25	53.25	53.25	53.25	53.25	53.25	53.25	53.25	53
Works			888		89	89	89	89	89	89	89	89	89	89
Total Expenditure			1421	0	142	142	142	142	142	142	142	142	142	142
Income (\$ x 1000)														
Developer Contributions Under This Plan			1421	0	142	142	142	142	142	142	142	142	142	142
Council Contribution Required				0	0	0	0	0	0	0	0	0	0	0
Other Income (interest/grants etc.)				0	0	0	0	0	0	0	0	0	0	0
Contributions on Hand (incl. old funds)				0	0	0	0	0	0	0	0	0	0	0
Contributions From Existing Consents				0	0	0	0	0	0	0	0	0	0	0
Total Income			1421	0	142	142	142	142	142	142	142	142	142	142
Contribution Cash Flow				0	0	0	0	0	0	0	0	0	0	0
Council Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Developer Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Total Bankrolling				0	0	0	0	0	0	0	0	0	0	0
Adjusted Period Balance				0	0	0	0	0	0	0	0	0	0	0

Contribution Rate ('000s)	73.018
Current/Approved ha (if applic)	0
Remaining ha	19.46
Total Scheme ha	19.46