Leneva & Baranduda

Development Contributions Plan









Contents

1.1 Report structure		4
1.1 Report structure		5
1.2 Strategic basis		5
1.3 Planning & Environment Act 1	987	5
1.4 Strategic planning for Lenevo	a-Baranduda	7
1.5 Leneva-Baranduda Precinct	Structure Plan	7
1.6 The area to which the Develop	pment Contribution Plan applies	7
1.7 Related infrastructure agreer	nents	7
1.8 Project and property identific	cation	7
1.8.1 Project identification		7
1.8.2 Property identification	n	7
2.0 INFRASTRUCTURE PROJ	ECT JUSTIFICATION	8
2.1 Infrastructure not included in	the Development Contributions Plan	8
2.2 Infrastructure projects		9
2.2.1Transport projects		9
2.2.2 Recreation projects		16
2.2.3 Passive open space		16
2.2.4 Community facility pr	rojects	17
2.2.5 Drainage projects		21
2.3 Project timing		22
2.4 Distinction between development	nent and community infrastructure	22
3.0 CALCULATION OF CONTI	RIBUTIONS	23
3.1 Calculation of Net Developab	le Area and demand units	23
		20
3.1.1 Net Developable Area		23
	d units	
3.1.1 Net Developable Area		23
3.1.1 Net Developable Area3.1.2 Land budget and demand		23 25
3.1.1 Net Developable Area3.1.2 Land budget and demand3.2 Calculation of contribution ch	narges	23 25 25
3.1.1 Net Developable Area3.1.2 Land budget and demand3.2 Calculation of contribution ch3.2.1 Calculation of costs	narges d intersection works	23 25 25 25
 3.1.1 Net Developable Area 3.1.2 Land budget and demand 3.2 Calculation of contribution che 3.2.1 Calculation of costs 3.2.2 Road construction and 	narges d intersection works	23 25 25 25 25
 3.1.1 Net Developable Area 3.1.2 Land budget and demand 3.2 Calculation of contribution of 3.2.1 Calculation of costs 3.2.2 Road construction an 3.2.3 Bridge and culvert wo 	narges d intersection works orks	23 25 25 25 25 26
 3.1.1 Net Developable Area 3.1.2 Land budget and demand 3.2 Calculation of contribution of 3.2.1 Calculation of costs 3.2.2 Road construction an 3.2.3 Bridge and culvert wo 3.2.4 Recreation works 	narges d intersection works orks	23 25 25 25 25 26 26
3.1.1 Net Developable Area 3.1.2 Land budget and demand 3.2 Calculation of contribution ch 3.2.1 Calculation of costs 3.2.2 Road construction an 3.2.3 Bridge and culvert wo 3.2.4 Recreation works 3.2.5 Community centre pro 3.2.6 Temporary works 3.2.7 Drainage	narges d intersection works orks	23 25 25 25 25 26 26 26
 3.1.1 Net Developable Area 3.1.2 Land budget and demand 3.2 Calculation of contribution chemose 3.2.1 Calculation of costs 3.2.2 Road construction and 3.2.3 Bridge and culvert wo 3.2.4 Recreation works 3.2.5 Community centre produced 3.2.6 Temporary works 	narges d intersection works orks	23 25 25 25 25 26 26 26 26
3.1.1 Net Developable Area 3.1.2 Land budget and demand 3.2 Calculation of contribution ch 3.2.1 Calculation of costs 3.2.2 Road construction an 3.2.3 Bridge and culvert wo 3.2.4 Recreation works 3.2.5 Community centre pro 3.2.6 Temporary works 3.2.7 Drainage 3.2.8 Valuation of land 3.3 Cost apportionment	narges d intersection works orks	23 25 25 25 26 26 26 26 26
3.1.1 Net Developable Area 3.1.2 Land budget and demand 3.2 Calculation of contribution ch 3.2.1 Calculation of costs 3.2.2 Road construction an 3.2.3 Bridge and culvert wo 3.2.4 Recreation works 3.2.5 Community centre pro 3.2.6 Temporary works 3.2.7 Drainage 3.2.8 Valuation of land 3.3 Cost apportionment 3.3.1 Charge areas	narges d intersection works orks ojects	23 25 25 25 26 26 26 26 26 26 26 27
3.1.1 Net Developable Area 3.1.2 Land budget and demand 3.2 Calculation of contribution ch 3.2.1 Calculation of costs 3.2.2 Road construction an 3.2.3 Bridge and culvert wo 3.2.4 Recreation works 3.2.5 Community centre pro 3.2.6 Temporary works 3.2.7 Drainage 3.2.8 Valuation of land 3.3 Cost apportionment 3.3.1 Charge areas 3.3.2 Non-government school	narges d intersection works orks ojects	23 25 25 25 26 26 26 26 26 26 27 27
3.1.1 Net Developable Area 3.1.2 Land budget and demand 3.2 Calculation of contribution ch 3.2.1 Calculation of costs 3.2.2 Road construction an 3.2.3 Bridge and culvert wo 3.2.4 Recreation works 3.2.5 Community centre pro 3.2.6 Temporary works 3.2.7 Drainage 3.2.8 Valuation of land 3.3 Cost apportionment 3.3.1 Charge areas 3.3.2 Non-government schools	narges d intersection works orks ojects	23 25 25 25 26 26 26 26 26 26 26 27
3.1.1 Net Developable Area 3.1.2 Land budget and demand 3.2 Calculation of contribution ch 3.2.1 Calculation of costs 3.2.2 Road construction an 3.2.3 Bridge and culvert wo 3.2.4 Recreation works 3.2.5 Community centre pro 3.2.6 Temporary works 3.2.7 Drainage 3.2.8 Valuation of land 3.3 Cost apportionment 3.3.1 Charge areas 3.3.2 Non-government schools and affordable 3.3.4 Schedule of costs	narges d intersection works orks ojects pols housing	23 25 25 25 26 26 26 26 26 26 27 27 27 27
3.1.1 Net Developable Area 3.1.2 Land budget and demand 3.2 Calculation of contribution ch 3.2.1 Calculation of costs 3.2.2 Road construction an 3.2.3 Bridge and culvert wo 3.2.4 Recreation works 3.2.5 Community centre pro 3.2.6 Temporary works 3.2.7 Drainage 3.2.8 Valuation of land 3.3 Cost apportionment 3.3.1 Charge areas 3.3.2 Non-government schools	d intersection works orks ojects ools housing per hectare	23 25 25 25 26 26 26 26 26 26 27 27

4.0 <u>IM</u>	IPLEMENTATION & ADMINISTRATION	34
4.1	Collecting agency (agency responsible for collecting infrastructure levy)	34
	Development agency (agency responsible for works)	34
	Payment of contribution levies and payment timing	34
	4.3.1 Development infrastructure	34
	4.3.2 Community Infrastructure Levy	35
	4.3.3 Works in kind	35
	4.3.4 Non-government schools	35
4.4	Funds administration	35
4.5	Construction and land value costs indexation	36
4.6	Development contributions plan review period	36
4.7	Adjustment to infrastructure scope	36
Appendi	x1 Parcel specific land budget	37
Appendi		42
Appendi		115
Plan	S	
Plan 1	Future Urban Structure	6
Plan 2	Intersection Projects	10
Plan 3	Road Projects	12
Plan 4	Bridge Projects	14
Plan 5	Recreation and Community Projects	18
Plan 6	Drainage Projects	20
Plan 7	Land Use Budget	38
Plan 8	Transport Infrastructure Projects	44
Table	es	
Table 1	Summary of charges	4
Table 2	Intersection projects	11
Table 3	Road projects	13
Table 4	Bridge projects	15
Table 5	Recreation projects	19
Table 6	Community facility projects	19
Table 7	Drainage projects	21
Table 8	Community Infrastructure Levy projects	22
Table 9	Summary land use budget	24
Table 10	Calculation of costs - Development Infrastructure Levy	28
Table 11	Calculation of costs – Community Infrastructure Levy	33
Table 12	Parcel specific land budget	39

Version	Date	Incorporated into the planning scheme by amendment	Description of changes
1	October 2018		Gazettal
2	December 2023	VC249	Incorporate changes associated with small second dwelling exemption

Table 1 Summary of charges

SUMMARY - NET DEVELOPABLE AREA (NDA) BY CHARGE AREA		
CHARGE AREA TOTAL COST OF CONTRIBUTION CONTRIBUTION PER NET DEVELOPABLE HECTARE (NDH		
Residential	\$119,553,565	\$217,822

SUMMARY - DEVELOPMENT INFRASTRUCTURE LEVY		
PROJECTS TOTAL COST OF PROJECTS CONTRIBUTION PER NET DEVELOPABLE HECTARE (N		CONTRIBUTION PER NET DEVELOPABLE HECTARE (NDHA)
Transport	\$55,161,604	\$100,503
Recreation	\$22,761,820	\$41,471
Community	\$13,866,842	\$25,265
Drainage	\$27,763,299	\$50,584
Total	\$119,553,565	\$217,822

SUMMARY - BREAKDOWN OF DEVELOPMENT INFRASTRUCTURE LEVY		
PROJECTS TOTAL COST OF PROJECTS CONTRIBUTION PER NET DEVELOPABLE HECTARE (NDI-		
Land	\$6,734,511	\$12,270
Construction	\$112,819,054	\$205,552
Total	\$119,553,565	\$217,822

SUMMARY - COMMUNITY INFRASTRUCTURE LEVY		
	ESTIMATED DWELLINGS	ESTIMATED TOTAL CONTRIBUTION
Capped at \$1,150 per dwelling	6,037	\$6,943,054

The above table provides an overview of the project categories and charges included within this Development Contributions Plan (DCP). A more detailed explanation of apportionment, methods of calculation, and the description and costs of individual projects is included within the document.

1.0 INTRODUCTION

The Leneva-Baranduda DCP has been prepared by the City of Wodonga and the Victorian Planning Authority.

The DCP:

- Outlines projects required to ensure that future residents, visitors and workers in the area can be provided with timely
 access to infrastructure and services necessary to support a quality and affordable lifestyle;
- Establishes a framework for development proponents to make a financial contribution towards the cost of the identified infrastructure projects.;
- Ensures that the cost of providing new infrastructure and services is shared equitably between various development proponents and the wider community; and
- Provides the details of the calculation of financial contributions that must be made by future developments towards
 the nominated projects. In this way, it provides developers, investors and local communities with certainty about
 development contributions requirements and how these will be administered.

1.1 Report structure

The DCP comprises six parts:

PART 1 - Strategic basis

Part 1 clearly explains the strategic basis for the Development Contributions Plan

PART 2 - Justification

Part 2 sets out the justification for the various infrastructure projects included in the Development Contributions Plan

PART 3 - Calculation of contributions

Part 3 sets out how the development contributions are calculated and costs apportioned

PART 4 – Administration

Part 4 focuses on administration of the Development Contributions Plan

PART 5 – Implementation

Part 5 focuses on implementation of the Development Contributions Plan

PART 6 – Other information

Part 6 provides other supporting information

1.2 Strategic basis

The strategic basis for the DCP is established by the State and Local Planning Policy Framework and of the Wodonga Planning Scheme and the following documents:

- Plan Melbourne and Plan Melbourne Refresh;
- Hume Regional Growth Plan;
- Wodonga Growth Strategy; and
- Leneva

 Baranduda Precinct Structure Plan and supporting technical documents.

Combined, the above sets out a broad, long term vision for the sustainable development of the DCP area and its surrounds.

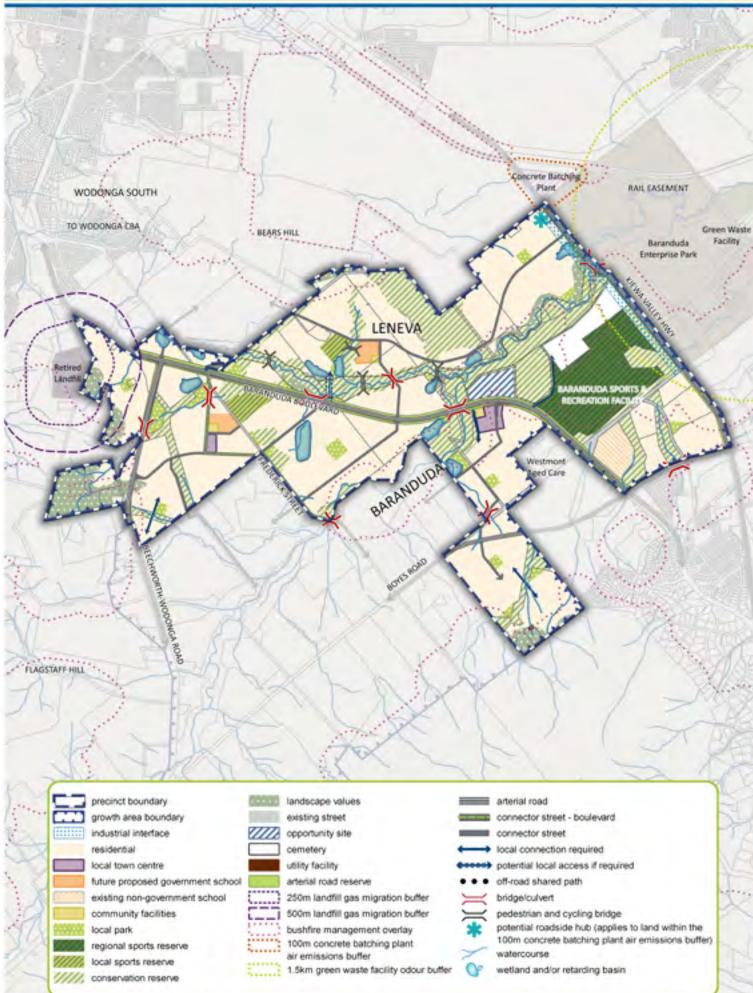
1.3 Planning & Environment Act 1987

The DCP has been prepared in accordance with Part 3B of the Planning and Environment Act 1987 (Act) as well as other relevant legislation and has been developed in line with the State and Local Planning Policy Framework of the Wodonga Planning Scheme. It is consistent with the Ministerial Direction on Development Contributions made under section 46M(1) of the Act and has had regards to the Victorian Government's Development Contributions Plan Guidelines (the DCP Guidelines).

The DCP provides for the charging of a Development Infrastructure Levy pursuant to Section 46J(a) of the Act towards works, services and facilities. It also provides for the charging of a Community Infrastructure Levy pursuant to section 46J(b) of the Act as some infrastructure projects funded by the DCP are classified as community infrastructure by reference to the Act, the Ministerial Direction on Development Contributions and the DCP Guidelines.

The DCP forms part of the Wodonga Planning Scheme pursuant to Section 46I of the Act and is an incorporated document under Clause 81 of the Wodonga Planning Scheme.

The DCP is implemented in the Wodonga Planning Scheme through Schedule 1 to the Development Contributions Plan Overlay which applies to the DCP area shown in Plan 1.



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1.4 Strategic planning for Leneva-Baranduda

The need for the infrastructure included within the DCP has been determined according to the anticipated development as described in the Leneva–Baranduda Precinct Structure Plan (the PSP). The PSP provides the rationale and justification for infrastructure items that have been included. Accordingly, the DCP is an implementation based planning tool which identifies the infrastructure items required by the new community and apportions the cost of this infrastructure in an equitable manner across the plan area.

The Leneva-Baranduda Background Report dated October 2018 provides and overview of the planning process.

1.5 Leneva-Baranduda Precinct Structure Plan

The PSP sets out the vision for how land should be developed, illustrates and explains the future urban structure and describes the objectives to be achieved by the future development. It also outlines infrastructure projects required to ensure that future residents, visitors and workers within the area are provided with timely access to services, transport and other infrastructure necessary to support a quality affordable lifestyle.

The PSP enables urban development and the future urban structure of the new community is depicted through a number of networks, including transport, open space and sporting reserves, social infrastructure, centres and housing.

The Leneva–Baranduda precinct will deliver approximately 6,037 dwellings to accommodate approximately 15,395 residents.

1.6 The area to which the Development Contribution Plan applies

In accordance with section 46K(1)(a) of the Act the DCP applies to land shown on Plan 1. The area is also shown on Development Contributions Plan Overlay Schedule 1 in the Wodonga Planning Scheme.

The DCP applies to approximately 548.86 Net Developable Hectares of land.

1.7 Related infrastructure agreements

There is one s173 Agreement over parcels 24 and 33 however it does not collect funds for any DCP items.

1.8 Project and property identification

1.8.1 Project identification

The project identification system used in the DCP has been designed to assist the understanding of and navigation through the document. Road, bridge, intersection and community facility projects use the identification system of project category and a sequential project number.

The project categories are labelled as:

- IN intersections;
- RD roads;
- BD bridges;
- SR sporting reserves;
- LP local parks;
- CI community facilities;
- WCL walking/cycling link;
- W wetlands; and
- WRB wetland and retarding basins.

1.8.2 Property identification

Each of the properties in the Leneva–Baranduda precinct has been given a unique property identification number that reflects the property numbers included in the PSP.

2.0 INFRASTRUCTURE PROJECT JUSTIFICATION

Items can be included in a DCP if they will be used by the future community of an area. New development does not have to trigger the need for new infrastructure projects in its own right. The development is charged in line with its projected share of use. An item can be included in a DCP regardless of whether it is within or outside the DCP area.

Before inclusion in the DCP, all infrastructure projects have been assessed to ensure they have a relationship or nexus to proposed development within the DCP area. The cost apportionment methodology adopted in the DCP relies on the nexus principle. A new development is deemed to have a nexus with an infrastructure project if its future residents or employees are expected to make use of that infrastructure project.

A summary of how each infrastructure project is related to proposed development within the DCP area is set out below and individual infrastructure project apportionments are identified in Tables 10 and 11.

The infrastructure projects that have been included in the DCP all have the following characteristics:

- They are essential to the health, safety and wellbeing of the community;
- They will be used across a broad cross-section of the community;
- They reflect the vision and objectives expressed in the PSP;
- They are not recurrent items; and
- They are the basis for the future development of an integrated network.

2.1 Infrastructure not included in the Development Contributions Plan

The following infrastructure is not included in the DCP, as it is considered to be normal to the construction of a development and is not considered to warrant cost sharing arrangements beyond those set out in this DCP and must be provided by developers as a matter of course and in implementing the PSPs:

- Internal streets including creek and drainage line crossings and associated traffic management measures (except where nominated in this DCP);
- Waterway management works and drainage systems (except where nominated in this DCP);
- Intersections connecting the development to the existing road network (except where nominated in this DCP);
- Water, sewerage, underground power, gas and telecommunications services;
- Local pathways and connections to the regional and/or district pathway network;
- Basic levelling and water tapping of local parks;
- Preparation of local park master plans and any associated works required by the PSP;
- Council's plan checking and supervision; and
- Bus stops.

This infrastructure is usually addressed and defined by an agreement under Section 173 of the Act and/or conditions in planning permits.

2.2 Infrastructure projects

The following four types of infrastructure projects are included in the DCP:

- Transport;
- Recreation;
- Community; and
- Drainage.

2.2.1 Transport projects

Transport projects are based on the transport network illustrated in Plan 1 and include a combination of:

- Construction of controlled intersections and associated works;
- Road construction;
- Construction of a waterway crossing; and
- Land for the above.

The intersection projects funded by the DCP are shown on Plan 2 and described in Table 2.

The road projects funded by the DCP are shown on Plan 3 and described in Table 3.

The bridge projects funded by the DCP are shown on Plan 4 and described in Table 4.

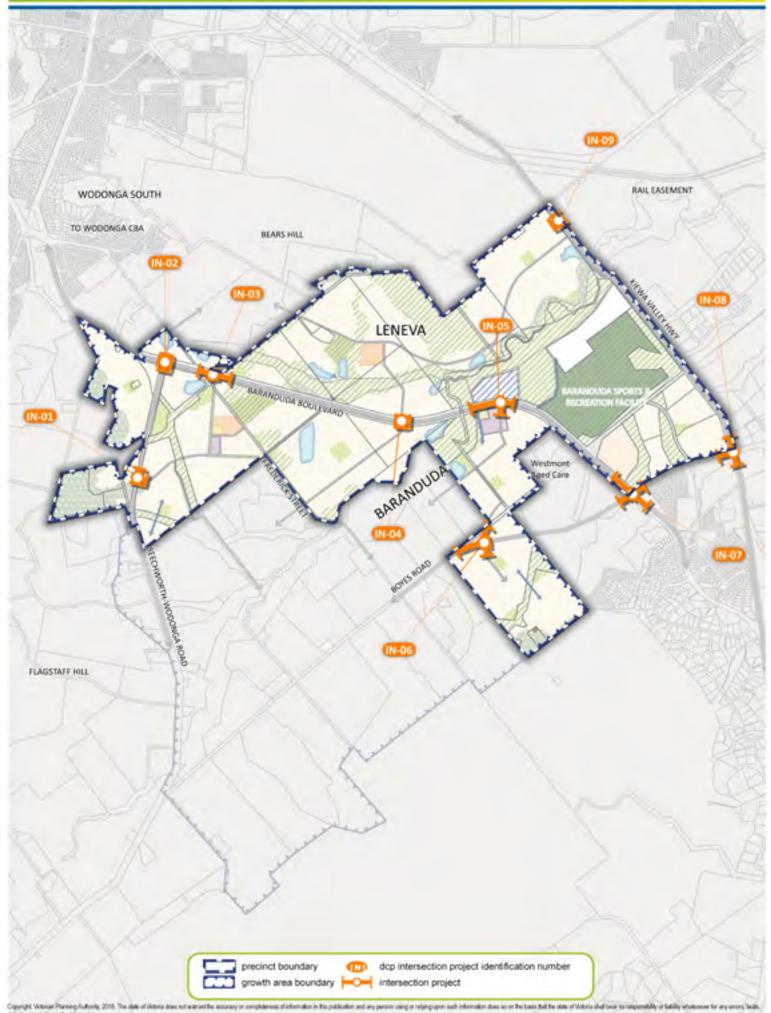
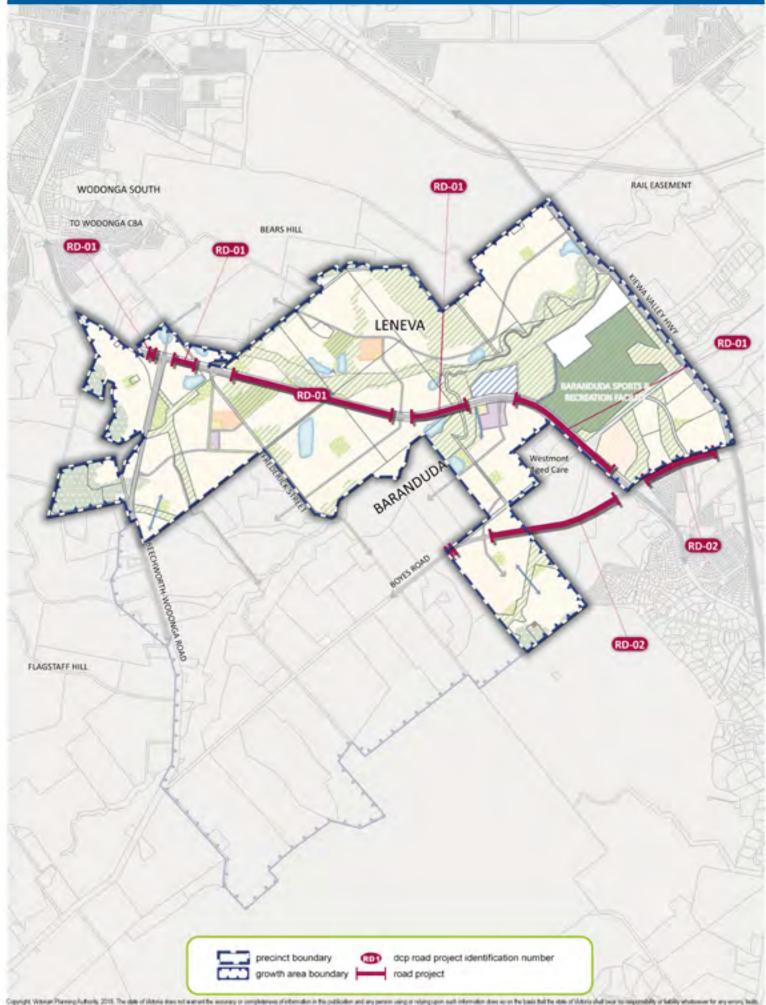


Table 2 Intersection projects

DCP PROJECT ID	PROJECT TITLE PROJECT DESCRIPTION	INDICATIVE PROVISION TRIGGER
IN-01	Beechworth-Wodonga Road / Connector road Land for an ultimate 3 way roundabout	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-01c	Beechworth-Wodonga Road / Connector road Construction of an interim 3 way roundabout	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-02	Beechworth-Wodonga Road / Baranduda Boulevard Land for an ultimate 4 way roundabout	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-02c	Beechworth-Wodonga Road / Baranduda Boulevard Construction of an interim/ultiamte 4 way roundabout (Beechworth-Wodonga Road interim/ Baranduda Boulevard ultimate)	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-03	Baranduda Boulevard / Frederick Street Road Land for an ultimate 3 way signalised intersection	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-03c	Baranduda Boulevard / Frederick Street Road Construction of an ultimate 3 way signalised intersection	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-04	Baranduda Boulevard / Connector road Land for an ultimate 4 way roundabout	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-04c	Baranduda Boulevard / Connector road Construction of an ultimate 4 way roundabout	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-05	Baranduda Boulevard / Connector road (Baranduda Town Centre) Land for an ultimate 4 way signalised intersection	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-05c	Baranduda Boulevard / Connector road (Baranduda Town Centre) Construction of an ultimate 4 way signalised intersection	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-06	Boyes Road / Connector road Land for an ultimate 4 way roundabout	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-06c	Boyes Road / Connector road Construction of an interim 4 way roundabout	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-07c	Boyes Road / Baranduda Boulevard Construction of an interim 4 way signalised intersection	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-08c	Boyes Road-John Schubert Drive / Kiewa Valley Highway Construction of an interim/ultimate 4 way signalised intersection (Boyes Road inteirm / Kiewa Valley Highway ultimate)	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-09	Kiewa Valley Highway / Connector road Purchase of land for an ultimate 3 way roundabout	At time of subdivision / access requirement demand, subject to availability of DCP funding
IN-09c	Kiewa Valley Highway / Connector road Construction of an ultimate 3 way roundabout	At time of subdivision / access requirement demand, subject to availability of DCP funding



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Table 3 Road projects

DCP PROJECT ID	PROJECT TITLE PROJECT DESCRIPTION	INDICATIVE PROVISION TRIGGER
RD-01	Baranduda Boulevard Purchase of land	At time of subdivision / access requirement demand, subject to availability of DCP funding
RD-01c	Baranduda Boulevard Construction of an ultimate 4-lane secondary arterial between the northern edge of the PSP boundary south towards the Baranduda Town Centre. South of the Baranduda Town Centre interim upgrades to the existing road (pedestrian/cycling paths and street lighting)	At time of subdivision / access requirement demand, subject to availability of DCP funding
RD-02	Boyes Road Purchase of land for an ultimate 4-lane secondary arterial (that is within the PSP)	At time of subdivision / access requirement demand, subject to availability of DCP funding
RD-02c	Boyes Road Construction of an interim secondary arterial (2-lane) inside and outside of the PSP (Note: construction of interim road outside the PSP only includes land within Baranduda Range Estate)	At time of subdivision / access requirement demand, subject to availability of DCP funding

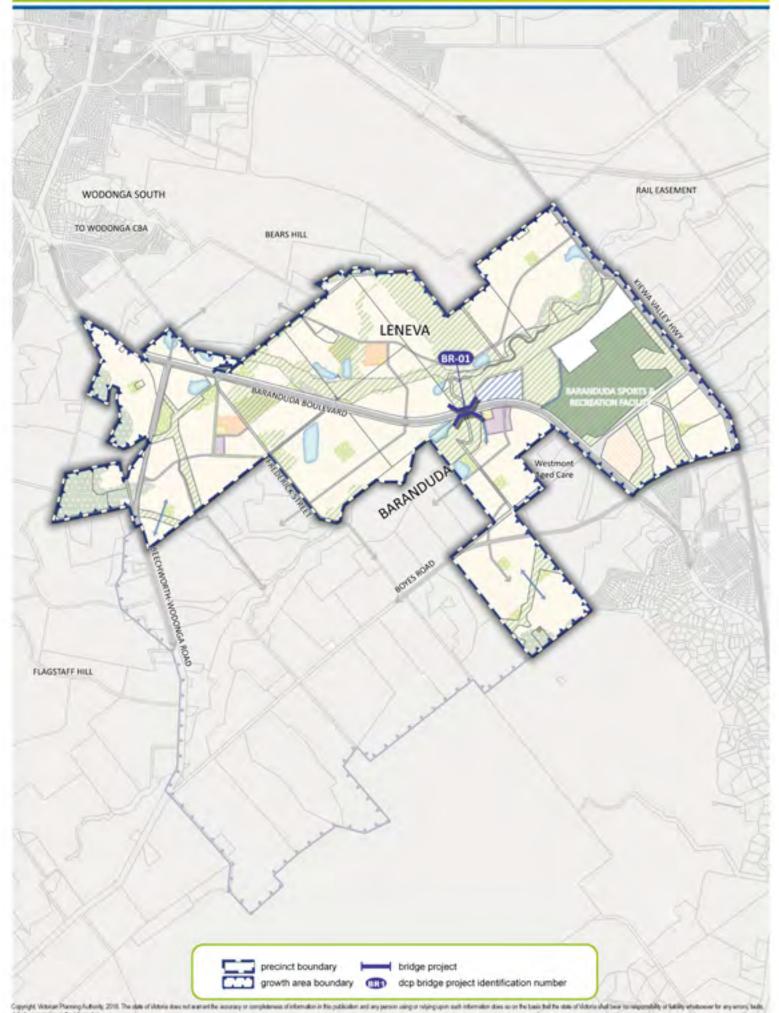


Table 4 Bridge projects

DCP PROJECT	PROJECT TITLE ID PROJECT DESCRIPTION	INDICATIVE PROVISION TRIGGER
BR-01	Baranduda Boulevard over Middle Creek Duplication of existing bridge associated with the construction of the ultimate 4-lane secondary arterial	At time of subdivision / access requirement demand, subject to availability of DCP funding

2.2.2 Recreation projects

Recreation projects includes a contribution towards land required for and construction of facilities in sporting reserves. Land for sporting reserves is dealt with under this DCP however land for passive open space is dealt with under the requirements set out in Clause 53.01.

In determining the final scope of DCP funded recreation projects within each sporting reserve, Council in its capacity as Development Agency will have regard to matters such as changing provision standards and models, the immediate needs of the community, current regulations and best practice and may seek to adjust and refine the scope of the projects to respond to these matters.

The recreation projects funded by the DCP are shown on Plan 5 and described in Table 5.

2.2.3 Passive open space

All land owners must provide a public open space contribution equal to 3.96% of the Net Developable Area (NDA) upon subdivision of land in accordance with Clause 53.01 of the Wodonga Planning Scheme (as outlined in the PSP). Purchase of land for local open space reserves has therefore not been included in the DCP.

2.2.4 Community facility projects

Community projects include land and construction of community centres varying in size.

The community projects are based on the population projections determined through the development of the Wodonga Growth Strategy. The community facilities defined in this group of infrastructure projects are the best estimates of the future requirements and specifications of the future communities of Leneva–Baranduda precinct.

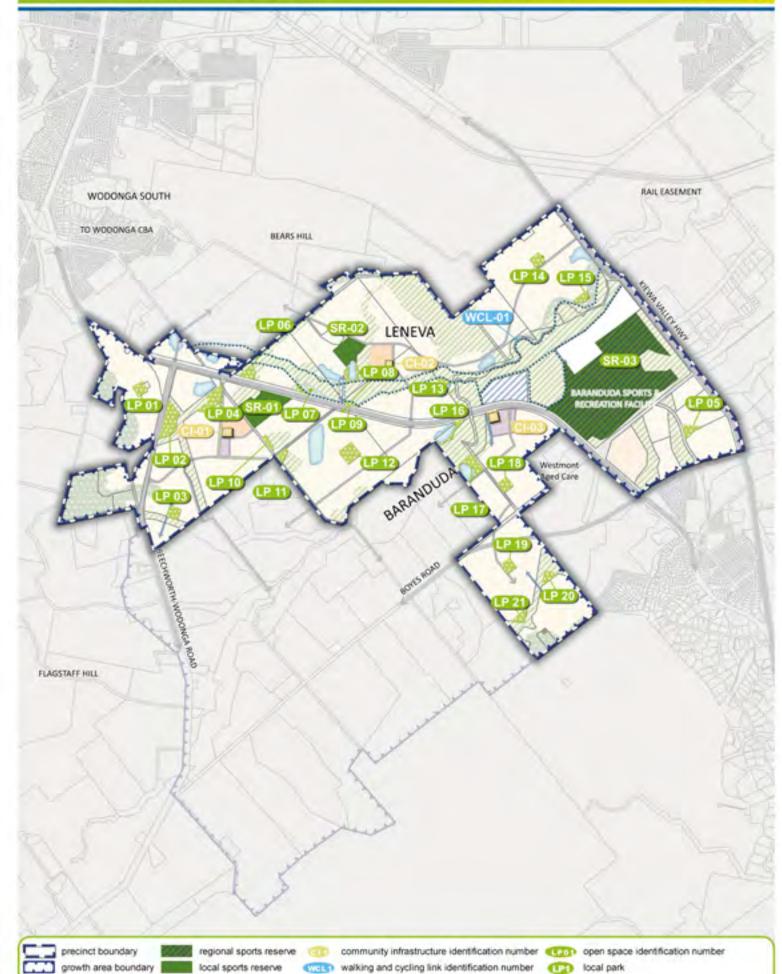
The detailed design and scope (as defined in Table 6) of each of the community projects will be determined by the Development Agency closer to the time that they are constructed.

In reviewing the scope of the facility, the Development Agency will have regard to matters such as changing provision standards and models, the immediate needs of the community, current regulations and best practice and may adjust and refine the scope of the infrastructure project to respond to these matters.

The Development Agency may also adjust and refine the scope of an infrastructure project to reflect the availability of any non-DCP funds that can be made available (for example a grant or other funding streams).

The community facility projects funded by the DCP are shown on Plan 5 and described in Table 6.





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· · off-road shared path

sports reserve

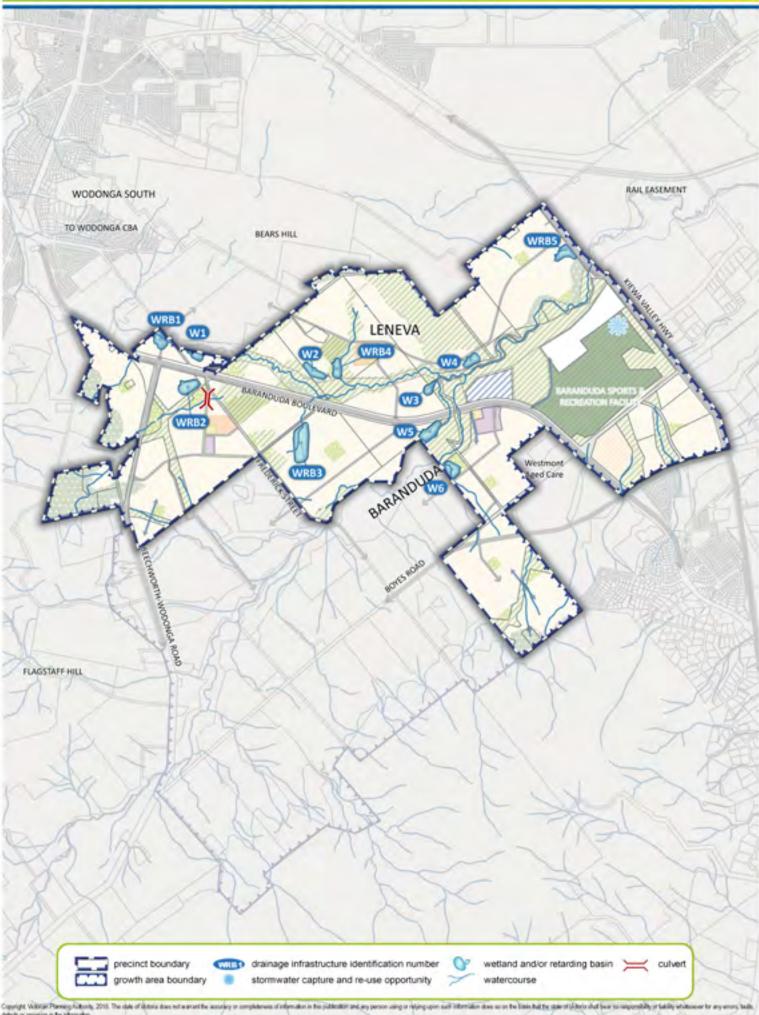
local park

Table 5 Recreation projects

DCP PROJECT NUMBER	PROJECT TITLE PROJECT DESCRIPTION	INDICATIVE PROVISION TRIGGER
SR-01	Leneva Sporting Reserve Purchase of land for a 8ha sporting reserve	At time of subdivision, as required according to demand levels
SR-01c	Leneva Sporting Reserve Construction of a sporting oval, 4 outdoor netball courts, a playground, associated carparking and landscaping	At time of subdivision, as required according to demand levels and subject to DCP funding
SR-01p	Leneva Sporting Reserve Construction of a sports pavilion.	At time of subdivision, as required according to demand levels and subject to DCP funding
SR-02	Bears Hill Sporting Reserve Purchase of land for a 4ha sporting reserve	At time of subdivision, as required according to demand levels
SR-02c	Bears Hill Sporting Reserve Construction of two sporting ovals and associated carparking and landscaping	At time of subdivision, as required according to demand levels and subject to DCP funding
SR-02p	Bears Hill Sporting Reserve Construction of a sports pavilion.	At time of subdivision, as required according to demand levels and subject to DCP funding
SR-03c	Baranduda Sports and Recreation Facility Construction of 4 sporting ovals, cricket facility, outdoor netball courts, soccer pitches and tennis courts, passive recreation, carparking, roads and lighting, pavement an landscaping	At time of subdivision, as required according to demand levels and subject to DCP funding
SR-03p	Baranduda Sports and Recreation Facility Construction of an indoor stadium	At time of subdivision, as required according to demand levels and subject to DCP funding

Table 6 Community facility projects

DCP PROJECT NUMBER	PROJECT TITLE PROJECT DESCRIPTION	INDICATIVE PROVISION TRIGGER
CI-01	Leneva Community Centre Purchase of land for a level 2 multipurpose community centre	At time of subdivision, as required according to demand levels
CI-01c	Leneva Community Centre Construction of a level 2 multipurpose community centre	At time of subdivision, as required according to demand levels and subject to DCP funding
CI-02	Bears Hill Community Centre Purchase of land for a level 1 multipurpose community centre	At time of subdivision, as required according to demand levels
CI-02c	Bears Hill Community Centre Construction of a level 1 multipurpose community centre	At time of subdivision, as required according to demand levels and subject to DCP funding
CI-03	Baranduda Community Centre Purchase of land for a level 2 multipurpose community centre	At time of subdivision, as required according to demand levels
CI-03c	Baranduda Community Centre Construction of a level 2 multipurpose community centre	At time of subdivision, as required according to demand levels and subject to DCP funding
WCL-01	N1 walking and cycling link Construction of a walking and cycling network along the N1 including parths (2.5m wide) and 3 pedestrian/cycling crossings	At time of subdivision, as required according to demand levels and subject to DCP funding



2.2.5 Drainage projects

The drainage related infrastructure projects included in the DCP comprise of:

- Stormwater quality treatment;
- Retarding basins and wetlands designed to treat stormwater generated from the development area to best practice standards prior to discharge into the N1 Tributary and Middle Creek; and
- Land for the above.

The drainage infrastructure projects funded by the DCP are shown on Plan 6 and described in Table 7.

Temporary and interim drainage works are not infrastructure projects in the DCP

Table 7 Drainage projects

DCP PROJECT ID	PROJECT TITLE	AREA (HA)	PROVISION TRIGGER
W1	Wetland	0.88	As determined by Council and subject to DCP funding
W2	Wetland	1.57	As determined by Council and subject to DCP funding
W3	Wetland	1.24	As determined by Council and subject to DCP funding
W4	Wetland	1.27	As determined by Council and subject to DCP funding
W5	Wetland	1.27	As determined by Council and subject to DCP funding
W6	Wetland	1.69	As determined by Council and subject to DCP funding
WRB1	Wetland and retarding basin	1.55	As determined by Council and subject to DCP funding
WRB2	Wetland and retarding basin	1.95	As determined by Council and subject to DCP funding
WRB3	Wetland and retarding basin	4.46	As determined by Council and subject to DCP funding
WRB4	Wetland and retarding basin	1.37	As determined by Council and subject to DCP funding
WRB5	Wetland and retarding basin	1.71	As determined by Council and subject to DCP funding

2.3 Project timing

Each infrastructure project in the DCP has been given an assumed indicative provision trigger specified in Tables 2 to 7. The timing of the provision of the items is consistent with information available at the time that the DCP was prepared. The Development Agency will monitor and assess the required timing for individual items and have regard to its capital works programme, the staging of the PSP and areas external to the precinct and the indicative provision trigger within Tables 2 to 7.

Indicative provision triggers for each infrastructure project are provided in Tables 2 to 7. Despite the indicative provision trigger, the Development Agency may, in consultation with the Collection Agency, determine alternatives to the priority delivery of works or land where:

- Infrastructure is to be constructed/provided by development proponents as works or land in kind, as agreed by the Collecting Agency;
- Network priorities require the delivery of works or land to facilitate broader road network connections; and
- Community needs determine the delivery of works or land for community facilities or open space.

All items in the DCP will be provided as soon as practicable and as soon as sufficient contributions are available, consistent with Section 4.3 and acknowledging the Development Agency's capacities to provide the balance of funds not recovered by the DCP.

2.4 Distinction between development and community infrastructure

In accordance with the Act and the Ministerial Direction on Development Contributions, the DCP makes a distinction between 'development' and 'community' infrastructure.

The Community Infrastructure Levy is paid by the home builder at the time a building approval is sought (unless an alternative time is agreed between the collecting agency and a development proponent). The Community Infrastructure Levy is paid at a 'per-dwelling' rate. The Planning and Environment Act 1987 fixes the maximum amount that may be charged as a Community Infrastructure Levy. At the current time, the maximum amount is \$1,150 per dwelling. The Governor in Council may, from time to time, by Order published in the Government Gazette vary the maximum amount that may be collected by the Community Infrastructure Levy. If in the future the Community Infrastructure Levy is varied, then the levy applicable to the release of the remaining dwellings may be adjusted in accordance with the revised legislative and regulatory approach.

The infrastructure projects listed in Table 8 are assessed as community infrastructure and will be funded by the Community Infrastructure Levy. All other infrastructure projects assessed as development infrastructure and funded by the Development Infrastructure Levy.

Contributions relating to development infrastructure are to be made by developers at the time of subdivision. If subdivision is not applicable, payments must be made prior to construction works.

Table 8 Community Infrastructure Levy projects

DCP PROJECT ID	PROJECT TITLE PROJECT DESCRIPTION
SR-01p	Leneva Sporting Reserve Construction of a sports pavilion.
SR-02p	Bears Hill Sporting Reserve Construction of a sports pavilion.
SR-03p	Baranduda Sports and Recreation Facility Construction of an indoor stadium

3.0 CALCULATION OF CONTRIBUTIONS

The general cost apportionment method includes the following steps:

- Calculation of the Net Developable Area (NDA) and demand units (refer to Table 9);
- Calculation of infrastructure project costs (refer to Tables 10 and 11);
- Identification and allowance for external use (refer to Tables 10 and 11);
- Cost apportionment and catchments (refer to Tables 10 and 11);
- Identification of development types required to pay the levy (refer to Tables 10 and 11);
- Summary of costs payable for each infrastructure project (refer to Tables 10 and 11); and
- The Development Infrastructure Levy per hectare for each development type (refer to Table 10) and the Community Infrastructure Levy per dwelling (refer to Table 11).

3.1 Calculation of Net Developable Area and demand units

The following section sets out how NDA is calculated and outlines the development projections anticipated for the area. Calculations of NDA for each individual property is outlined in the property specific land budget included within the PSP and is then to be assumed as correct and applied for that property unless the Collecting Agency agrees to a different NDA for that property.

3.1.1 Net Developable Area

In this DCP, the Development Infrastructure Levy is payable based on the NDA of land on any given development site as derived from the property specific land budget included in the Appendix A.

For the purpose of this DCP the NDA is defined as the total amount of land within the precinct that is available for development of housing and employment buildings, including lots and all local streets. It is the total precinct area minus community facilities, educational facilities, open space, encumbered land, existing road reserves and arterial roads. Any additional small local parks defined at the subdivision stage are included in the NDA.

The number of Net Developable Hectares in each charge area is based on the land budget and outlined in Table 9. The 'per Net Developable Hectare' contributions will not and must not be amended to respond to minor changes in land budgets that may result from the subdivision process. In other words, the DCP is permanently linked to the calculation of Net Developable Area set out in Table 9.

The property specific land budget included in the PSP is to be used to determine the number of Net Developable Hectares on individual properties. Calculations of NDA for each individual property is outlined in Appendix A.

Table 9 Summary land use budget

RECORDINATION	PSP				
DESCRIPTION	HECTARES	% OF TOTAL	% OF NDA		
TOTAL PRECINCT AREA (HA)	1,062.49				
TRANSPORT					
Arterial Road - Within Existing Road Reserve	35.16	3.31%	6.41%		
Arterial Road - Widening and Intersection Flaring (DCP land)	3.46	0.33%	0.63%		
Non-Arterial Road - Existing Road Reserve	19.07	1.79%	3.47%		
Arterial Road Reserve	30.20	2.84%	5.50%		
Sub-total Transport	87.88	8.3%	16.01%		
COMMUNITY & EDUCATION					
Future Proposed Government School	7.00	0.66%	1.28%		
Existing Non-Government School	12.19	1.15%	2.22%		
Local Community Facility (DCP land)	2.00	0.19%	0.36%		
Sub-total Education	21.20	2.0%	3.9%		
OPEN SPACE					
UNCREDITED OPEN SPACE					
Conservation Reserve	210.44	19.81%	38.34%		
Drainage Infrastructure (DCP land)	19.75	1.86%	3.60%		
Cemetery / Memorial Park	20.00	1.88%	3.64%		
Landscape Values	53.93	5.08%	9.82%		
Sub-total Uncredited Open Space	304.12	28.62%	55.41%		
CREDITED OPEN SPACE					
Local Sports Reserve (DCP land)	12.00	1.1%	2.19%		
Local Park (via Cl 52.01)	21.75	2.0%	3.96%		
Sub-total Credited Open Space	33.75	3.2%	6.15%		
Total All Open Space	337.77	31.8%	61.56%		
OTHER					
Regional Sports Reserve	66.50	6.3%	12.12%		
Utility Facility	0.18	0.02%	0.03%		
Sub-total	66.69	6.28%	12.15%		
TOTAL NET DEVELOPABLE AREA (NDA) HA	548.86	51.66%			
NET DEVELOPABLE AREA - RESIDENTIAL (NDA-R) HA	548.86	51.66%			

3.1.2 Land budget and demand units

Net Developable Hectare (NDH) is the demand unit for the DCP.

Based on the PSP, there is one development type included in this DCP: urban development. Urban Development is defined to include all forms of development, including residential subdivision, development within centres and employment areas. Urban development includes any non-residential uses within the residential area such as place of worship, education centre, retirement village, nursing home, child care centre, medical centre, convenience store or any other approved use. A development Infrastructure Levy is not charged on exempt development. There are a total of 549.05 Net Developable Hectares in the DCP area.

3.2 Calculation of contribution charges

3.2.1 Calculation of costs

Each infrastructure project has been assigned a land and/or construction cost. These costs are listed in Tables 10 and 11. The costs are expressed in 2017 dollars and will be indexed in accordance with the indexation method specified in Section 4.5.

3.2.2 Road construction and intersection works

The scope for arterial intersection projects was established by the City of Wodonga, VicRoads and the VPA. The design and costing of these intersections was also undertaken by ARUP.

A number of standardised intersections were developed for local roads by the City of Wodonga and the VPA for use in the DCP. The design and costing of these intersections was also undertaken by ARUP.

Road reserves required for arterial and connector roads have been calculated consistent with the road cross sections provided in the Leneva–Baranduda PSP. Per metre road construction rates were developed by ARUP and were used to calculate road construction costs. Minor culverts have been factored into road construction costs estimations.

Rates for the works have been established by using current road construction estimated rates as of June 2017.

The intersection layout was agreed with the relevant road authority as were the scope of works. The general assumptions used were:

The intersection layout was agreed with the relevant road authority as were the scope of works. The general assumptions used were:

- No land acquisition costs have been allowed for unless stated (these were separately identified in each DCP project costing in Table 10);
- No trunk services have been allowed for;
- Drainage allowance is for 'road reserve or project lane' areas however major drainage such as culverts or bridges consistent with the PSP have been included as separate projects;
- A standard excavation depth has been allowed for. Final pavement requirements will be determined at construction stage responding to actual ground conditions; and
- Where required an allowance has been made for existing services adjustment or relocation (e.g. electricity poles, water fittings, manholes etc).

Additional percentage based costs tailored to each individual project have been included for:

- Traffic management;
- Site establishment;
- Survey and design;
- Supervision and project management;
- Council and VicRoads fees; and
- Contingency.

The level of contingency for each project reflects the level of design resolution achieved at the time the DCP was prepared.

With respect to road/intersection construction:

- Design generally follows natural terrain and/or existing road reserves;
- Existing service alterations have been included and would be minimal; and
- Major cost items such as bridges have been allowed for as separate items.

3.2.3 Bridge and culvert works

Where there is a bridge crossing of a waterway the cost estimated has been prepared on a site by site basis. Minor culverts have been factored into the estimated construction cost of relevant roads.

Refer to Appendix B for the bridge cost estimate and concept design.

3.2.4 Recreation works

Open space contribution is based on cost estimates for facilities prepared by Aquenta Consulting Pty Ltd.

Refer to Appendix B for cost estimates.

3.2.5 Community centre projects

The costing of community centre projects is based on cost estimates prepared by Aquenta Consulting Pty Itd.

Refer to Appendix B for cost estimates.

3.2.6 Temporary works

Temporary works are not factored in as a cost in this DCP unless expressly listed in the DCP.

3.2.7 Drainage

The costing of drainage infrastructure was undertaken by ARUP.

3.2.8 Valuation of land

The area of land to be acquired for each DCP project on each property was identified from the property specific land budget prepared for the PSP. A description of the land was provided to Urbis as a registered valuer to prepare an estimate of value. A value for each infrastructure project comprising land is then included in the DCP.

The estimates of value were prepared using the Public Land Equalisation Method (PLEM). The Public Land Equalisation Method calculates the average public land contribution required for the PSP (expressed as a percentage of NDA). The land required for each property is also calculated and compared against the average.

Public land contributions on a property that are less than or equal to the precinct average have an estimate of value using a per property broadhectare method. Any component of public land contributions that exceed the precinct average have an estimate of value using a site specific method. For more information, refer to the *Infrastructure Contributions Plan Guidelines* October 2016 as published by the Department of Environment, Land, Water and Planning.

Per property broadhectare estimate of value

The per property broadhectare estimate of value prepared for each individual property assumes the unencumbered, highestand-best use as indicated by the PSP.

The estimates of value are prepared on a 'Before and After' basis where:

- The 'Before' assessment is based on the total developable area of each property, and ignores the land and infrastructure items to be provided by the DCP. Any development that occurs subsequent to the approval of the DCP is ignored for the purpose of the valuation.
- The 'After' assessment comprises the remaining portion of each property after all land required by the DCP has been provided. Severance or enhancement, disturbance, special value etc. are ignored for the purpose of the 'after' valuation.

Site specific value estimate

The site specific approach prepares an estimate of value for each separate infrastructure item. For example if a landowner has land identified for a road widening, a community centre and a local sports reserve, a site specific estimate of value would be prepared for all three items separately.

Site specific estimates of value generally assume that the land identified can be sold as serviced development lots, i.e. street frontages etc have already been constructed, therefore the land has a lower expected development cost.

3.3 Cost apportionment

The DCP apportions a charge in respect to each infrastructure project to new development according to its projected share of use of identified infrastructure items.

The cost apportionment is expressed as a percentage in Table 10 and 11. Projects that are 100% apportioned to the DCP area are considered to be wholly required for the future development of the DCP area. Projects that are less than 100% apportioned to the DCP area are shared with other areas outside the Leneva–Baranduda precinct and other funding sources.

3.3.1 Charge areas

The DCP contains one charge area for the entire PSP.

The DCP clearly demonstrates the infrastructure required to service the Leneva–Baranduda area. The charge area also defines the Main Catchment Area (MCA) for the various infrastructure projects. The MCA is the geographic area from which a given item of infrastructure will draw most of its use.

3.3.2 Non-government schools

The development of land for a non-government school is exempt from the requirement to pay a development infrastructure levy and a community infrastructure levy under this DCP.

3.3.3 Social and affordable housing

The Collecting Agency may on an individual basis consider any request for an exemption or discount of the Development Infrastructure Levy and the Community Infrastructure Levy for the development of social and affordable housing.

3.3.4 Schedule of costs

Tables 10 and 11 calculate the amount of contributions payable by each charge area for each infrastructure category.

3.3.5 Summary of charges per hectare

Tables 10 and 11 show the quantum of funds to be contributed by each charge area towards each infrastructure project. This adds up to the total amount of funds recoverable under the DCP.

Tables 10 and 11 set out a summary of costs for each charge area.

3.3.6 Small second dwelling

Amended by VC249 The development of land for a small second dwelling is exempt from the requirement to pay a development infrastructure levy and a community infrastructure levy under this DCP.

Table 10 Calculation of costs – Development Infrastructure Levy

DCP PROJECT NO.	PROJECT	INFRASTRUCTURE CATEGORY	LAND AREA (HA)	ESTIMATED PROJECT COST: LAND	ESTIMATED PROJECT COST: CONSTRUCTION	TOTAL ESTIMATED PROJECT COST: LAND & CONSTRUCTION	TOTAL COST RECOVERED BY DCP	RESIDENTIAL - CONTRIBUTION PER NDHA
ROAD PR								
RD-01	Baranduda Boulevard Purchase of land	Development	0.09	\$17,000	\$-	\$17,000	\$17,000	\$31
RD-01c	Baranduda Boulevard Construction of an ultimate 4-lane secondary arterial between the northern edge of the PSP boundary south towards the Baranduda Town Centre. South of the Baranduda Town Centre interim upgrades to the existing road (pedestrian/ cycling paths and street lighting)	Development	0.00	\$-	\$17,502,000	\$17,502,000	\$17,502,000	\$31,888
RD-02	Boyes Road Purchase of land for an ultimate 4-lane secondary arterial (that is within the PSP)	Development	0.94	\$108,634	\$-	\$108,634	\$108,634	\$198
RD-02c	Boyes Road Construction of an interim secondary arterial (2-lane) inside and outside of the PSP (Note: construction of interim road outside the PSP only includes land within Baranduda Range Estate)	Development	0.00	\$-	\$8,767,000	\$8,767,000	\$8,767,000	\$15,973
Sub-total	road projects		1.03	\$125,634	\$26,269,000	\$26,394,634	\$26,394,634	\$48,090
INTERSE	CTION PROJECTS							
IN-01	Beechworth-Wodonga Road / Connector road Land for an ultimate 3 way roundabout	Development	0.34	\$34,263	\$-	\$34,263	\$34,263	\$62
IN-01c	Beechworth-Wodonga Road / Connector road Construction of an interim 3 way roundabout	Development	0.00	\$-	\$1,762,000	\$1,762,000	\$1,762,000	\$3,210
IN-02	Beechworth-Wodonga Road / Baranduda Boulevard Land for an ultimate 4 way roundabout	Development	0.10	\$22,340	\$-	\$22,340	\$22,340	\$41
IN-02c	Beechworth-Wodonga Road / Baranduda Boulevard Construction of an interim/ ultiamte 4 way roundabout (Beechworth-Wodonga Road interim/ Baranduda Boulevard ultimate)	Development	0.00	\$-	\$1,156,000	\$1,156,000	\$1,156,000	\$2,106



DCP PROJECT NO.	PROJECT	INFRASTRUCTURE CATEGORY	LAND AREA (HA)	ESTIMATED PROJECT COST: LAND	ESTIMATED PROJECT COST: CONSTRUCTION	TOTAL ESTIMATED PROJECT COST: LAND & CONSTRUCTION	TOTAL COST RECOVERED BY DCP	RESIDENTIAL - CONTRIBUTION PER NDHA
IN-03	Baranduda Boulevard / Frederick Street Road Land for an ultimate 3 way signalised intersection	Development	0.01	\$3,127	\$-	\$3,127	\$3,127	\$6
IN-03c	Baranduda Boulevard / Frederick Street Road Construction of an ultimate 3 way signalised intersection	Development	0.00	\$-	\$3,323,000	\$3,323,000	\$3,323,000	\$6,054
IN-04	Baranduda Boulevard / Connector road Land for an ultimate 4 way roundabout	Development	0.13	\$22,497	\$-	\$22,497	\$22,497	\$41
IN-04c	Baranduda Boulevard / Connector road Construction of an ultimate 4 way roundabout	Development	0.00	\$-	\$1,921,000	\$1,921,000	\$1,921,000	\$3,499
IN-05	Baranduda Boulevard / Connector road (Baranduda Town Centre) Land for an ultimate 4 way signalised intersection	Development	0.19	\$24,369	\$-	\$24,369	\$24,369	\$44
IN-05c	Baranduda Boulevard / Connector road (Baranduda Town Centre) Construction of an ultimate 4 way signalised intersection	Development	0.00	\$-	\$3,645,000	\$3,645,000	\$3,645,000	\$6,641
IN-06	Boyes Road / Connector road Land for an ultimate 4 way roundabout	Development	1.52	\$175,332	\$-	\$175,332	\$175,332	\$319
IN-06c	Boyes Road / Connector road Construction of an interim 4 way roundabout	Development	0.00	\$-	\$3,849,000	\$3,849,000	\$3,849,000	\$7,013
IN-07c	Boyes Road / Baranduda Boulevard Construction of an interim 4 way signalised intersection	Development	0.00	\$-	\$3,862,000	\$3,862,000	\$3,862,000	\$7,036
IN-08c	Boyes Road-John Schubert Drive / Kiewa Valley Highway Construction of an interim/ ultimate 4 way signalised intersection (Boyes Road inteirm/Kiewa Valley Highway ultimate)	Development	0.00	\$-	\$4,319,000	\$4,319,000	\$4,319,000	\$7,869
IN-09	Kiewa Valley Highway / Connector road Purchase of land for an ultimate 3 way roundabout	Development	0.15	\$17,042	\$-	\$17,042	\$17,042	\$31
IN-09c	Kiewa Valley Highway / Connector road Construction of an ultimate 3 way roundabout	Development	0.00	\$-	\$1,816,000	\$1,816,000	\$1,816,000	\$3,309
Sub-total	intersection projects		2.43	\$298,970	\$25,653,000	\$25,951,970	\$25,951,970	\$47,284

DCP PROJECT NO.	PROJECT	INFRASTRUCTURE CATEGORY	LAND AREA (HA)	ESTIMATED PROJECT COST: LAND	ESTIMATED PROJECT COST: CONSTRUCTION	TOTAL ESTIMATED PROJECT COST: LAND & CONSTRUCTION	TOTAL COST RECOVERED BY DCP	RESIDENTIAL - CONTRIBUTION PER NDHA
BRIDGE I	PROJECTS							
BR-01	Baranduda Boulevard over Middle Creek	Development	0.00	\$-	\$2,815,000	\$2,815,000	\$2,815,000	\$5,129
Sub-total	bridge projects		0.00	\$-	\$2,815,000	\$2,815,000	\$2,815,000	\$5,129
СОММИ	NITY FACILITIES							
CI-01	Leneva Community Centre Purchase of land for a level 2 multipurpose community centre	Development	0.80	\$72,007	\$-	\$72,007	\$72,007	\$131
CI-01c	Leneva Community Centre Construction of a level 2 multipurpose community centre	Development	0.00	\$-	\$5,294,000	\$5,294,000	\$5,294,000	\$9,645
CI-02	Bears Hill Community Centre Purchase of land for a level 1 multipurpose community centre	Development	0.40	\$72,835	\$-	\$72,835	\$72,835	\$133
CI-02c	Bears Hill Community Centre Construction of a level 1 multipurpose community centre	Development	0.00	\$-	\$3,030,000	\$3,030,000	\$3,030,000	\$5,521
CI-03	Baranduda Community Centre Purchase of land for a level 2 multipurpose community centre	Development	0.80	\$104,000	\$-	\$104,000	\$104,000	\$189
CI-03c	Baranduda Community Centre Construction of a level 2 multipurpose community centre	Development	0.00	\$-	\$5,294,000	\$5,294,000	\$5,294,000	\$9,645
Sub-total	community facilities		2.00	\$248,842	\$13,618,000.00	\$13,866,842	\$13,866,842	\$25,265
ACTIVE	RECREATION RESERVES							
SR-01	Leneva Sporting Reserve Purchase of land for a 8ha sporting reserve	Development	8.00	\$1,603,017	\$-	\$1,603,017	\$1,603,017	\$2,921
SR-01c	Leneva Sporting Reserve Construction of a sporting oval, 4 outdoor netball courts, a playground, associated carparking and landscaping	Development	0.00	\$-	\$2,620,000	\$2,620,000	\$2,620,000	\$4,774
SR-02	Bears Hill Sporting Reserve Purchase of land for a 4ha sporting reserve	Development	4.00	\$743,332	\$-	\$743,332	\$743,332	\$1,354
SR-02c	Bears Hill Sporting Reserve Construction of two sporting ovals and associated carparking and landscaping	Development	0.00	\$-	\$1,810,000	\$1,810,000	\$1,810,000	\$3,298

DCP PROJECT NO.	PROJECT	INFRASTRUCTURE CATEGORY	LAND AREA (HA)	ESTIMATED PROJECT COST: LAND	ESTIMATED PROJECT COST: CONSTRUCTION	TOTAL ESTIMATED PROJECT COST: LAND & CONSTRUCTION	TOTAL COST RECOVERED BY DCP	RESIDENTIAL - CONTRIBUTION PER NDHA
SR-03c	Baranduda Sports and Recreation Facility Construction of 4 sporting ovals, cricket facility, outdoor netball courts, soccer pitches and tennis courts, passive recreation, carparking, roads and lighting, pavement an landscaping	Development	0.00	\$-	\$14,881,250	\$14,881,250	\$14,881,250	\$27,113
WCL-01	N1 walking and cycling link Construction of a walking and cycling network along the N1 including parths (2.5m wide) and 3 pedestrian/cycling crossings	Development	0.00	\$-	\$1,104,221	\$1,104,221	\$1,104,221	\$2,012
Sub-total	active recreation development infr	astructure projects	12.00	\$2,346,349	\$20,415,471	\$22,761,820	\$22,761,820	\$41,471
DRAINAG	SE PROJECTS							
W1	Purchase of land for a wetland	Development	0.88	\$204,914	\$-	\$204,914	\$204,914	\$373
W1c	Construction of wetland	Development	0.00	\$-	\$974,000	\$974,000	\$974,000	\$1,775
W2	Purchase of land for a wetland	Development	1.57	\$291,233	\$-	\$291,233	\$291,233	\$531
W2c	Construction of wetland	Development	0.00	\$-	\$1,678,000	\$1,678,000	\$1,678,000	\$3,057
W3	Purchase of land for a wetland	Development	1.24	\$275,898	\$-	\$275,898	\$275,898	\$503
W3c	Construction of wetland	Development	0.00	\$-	\$991,000	\$991,000	\$991,000	\$1,806
W4	Purchase of land for a wetland	Development	1.27	\$173,904	\$-	\$173,904	\$173,904	\$317
W4c	Construction of wetland	Development	0.00	\$-	\$1,325,000	\$1,325,000	\$1,325,000	\$2,414
W5	Purchase of land for a wetland	Development	2.06	\$517,874	\$-	\$517,874	\$517,874	\$944
W5c	Construction of wetland	Development	0.00	\$-	\$2,283,000	\$2,283,000	\$2,283,000	\$4,160
W6	Purchase of land for a wetland	Development	1.69	\$398,929	\$-	\$398,929	\$398,929	\$727
W6c	Construction of wetland Purchase of land for a wetland	Development	0.00	\$-	\$1,907,000	\$1,907,000	\$1,907,000	\$3,474
WRB1	and retarding basin	Development	1.55	\$363,733	\$-	\$363,733	\$363,733	\$663
WRB1c	Construction of wetland and regarding basin	Development	0.00	\$-	\$2,128,000	\$2,128,000	\$2,128,000	\$3,877
WRB2	Purchase of land for a wetland and retarding basin	Development	1.95	\$481,571	\$-	\$481,571	\$481,571	\$877
WRB2c	Construction of wetland and regarding basin	Development	0.00	\$-	\$3,271,000	\$3,271,000	\$3,271,000	\$5,960
WRB3	Purchase of land for a wetland and retarding basin	Development	4.46	\$555,906	\$-	\$555,906	\$555,906	\$1,013
WRB3c	Construction of wetland and regarding basin	Development	0.00	\$-	\$5,784,000	\$5,784,000	\$5,784,000	\$10,538

DCP PROJECT NO.	PROJECT	INFRASTRUCTURE CATEGORY	LAND AREA (HA)	ESTIMATED PROJECT COST: LAND	ESTIMATED PROJECT COST: CONSTRUCTION	TOTAL ESTIMATED PROJECT COST: LAND & CONSTRUCTION	TOTAL COST RECOVERED BY DCP	RESIDENTIAL - CONTRIBUTION PER NDHA
WRB4	Purchase of land for a wetland and retarding basin	Development	1.37	\$254,579	\$-	\$254,579	\$254,579	\$464
WRB4c	Construction of wetland and regarding basin	Development	0.00	\$-	\$1,619,000	\$1,619,000	\$1,619,000	\$2,950
WRB5	Purchase of land for a wetland and retarding basin	Development	1.71	\$196,175	\$-	\$196,175	\$196,175	\$357
WRB5c	Construction of wetland and regarding basin	Development	0.00	\$-	\$2,088,583	\$2,088,583	\$2,088,583	\$3,805
Sub-total drainage projects				\$3,714,716.05	\$24,048,583.00	\$27,763,299.05	\$27,763,299.05	\$50,583.7
SUMMARY								
Total cost all projects \$119,553,565								
Total Development Infrastructure Levy per NDA								

Table 11 Calculation of costs – Community Infrastructure Levy

DCP PROJECT NO.	PROJECT	INFRASTRUCTURE CATEGORY	LAND AREA HA	ESTIMATED PROJECT COST: LAND	ESTIMATED PROJECT COST: CONSTRUCTION	TOTAL ESTIMATED PROJECT COST: LAND & CONSTRUCTION	TOTAL COST ATTRIBUTED TO DCP	
SR-01p	Leneva Sporting Reserve Construction of a sports pavilion.	Community	0.00	\$-	\$2,700,000	\$2,700,000	\$2,700,000	
SR-02p	Bears Hill Sporting Reserve Construction of a sports pavilion.	Community	0.00	\$-	\$1,715,000	\$1,715,000	\$1,715,000	
SR-03p	Baranduda Sports and Recreation Facility Construction of an indoor stadium	Community	0.00	\$-	\$5,425,000	\$5,425,000	\$5,425,000	
Sub-total	active recreation (community infrastructure levy)	0.00	\$0	\$9,840,000	\$9,840,000	\$9,840,000		
SUMMARY								
Total Community Infrastructure Levy per Dwelling								
Total Co	mmunity Infrastructure Levy Estimated Rais	sed Via the Ler	eva-Barandu	da DCP			\$6,943,054	

4.0 IMPLEMENTATION & ADMINISTRATION

This section sets out how the DCP will be administered and covers the:

- Timing of payment;
- Provision of works and land in kind; and
- How funds generated by this DCP will be managed in terms of reporting, indexation and review periods.

The Development Infrastructure Levy applies to subdivision and/or development of land.

The Community Infrastructure Levy applies to the construction of dwellings.

4.1 Collecting agency (agency responsible for collecting infrastructure levy)

The City of Wodonga is the Collecting Agency pursuant to section 46K(1)(fa) of the Planning and Environment Act 1987 which means that it is the public authority to whom all levies are payable. As the Collecting Agency, the City of Wodonga is also responsible for the administration of the DCP and also its enforcement pursuant to Section 46QC of the Act.

4.2 Development agency (agency responsible for works)

The City of Wodonga is the Development Agency and is responsible for the provision of all infrastructure projects funded by the DCP.

4.3 Payment of contribution levies and payment timing

4.3.1 Development infrastructure

For subdivision of land

A Development Infrastructure Levy in accordance with the Leneva—Baranduda Development Contributions Plan must be paid to Wodonga City Council (Council) for each demand unit (Net Developable Hectare) in the subdivision within the following specified time, namely after certification of the relevant plan of subdivision but not more than 21 days prior to the issue of a Statement of Compliance with respect to that plan under the Subdivision Act 1988; and

Where the subdivision is to be developed in stages, the Development Infrastructure Levy in accordance with the Leneva–Baranduda DCP for the stage to be developed may only be paid to Council for each demand unit (Net Developable Hectare) in the stage within 21 days prior to the issue of a Statement of Compliance for that stage provided that a Schedule of Development Contributions is submitted within each stage of plan of subdivision. The Schedule of Development Contributions must show the amount of the development contributions payable for each stage and the value of the contributions for prior stages to the satisfaction of Council.

If Council agrees to works or provision of land in lieu of the payment of the Development Infrastructure Levy, the owner must enter into an agreement under Section 173 of the *Planning and Environment Act 1987* in respect of the proposed works or provision of land in kind to specific requirements.

For development of land where no subdivision is proposed

Provided a Development Infrastructure Levy has not already been paid for the land, a Development Infrastructure Levy in accordance with the Leneva–Baranduda DCP must be paid to Council for each demand unit (Net Developable Hectare) proposed to be developed prior to the commencement of any development. Development includes the area of all buildings, car parks, access ways, landscaping and ancillary components. The Collecting Agency may agree to a different time for payment.

If Council agrees to works or provision of land in lieu of payment of the infrastructure levy, the owner must enter into an agreement under Section 173 of the Act in respect of the proposed works or provision of land in lieu.

For development of land where no planning permit is required

Provided a Development Infrastructure Levy has not already been paid for the land, a Development Infrastructure Levy in accordance with the Leneva–Baranduda DCP must be paid to Council for each demand unit (Net Developable Hectare) proposed to be developed prior to the commencement of any development. If the development is not a subdivision, development includes the area of all buildings, car parks, access ways, landscaping and ancillary components. The Collecting Agency may agree to a different time for payment.

4.3.2 Community Infrastructure Levy

The Community Infrastructure Levy must be paid by the person applying for a building permit prior to the issue of a building permit.

Community Infrastructure Levies for 'residential buildings' will be calculated at the rate for a single dwelling. For all other forms of accommodation, a Community Infrastructure Levy must be paid for each dwelling within the development.

A Community Infrastructure Levy is not payable for a dwelling on a lot which was created prior to Approval Date of this DCP.

4.3.3 Works in kind

Under Section 46P of the Act, the Collecting Agency may accept the provision of land, works, services or facilities by the applicant in part, or in full, in lieu of the amount of levy payable. This can be agreed with the Collecting Agency before or after the application for the permit is made or before the development is carried out. The agreement must include a list of the DCP infrastructure that Council has agreed in writing to allow to be provided as works in lieu. As a guide, the agreement will also address:

- The works constitute project(s) funded by the DCP;
- Council agrees that the timing of the works would be consistent with priorities in this DCP;
- The works are defined and agreed in a Section 173 agreement;
- Works must be provided to a standard that accords with the DCP to the satisfaction of Council, unless an alternative is agreed to by Council;
- Detailed design must be approved by Council and must generally accord with the expectations outlined in this DCP less an alternative is agreed by Council;
- The construction of works must be completed to the satisfaction of Council;
- There should be no negative financial impact on the DCP to the satisfaction of Council; and
- In particular, the works will only be accepted in lieu of a financial contribution required by this DCP to the extent that they
 constitute part or all of the design of the infrastructure item and reduce the cost to complete that design, to Council's
 satisfaction. Temporary works will not be accepted as works in kind.

Where the Collecting Agency agrees that works are to be provided by a development proponent in lieu of cash contributions (subject to the arrangements specified above):

- The credit for the works (unless an alternative approach is agreed with Council) provided shall equal the value identified
 in the DCP, taking into account the impact of indexation;
- The value of the works provided in accordance with the principle outlined above, will be off-set against the development contributions liable to be paid by the development proponent; and
- Credit for the provision of works in kind shall be at a time to be negotiated between the development proponent and Council.

4.3.4 Non-government schools

Where land is subdivided or developed for the purpose of a government school, non-government school or any other use that is partly or wholly exempt from development contributions and the land is subsequently used for a purpose other than as one of those exempt uses, the owner of that land must pay to Council development contributions in accordance with the provisions of the DCP.

4.4 Funds administration

The administration of the contributions made under the DCP including reporting requirements relating to development contributions will be transparent and development contributions will be held in accounts for each class of infrastructure until required for provision of items in that class. Details of funds received and expenditures will be held by Council in accordance with the provisions of the *Local Government Act 1989* and the Act.

The administration of contributions made under this DCP will be transparent and demonstrate:

- The amount and timing of funds collected;
- The sources of funds collected;
- The amount and timing of expenditure on specific projects;
- The project on which the expenditure was made;
- The account classes or individual project classes;
- Details of any works in kind arrangements for project provision; and
- Any pooling or quarantining of funds to deliver specific projects where applicable.

Council will provide for regular monitoring, reporting and review of the monies received and expended in accordance with the DCP.

Council will establish interest bearing accounts and all monies held in these accounts will be used solely for the provision of infrastructure as specified in the DCP.

Should Council achieve savings on any project, or resolve not to proceed with any of the infrastructure projects listed in this DCP, the funds collected for these items will be used for alternative works in the same infrastructure class as specified by the DCP. Such funds may also be used for the provision of additional works, services or facilities where approved by the Minister responsible for theAct, or will be refunded to developers and/or owners of land subject to these infrastructure charges.

4.5 Construction and land value costs indexation

Capital costs of all infrastructure items are in 2017 dollars and will be indexed by Council annually to take account of inflation.

The cost base of the amount of the development contribution allocated to community and recreation construction must be indexed using the Producer Price Index Numbers for Non-Residential Building Construction – Victoria published by the Australian Bureau of Statistics (Catalogue 6427.0, Table 17, Output of the Construction Industries, subdivision and class index numbers) for the June, September, December and March quarters occurring immediately before the beginning of the financial year in respect of which the indexed rate is being determined.

The cost base of the amount of the development contribution allocated to transport related construction must be indexed using the *Producer Price Index Numbers for Road and Bridge Construction – Victoria* published by the Australian Bureau of Statistics (Catelogue 6247.0, Table 17, Output of the Construction Industries, subdivision and class index numbers) for the June, September, December and March quarters occurring immediately before the beginning of the financial year in respect of which the indexed rate is being determined.

The cost base of the amount of the development contribution allocated to all land will be re-valued annually by a registered valuer based on the PLEM methodology for each lot that includes land for an infrastructure project.

Within 14 days of the indexation/adjustments being made, Council will publish the amended capital costs for each infrastructure item and the adjusted Development Infrastructure Levy and Community Infrastructure Levy (if any) on Council's website.

If the capped amount of the Community Infrastructure Levy is amended, then the Community Infrastructure Levy will be increased to the indexed amount subject to the revised capped amount.

4.6 Development contributions plan review period

This DCP adopts a long-term outlook for development. It takes into account planned future development in the Leneva–Baranduda precinct. A 'full development' horizon of land within the PSP within 40 years of gazettal of the DCP has been adopted.

The DCP commences on the Approval Date and will end when development within the precinct is complete, which is projected to be 30 years after gazettal.

The DCP should be reviewed and if necessary updated every 5 years (or more frequently if required).

The 5 yearly review is anticipated to include:

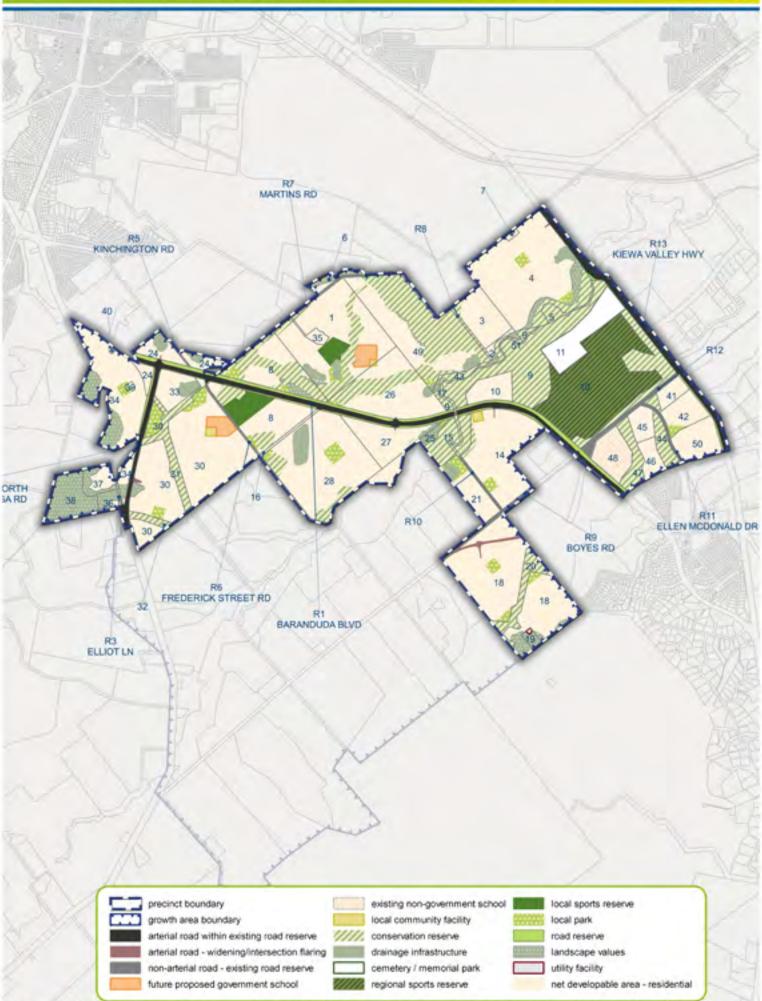
- Updates to any aspect of the plan as required;
- Review of projects required, as well as their costs and scope (as relevant) and indicative provision trigger;
- Review of estimated net developable area (this will also be required in the PSP is subject to a substantive amendment); and
- Review of land values for land to be purchased through the plan.

4.7 Adjustment to infrastructure scope

During the implementation of the DCP a development may propose material changes to the use and development of land from that contemplated in the PSP, leading to increased requirement for infrastructure. In these cases there must be no negative impact on the DCP. The developer must pay the additional costs associated with the provision of the infrastructure item over and above the standard required by the DCP.

Appendix A Parcel specific land budget

Detailed information on the developable area for each property is included in the Land Use Budget Plan and the detailed land use budget (parcel specific) included in the PSP and provided below.



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Table 12 Parcel specific land budget

LENEVA AND BARANDUDA																		
											OPEN SPACE	ACE					TO ⁻	
	,		TRANSPORT			СОММ	COMMUNITY & EDUCATION	ATION	UNC	REDITED O	UNCREDITED OPEN SPACE		CREDITED OPEN SPACE	OPEN	ОТНЕК	<u>~</u>	TAL NET	N
PSP PROPERTY ID	OTAL AREA (HECTARES)	ARTERIAL ROAD WITHIN EXISTING ROAD RESERVE	ARTERIAL ROAD - WIDENING AND INTERSECTION FLARING (DCP LAND)	NON-ARTERIAL ROAD - EXISTING ROAD RESERVE	ARTERIAL ROAD RESERVE	FUTURE PROPOSED GOVERNMENT SCHOOL	EXISTING NON-GOVERNMENT SCHOOL	LOCAL COMMUNITY FACILITIES (DCP LAND)	CONSERVATION RESERVE	DRAINAGE INFRASTRUCTURE (DCP LAND)	CEMETERY / MEMORIAL PARK	LANDSCAPE VALUES	LOCAL SPORTS RESERVE (DCP LAND)	LOCAL PARK (VIA CL53.01)	REGIONAL SPORTS RESERVE	UTILITIES FACILITY	DEVELOPABLE AREA (HECTARES)	IET DEVELOPABLE AREA % OF PROPERTY
Property																		
₩	63.17	1	,	,	•	3.50	1	0.31	11.49	2.94	٠	0.43	4.00	0.67	٠	•	39.83	63.05%
2	1.80	1	'	•		'	•	'	٠	•	٠	0.65	•	٠	•	1	1.15	63.86%
က	16.12	1	'	1	٠	1	1	1	0.87	1	1	0.12	1	1	1	1	15.14	93.87%
4	73.35	1	0.15	•	٠	1	'	1	6.45	1.71	1	5.25	1	1.72	1	1	58.07	79.17%
C)	3.08	1	1	٠	٠	'	1	•	3.08	1	٠		1	٠	1	٠	0.00	%00.0
9	2.43	1	1	•	•	•	•	•	٠	•	٠	1.53	•	٠	•	1	06.0	36.93%
7	08.0	1	•	•	•	•	•	1			•	1	٠	•	•	٠	0.80	100.00%
80	56.71	1	1	•	•	1	'	•	19.06	1	٠	2.10	8.00	1.81	•	1	25.73	45.38%
O	57.43	1	1	٠	•	'	'	1	57.43	1	1	1	1	٠	1	1	0.00	%00.0
10	75.58	1	1	•	•	'	'	•	•	1	٠	•	1	٠	66.50	1	9.07	12.01%
1	20.00	1	1	•	٠	1	1	1	1	1	20.00	1	1	1	1	1	0.00	%00.0
14	40.09	1	0.19	٠	•	1	•	0.80	1.33	•	٠	٠	1	1.00	٠	•	36.77	91.73%
15	11.43	1	1	٠	1	1	•	•	11.43	•	٠		1	٠	1	1	0.00	%00.0
16	1.36	1	1	•	•	1	•	•	1	•	٠	•	1	٠	•	1	1.36	100.00%
17	2.13	1	0.09	•	•	1	•	•	2.04		1		1	1	1	٠	0.00	%00.0
18	71.59	1	2.47	٠	•	'	•	•	1	•	٠	4.42	1	2.60	٠	•	62.10	86.75%
19	1.80	1	'	•	•	'	1	'	'	•	'	1.61	•	'	•	0.18	0.00	%00.0
20	8.69	1	•	•	1	'	•	1	8.69	•	•	٠	•	•	٠	•	0.00	%00.0
21	12.74	1	•	•	,	1	1	•	1	1.69	1	,	1	1.69	1	•	9.35	73.43%
24	15.28	1	0.10	•	•	•	•	•	•	2.43	٠	1.15	٠	•	٠	٠	11.61	75.94%
25	1.86	1	1	٠	•	'	'	1	1	1.40	1	1	1	0.46	1	1	0.00	%00.0
26	38.89	1	0.05	•	•	•	•	0.09	10.65	0.61	٠	٠	•	0.33	٠	•	27.16	69.83%
27	17.73	•	0.08	1	•	•	•	•	0.47	0.65	•	•	•	0.03	•	•	16.50	93.07%

		N	ET DEVELOPABLE AREA % OF PROPERTY	80.41%	85.71%	4.26%	%00.0	%89.08	73.21%	97.61%	17.28%	54.51%	%00.0	50.04%	100.00%	100.00%	90.17%	%00.0	%00.0	100.00%	100.00%	%00.0	%00.0	35.43%	100.00%	%00.0	56.46%
	тот	TAL NET	DEVELOPABLE AREA (HECTARES)	54.12	71.44	0.48	0.00	8.15	31.73	2.14	0.52	3.86	0.00	0.23	0.23	4.83	9.17	0.00	0.00	6.21	5.67	0.00	0.00	21.77	12.71	0.00	548.82
		Ä	UTILITIES FACILITY	'	1	•	1	•	•	•	٠	•	1	1	1	'	•	1	•	1	٠	•	٠	1	٠	'	0.18
		ОТНЕК	REGIONAL SPORTS RESERVE	'	1	•	1	1	•	'	•	'	•	'	•	'	•	,	•	1	٠	•	•	,	•	•	09.99
		D OPEN CE	LOCAL PARK (VIA CL53.01)	2.59	6.39	٠	1	•	0.77	'	1	'	1	0.23	1	'	1.00	0.05	1	1	,	•	'	0.41	'	1	21.75
		CREDITED OPEN SPACE	LOCAL SPORTS RESERVE (DCP LAND)	'	•	٠	1	•	•	'	1	'	'	'	'	'	•	1	1	1	'	'	1	1	1	'	12.00
	PACE	ш	LANDSCAPE VALUES	'	0.99	٠	1	•	10.74	'	2.48	3.22	13.74	'	'	'	•	0.05	1	1	٠	٠	1	1.16	1	•	49.66
	OPEN SPACE	UNCREDITED OPEN SPACE	CEMETERY / MEMORIAL PARK	'	•	٠	1	•	1	'	1	'	'	'	'	'	•	•	1	1	'	•	'	1	'	•	20.00
		CREDITED (DRAINAGE INFRASTRUCTURE (DCP LAND)	4.46	•	٠	1	1.95	1	'	1	'	1	'	1	'	•	0.32	1	1	'	•	'	1.59	'	•	19.74
		Ň	CONSERVATION RESERVE	6.13	•	10.74	2.50	•	1	0.05	1	'	'	'	'	'	•	3.77	6.87	1	'	7.84	1	36.52	1	1.36	208.78
		ATION	LOCAL COMMUNITY FACILITIES (DCP LAND)	'	0.80	٠	1	•	•	'	1	'	'	'	'	'	•	1	1	1	٠	'	1	1	1	'	2.00
		COMMUNITY & EDUCATION	EXISTING NON-GOVERNMENT SCHOOL	'	1	•	'	•	'	'	'	'	1	'	1	1	•	1	•	1	'	'	12.19	1	'	'	12.19
		СОММП	FUTURE PROPOSED GOVERNMENT SCHOOL	'	3.50	•	1	•	•	1	•	1	1	1	1	'	1	1	1	1	٠	•	•	'	•	'	7.00
			ARTERIAL ROAD RESERVE		•	٠	٠	•	٠	٠	•	•	•	•	•	•	٠	٠	•	٠	٠		٠	٠	٠	•	•
			NON-ARTERIAL ROAD - EXISTING ROAD RESERVE	'	٠	٠	٠	٠	٠	٠	٠	٠	٠	•	٠	•	٠	٠	٠	•	٠	٠	٠	٠	٠	٠	
		TRANSPORT	ARTERIAL ROAD - WIDENING AND INTERSECTION FLARING (DCP LAND)	'	0.24	0.01	1	1	0.10	'	•	'	•	'	•	,	•	,	•	1	٠	•	•	,	•	•	3.46
			ARTERIAL ROAD WITHIN EXISTING ROAD RESERVE	'	•	٠	1	•	•	•	'	•	•	'	•	'	•	'	1	1	•	'	•	'	•	'	•
		Ţ	OTAL AREA (HECTARES)	67.31	83.36	11.22	2.50	10.10	43.34	2.19	2.99	7.07	13.74	0.46	0.23	4.83	10.17	4.19	6.87	6.21	2.67	7.84	12.19	61.45	12.71	1.36	972.08
LENEVA AND BARANDUDA			PSP PROPERTY ID	28	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	SUB-TOTAL



		N	ET DEVELOPABLE AREA % OF PROPERTY		%00.0	%00.0	%00.0	%00.0	%00.0	1.23%	%00.0	%00.0	%00.0	%00.0	%00.0	%00.0	0.00%	0.05%	21.66%
	TO ⁻	TAL NET	DEVELOPABLE AREA (HECTARES)		0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	548.86
		ж	UTILITIES FACILITY		•	1	1	1	1	1	1	1	1	1	1	1	1	•	0.18
		ОТНЕК	REGIONAL SPORTS RESERVE		•	1	•	1	•	•	1	'	•	1	1	'	1	*	66.50
		D OPEN CE	LOCAL PARK (VIA CL53.01)		•	1	•	1	'	•	'	'	•	'	'	'	1	*	21.75
		CREDITED OPEN SPACE	LOCAL SPORTS RESERVE (DCP LAND)		•	1	•	1	•	•	'	'	•	'	'	'	'	*	12.00
	PACE	ш	LANDSCAPE VALUES		•	1	0.30	2.19	•	•	1.78	'	•	1	•	•	1	4.27	53.92
	OPEN SPACE	OPEN SPAC	CEMETERY / MEMORIAL PARK		•	1	٠	1	•	•	'	'	•	'	'	'	•	*	20.00
		UNCREDITED OPEN SPACE	DRAINAGE INFRASTRUCTURE (DCP LAND)		0.01	1	1	•	1	1	•	1	1	•	1	1	1	0.01	19.75
		N N	CONSERVATION RESERVE		0.03	•	•	'	'	0.00	'	1.30	•	0.32	1	•	1	1.66	210.44
		SATION	LOCAL COMMUNITY FACILITIES (DCP LAND)		1	•	1	•	•	•	1	•	•	•	,	•	1	*	2.00
		COMMUNITY & EDUCATION	EXISTING NON-GOVERNMENT SCHOOL		•	'	•	•	1	•	1	٠	•	'	٠	٠	1	*	12.19
		COMMU	FUTURE PROPOSED GOVERNMENT SCHOOL		1	•	1	•	1	•	1	•	•	•	1	٠	1	*	7.00
			ARTERIAL ROAD RESERVE		22.46	2.23	•	1	1	•	•	•		•	•	•	5.51	30.20	30.20
		Ŀ.	NON-ARTERIAL ROAD - EXISTING ROAD RESERVE		•	1	0.18	0.16	0.52	3.36	3.80	٠	6.62	1.34	1.77	1.32	٠	19.07	19.07
		TRANSPORT	ARTERIAL ROAD - WIDENING AND INTERSECTION FLARING (DCP LAND)		,	•	•	•	•	٠	١	٠	•	٠	٠	٠	1	*	3.46
			ARTERIAL ROAD WITHIN EXISTING ROAD RESERVE		16.75	2.67	•	•	•	90.0	•	•	•	•	1	•	12.68	35.16	35.16
		Ī	OTAL AREA (HECTARES)		39.25	7.90	0.48	2.35	0.52	3.46	5.58	1.30	6.62	1.66	1.77	1.32	18.19	90.41	1.062.49
LENEVA AND BARANDUDA			PSP PROPERTY ID	Road Reserve	R1-BARANDUDA BLVD	R2-BEECHWORTH- WODONGA RD	R3-ELLIOT LN	R4-DRAPERS DR	R5-KINCHINGTON RD	R6-FREDERICK STREET RD	R7-MARTINS RD	R8	R9-BOYES RD	R10	R11-ELLEN MCDONALD DR	R12	R13-KIEWA VALLEY HWY	SUB-TOTAL	TOTALS PSP 1105

Appendix B Project cost estimates and concept designs

The following cost estimates and designs are provided for information purposes only to provide an indication about how the DCP project costs were calculated. The transport and drainage project cost estimates and concept designs were prepared by ARUP in collaboration with the City of Wodonga, the VPA and VicRoads. The community infrastructure cost estimates were prepared by Aquenta Consulting Pty Ltd in collaboration with the City of Wodonga and the VPA. All projects will be subject to detailed design prior to delivery.

For information in addition to what is included in this Appendix refer to:

- Wodonga PSP Leneva & Baranduda Functional Design and Costing of Road and Drainage Infrastructure prepared by ARUP (07 June 2017); and PSP 1105 Leneva Baranduda - Additional Wetland / Retarding basin - Technical Note (September 2018)
- Infrastructure Costings Community Infrastructure prepared by Aquenta Consulting Pty Ltd (15 June 2017).

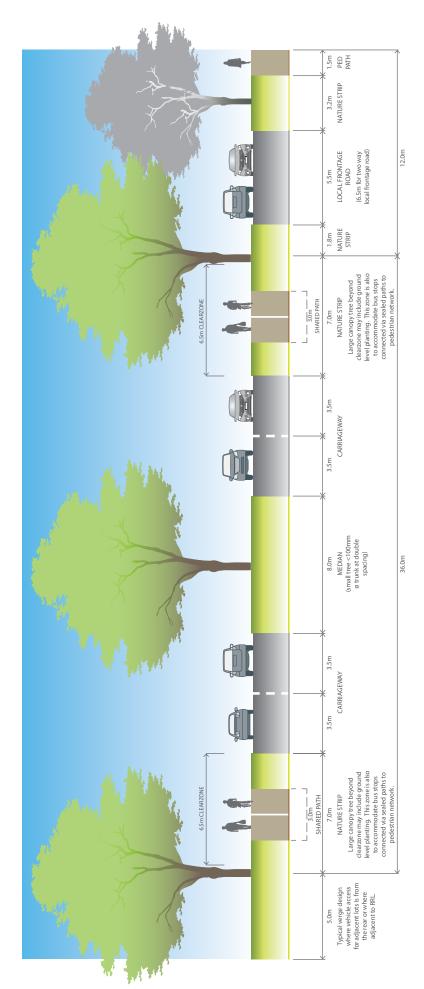
TRANSPORT PROJECT COST ESTIMATES AND FUNCTIONAL LAYOUT PLANS





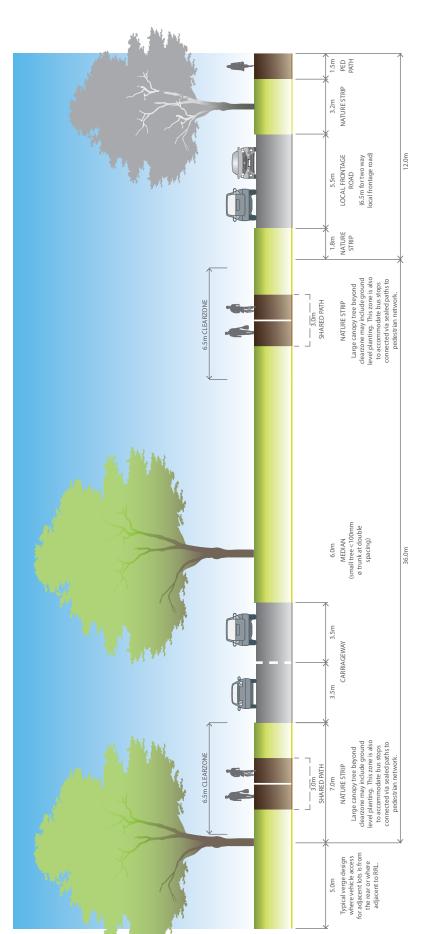


apoint, Victoria Parring Latinity, 2015. The date of lictoria does not warrant the accuracy or completeness of internation of any person using or relating upon such internation does not on the basis that the date of lictoria dual bear so responsibility or labelly whotevower for any errors, the date or resource on the internation.

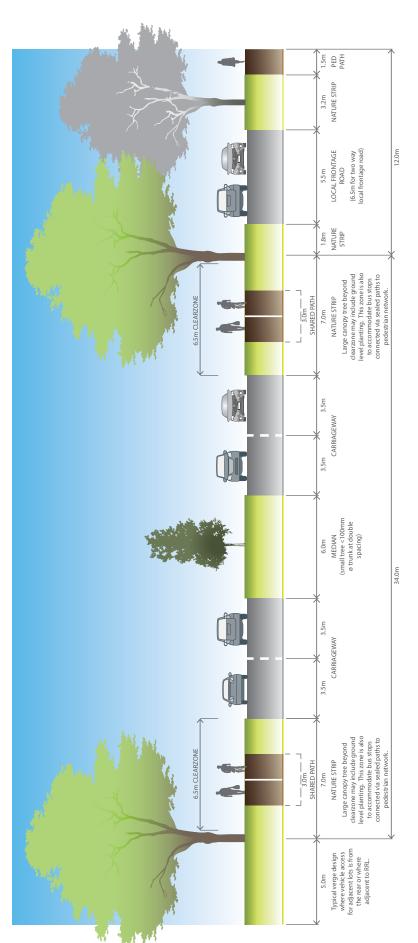


- Includes typical residential interface both sides
 - Minimum street tree mature height 15 metres
- Kerbs for arterial carriageways are to be SM2 Semi-Mountable Kerb, and local frontage roads are to be B2 Barrier Kerb as per Figure 008 in Engineering Design and Construction Manual for Subdivision in Growth Areas.
- 6.5m Clearzone assumes 80km/hr speed limit where required clearzones are to be consistent with VicRoads guidelines
- Configuration of ultimate cross section in response to existing vegetation and 80m road reserve to occur at the detailed design stage prior to delivery.
- Street plantings should consider infrastructure placement.

Victorian Planning Authority Leneva-Baranduda Precinct Structure Plan



- Includes typical residential interface both sides
- Minimum street tree mature height 15 metres
- Kerbs for arterial carriageways are to be SM2 Semi-Mountable Kerb, and local frontage roads are to be B2 Barrier Kerb as per Figure 008 in Engineering Design and Construction Manual for Subdivision in Growth Areas.
- 6.5m Clearzone assumes 80km/hr speed limit where required clearzones are to be consistent with VicRoads guidelines
 - Configuration of ultimate cross section in response to existing vegetation and 80m road reserve to
 occur at the detailed design stage prior to delivery.
- Street plantings should consider infrastructure placement.



- Includes typical residential interface both sides (outside road reserve)
 - Minimum street tree mature height 15 metres
- Kerbs for arterial carriageways are to be SM2 Semi-Mountable Kerb, and local frontage roads are to be B2 Barrier Kerb as per Figure 008 in Engineering Design and Construction Manual for Subdivision in Growth Areas.
- 6.5m Clearzone assumes 80km/hr speed limit where required clearzones are to be consistent with VicRoads guidelines
- Configuration of ultimate cross section in response to native vegetation and 60m road reserve to occur
 at detailed design stage prior to delivery.
- Street plantings should consider infrastructure placement.

Victorian Planning Authority
Leneva-Baranduda Precinct Structure Plan

Includes typical residential interface both sides (outside road reserve)

-configuration in response to native vegetation

subject to detailed design.

- Minimum street tree mature height 15 metres
- Kerbs for arterial carriageways are to be SM2 Semi-Mountable Kerb, and local frontage roads are to be B2 Barrier Kerb as per Figure 008 in Engineering Design and Construction Manual for Subdivision in Growth Areas.
- 6.5m Clearzone assumes 80km/hr speed limit where required clearzones are to be consistent with VicRoads guidelines
- Street plantings should consider infrastructure placement.

Victorian Planning Authority
Leneva-Baranduda Precinct Structure Plan

Secondary Arterial Road 4 Iane (60.0m including Road Reserve, 27.0m Outside Road Reserve) Boyes Road - Adjacent to existing road reserve (Ultimate)

1.5m [°] PED PATH

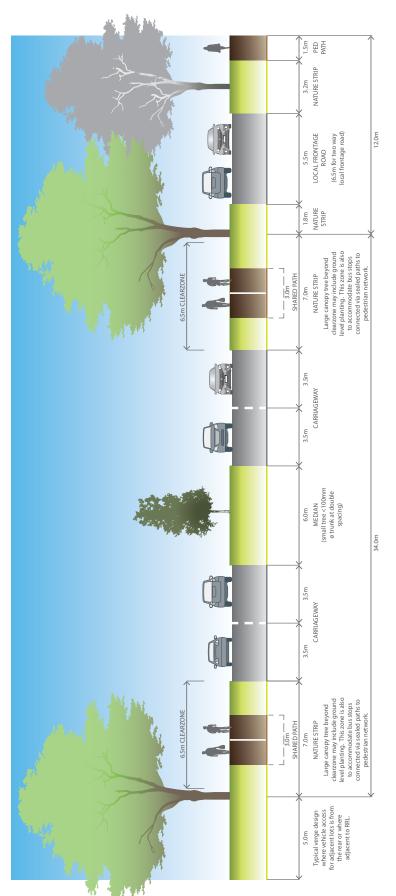
-configuration in response to native vegetation

subject to detailed design.

NOTES:

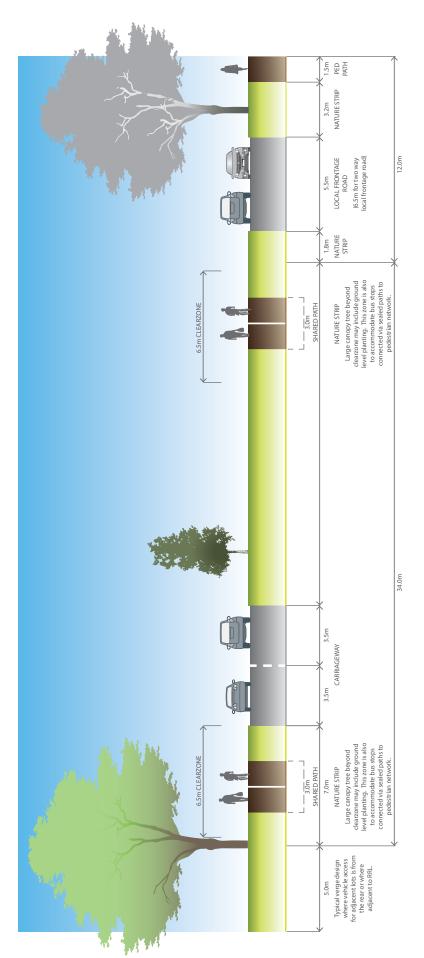
- Includes typical residential interface both sides (outside road reserve)
- Minimum street tree mature height 15 metres
- Kerbs for arterial carriageways are to be SM2 Semi-Mountable Kerb, and local frontage roads are to be B2 Barrier Kerb as per Figure 008 in Engineering Design and Construction Manual for Subdivision in Growth Areas.
 - 6.5m Clearzone assumes 80km/hr speed limit where required clearzones are to be consistent with VicRoads guidelines
- Street plantings should consider infrastructure placement.

Victorian Planning Authority
Leneva-Baranduda Precinct Structure Plan



- Includes typical residential interface both sides (outside road reserve)
- Minimum street tree mature height 15 metres
- Minimum surectured insignit of metres
 Kerbs for arterial carriageways are to be SM2 Semi-Mountable Kerb, and local frontage roads are to be B2 Barrier Kerb as per Figure 008 in Engineering Design and Construction Manual for Subdivision in Growth Areas.
- 6.5m Clearzone assumes 80km/hr speed limit where required clearzones are to be consistent with VicRoads guidelines
- Configuration of ultimate cross section in response to native vegetation and 60m road reserve to occur at detailed design stage prior to delivery.
- Street plantings should consider infrastructure placement.

Victorian Planning Authority

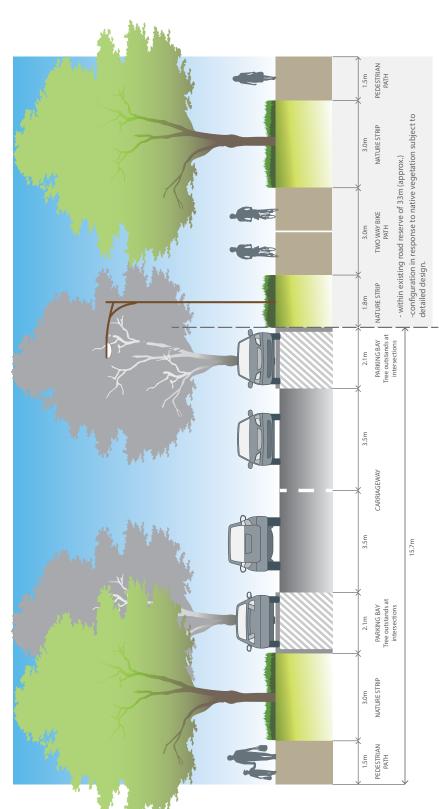


NOTES

- Includes typical residential interface both sides (outside road reserve)
- Minimum street tree mature height 15 metres
- Kerbs for arterial carriageways are to be SM2 Semi-Mountable Kerb, and local frontage roads are to be B2 Barrier Kerb as per Figure 008 in Engineering Design and Construction Manual for Subdivision in Growth Areas.
- 6.5m Clearzone assumes 80km/hr speed limit where required clearzones are to be consistent with VicRoads guidelines
 - Configuration of interim cross section in response to native vegetation and existing road reserves/roads to occur at
 detailed design stage prior to delivery.
- Street plantings should consider infrastructure placement.

Leneva-Baranduda Precinct Structure Plan

Secondary Arterial Road 4 lane (34.0m Standard) Boyes Road (Interim)



- Minimum street tree mature height 15 metres
- · Where roads abut school drop-off zones and thoroughfares, grassed nature strip should be replaced with pavement. Canopy tree planting must in incorporated into any additional pavement.
 - · Verge widths may be reduced where roads abut open space with the consent of the responsible
- Street plantings should consider infrastructure placement.

		Job No.	Sheet No.	Rev.
ΙAR	JJP	246965-00)	
		Element	Cost Schedule	
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A	
Calculation	Construction Cost Estimate	Made by	Date 19/12/2016	Chd.

RD01-1 Baranduda Boulevard (West of IT02)

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT	ORIGI	NAL RATE		AMOUNT	S	UBTOTAL
Α		Site Clearance							\$	6,192
	A1	General Site Clearance	1,596	m ²	\$	2.00	\$	3,192		
	A2	Trees - Girth between 300mm and 1000mm	6	No.	\$	500.00	\$	3,000		
Б		F4hd							•	25.452
В	B1	Earthworks	1,596	2	•	5.00	Ф.	7,980	Þ	25,452
	ы	Stripping site topsoil to stockpile on site (assume 150mm thick)	1,596	m ²	\$	5.00	\$	7,960		
	B2	Excavate to subgrade including offsite disposal	437	m ³	\$	30.00	\$	13,104		
	B3	Subgrade preparation, trimming and compaction	1,092	m ²	\$	4.00		4,368		
	-	Cabigrate proparation, timming and compaction	.,002		<u> </u>			1,000		
С		Road Pavement							\$	58,800
	C1	New pavement	588	m ²	\$	100.00	\$	58,800		
						-				
D		Concrete Works							\$	75,600
	D1	SM2 type kerb	336	m	\$	45.00	\$	15,120		
	D2	Shared pavement	504	m ²	\$	120.00	\$	60,480		
E		Drainage							\$	64,400
		Pipes and Box Culverts: Excavation Depth <1.5m		ł	1	ļ			l	
	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	168	m	\$	300.00	\$	50,400		
	E2	Drainage Pit (1000x750)	4	No.	\$	3,500.00	\$	14,000		
							L			
F		Guard Fence (Not Used)							\$	-
_										
G	0.1	Signs and Linemarking	222						\$	2,268
	G1	Continuous/edge line	336	m	\$	4.00	\$	1,344		
	G2	Intermittent continuity line (incl SUP)	336	m N-	\$	2.50	\$	840		
	G3	RRPM's	21	No.	\$	4.00	\$	84		
ш		Street Lighting							¢	40.000
п	H1	SB pole, 6m bracket arm, 150W luminaires, electrical	4	Item	\$	10,000.00	\$	40,000	P	40,000
		transformers and electrical works. Design and	7	ileiii	Ψ	10,000.00	Ψ	40,000		
		construction by Powercor (incl design and				ļ				
		management)		<u> </u>						
I		Utility Services (Not Used)							\$	-
							L			
J		Landscaping							\$	2,520
	J1	Remove topsoil from stockile and spread 100mm	504	m ²	\$	5.00	\$	2,520		
		thick on road batters, swales and adjacent areas				ļ				
		disturbed by construction.			 		-			
K		Misc Works							\$	2,520
	K1	Right of way fencing - 1.2m post and wire	168	m	\$	15.00	\$	2,520		
	1	, , , , , , , , , , , , , , , , , , ,			t		Ė	,		
L		Sub-total Works (A-K)							\$	277,752
		, ,								
М		Delivery								
	M1	Site Establishment	2.5	%			\$	6,943.80		
	M2	Survey/Design	10	%	† 		\$	27,775.20		
	M3	Supervision & Project Management	5	%	†		\$	13,887.60		
	M4	Contingency	20	%	† 		\$	55,550.40		
	M5	Traffic/Environmental Management	5.5	%	† 		\$	15,276.36		
	M6	Council Fees	3.25	%	†		\$	9,026.94		
							Ė			
		Sub-total Delivery (M)							\$	128,460
IN .										

		Job No.		Sheet No.		Rev.
LAR	UP	246965-00				
		Element	Cos	t Schedule		
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A			
Calculation	Construction Cost Estimate	Made by	[Date 19/12/2016	Chd.	

RD01-2 Baranduda Boulevard (IT02-IT03)

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT	ORIO	GINAL RATE		AMOUNT	Sl	JBTOTAL
		0,0								40.550
A		Site Clearance	0.000	2		0.00		10.570	\$	16,578
	A1	General Site Clearance	6,289	m ²	\$	2.00		12,578		
	A2	Trees - Girth between 300mm and 1000mm	8	No.	\$	500.00	\$	4,000		
		Earthworks							\$	84,457
В	B1	Stripping site topsoil to stockpile on site (assume	6,289	m ²	\$	5.00	\$	31,445	Þ	04,457
	ы	150mm thick)	0,209	m	Ψ	5.00	Ψ	31,443		
	B2	Excavate to subgrade including offsite disposal	1,334	m ³	\$	30.00	\$	40.020		
	B3	Subgrade preparation, trimming and compaction	3,248	m ²	\$	4.00		12,992		
		gpp		- 111	Ť		Ť	,		
С		Road Pavement							\$	204,079
	C1	New pavement	1,856	m ²	\$	100.00	\$	185,600		,
	C2	Wearing Course Overlay - Asphalt - 40mm, including	1,087	m ²	\$	17.00	\$	18,479		
D		Concrete Works							\$	208,800
	D1	SM2 type kerb	928	m	\$	45.00	\$	41,760		
	D2	Shared pavement	1,392	m ²	\$	120.00	\$	167,040		
		·								
E		Drainage							\$	94,143
		Pipes and Box Culverts: Excavation Depth <1.5m								
	E2	RCP - 375mm Class 3 RRJ (incl subsoil)	232	m	\$	300.00	\$	69,643		
	E17	Drainage Pit (1000x750)	7	No.	\$	3,500.00		24,500		
						-,	Ė	, , , , , , , , , , , , , , , , , , , ,		
F		Guard Fence (Not Used)							\$	-
		The state of the s							Ť	
G		Signs and Linemarking							\$	6,414
	G1	Continuous/edge line	928	m	\$	4.00	\$	3,712	*	٠,
	G2	Intermittent continuity line (incl SUP)	928	m	\$	2.50		2,320		
	G3	Intermittent lane line	75	m	\$	2.00	\$	150		
	G4	RRPM's	58	No.	\$	4.00		232		
		i da mo			T	1.00	Ť			
Н		Street Lighting							\$	90,000
	H1	SB pole, 6m bracket arm, 150W luminaires, electrical		Item	\$	10,000.00	\$	90,000	•	
		transformers and electrical works. Design and			'	.,		,		
		construction by Powercor (incl design and								
		management)	9							
			-							
l		Utility Services (Not Used)							\$	_
-		Carrier (1995)							Ť	
ı		Landscaping							\$	15,205
	J1	Remove topsoil from stockile and spread 100mm	3,041	m ²	\$	5.00	\$	15,205	*	10,200
		thick on road batters, swales and adjacent areas	.,.		'		·	.,		
		disturbed by construction.								
K		Misc Works							\$	6,960
	K1	Right of way fencing - 1.2m post and wire	464	m	\$	15.00	\$	6,960		
L		Sub-total Works (A-K)							\$	726,636
М		Delivery								
	M1	Site Establishment	2.5	%			\$	18,165.90		
	M2	Survey/Design	10	%			\$	72,663.59		
	M3	Supervision & Project Management	5	%			\$	36,331.79		
	M4	Contingency	20	%			\$	145,327.17		
	M5	Traffic/Environmental Management	5.5	%	1		\$	39,964.97		
	M6	Council Fees	3.25	%			\$	23,615.67		
					1		Ť			
N		Sub-total Delivery (M)							\$	336,069
0		PROJECT BUDGET							\$	1.062.705

		Job No.	Sheet	No.	Rev.
ΙAR	U₽	246965-00			
7		Element	Cost Sch	edule	
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A		
Calculation	Construction Cost Estimate	Made by	Date	19/12/2016	Chd.

RD01-3 Baranduda Boulevard (IT03-IT04)

Length (m): 1,545

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT	ORI	GINAL RATE		AMOUNT	S	UBTOTAL
•		04- 01							•	07.570
А	A 4	Site Clearance General Site Clearance	42,789	2	•	2.00	•	85,578	\$	87,578
	A1 A2	Trees - Girth between 300mm and 1000mm	42,769	m² No.	\$	500.00	\$	2,000		
	72	Trees - Girtif between 300mm and 1000mm	7	INO.	Ψ	300.00	Ψ	2,000		
В		Earthworks							\$	535,305
	B1	Stripping site topsoil to stockpile on site (assume	42,789	m ²	\$	5.00	\$	213,945	Ψ	000,000
		150mm thick)	1_,		1		*	,		
	B2	Excavate to subgrade including offsite disposal	8,034	m ³	\$	30.00	\$	241,020		
	В3	Subgrade preparation, trimming and compaction	20,085	m ²	\$	4.00	\$	80,340		
С		Road Pavement							\$	1,265,355
	C1	New pavement	10,815	m ²	\$	100.00	\$	1,081,500		
	C2	Wearing Course Overlay - Asphalt - 40mm, including	10,815	m²	\$	17.00	\$	183,855		
D		Concrete Works							\$	1,390,500
	D1	SM2 type kerb	6,180	m	\$	45.00	\$	278,100		
	D2	Shared pavement	9,270	m ²	\$	120.00	\$	1,112,400		
-	+	Paralle and							•	4 000 000
E		Drainage							\$	1,602,836
		Pipes and Box Culverts: Excavation Depth <1.5m								
		DOD 075 01 0 DD1 (1 1 1 1)	4 000		_	202.00	•	540 505		
	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	1,829	m	\$	300.00		548,585		
	E2 E4	RCP - 450mm Class 3 RRJ (incl subsoil) RCP - 525mm Class 3 RRJ	1,348 1,025	m m	\$	400.00 400.00		539,194 410,057		
	E5	Drainage Pit (1000x750)	30	1	\$	3,500.00		105,000		
	EO	Drainage Pit (1000x750)	30	No.	ð	3,500.00	\$	105,000		
г		Guard Fence (Not Used)							\$	
F		Guard Fence (Not Osed)							Þ	-
G		Signs and Linemarking							\$	41,715
<u> </u>	G1	Continuous/edge line	6180	m	\$	4.00	\$	24,720	Ψ	71,710
	G2	Intermittent continuity line (incl SUP)	6180	m	\$	2.50		15,450		
	G3	RRPM's	386	No.	\$	4.00		1,545		
		Tuu me		110.	Ť		_	1,010		
Н		Street Lighting							\$	620,000
	H1	SB pole, 6m bracket arm, 150W luminaires, electrical	62	Item	\$	10,000.00	\$	620,000		,
		transformers and electrical works. Design and								
		construction by Powercor (incl design and								
		management)			-					
		Utility Services (Not Used)							\$	
		Othing Services (Not Osed)							Þ	-
		Landscaping							\$	113,520
J	J1	Remove topsoil from stockile and spread 100mm	22,704	m ²	\$	5.00	\$	113,520	Ą	113,520
	0 '	thick on road batters, swales and adjacent areas	22,704	m	ų.	3.00	Ψ	110,020		
		disturbed by construction.								
K		Misc Works							\$	46,350
	K1	Right of way fencing - 1.2m post and wire	3,090	m	\$	15.00	\$	46,350		
L		Sub-total Works (A-K)							\$	5,703,159
М		Delivery								
	M1	Site Establishment	2.5	%			\$	142,578.97		
	M2	Survey/Design	10	%			\$	570,315.88		
	M3	Supervision & Project Management	5	%			\$	285,157.94		
	M4	Contingency	20	%			\$	1,140,631.77		
	M5	Traffic/Environmental Management	5.5	%			\$	313,673.74		
	M6	Council Fees	3.25	%			\$	185,352.66		
					\perp					
N		Sub-total Delivery (M)							\$	2,637,711
0		PROJECT BUDGET							\$	8,340,870



		Job No.		Sheet No.		Rev.
LAR	.UP	246965-00				
, , , ,		Element	Cos	t Schedule		
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A			
Calculation	Construction Cost Estimate	Made by	[Date 19/12/2016	Chd.	

RD01-4 Baranduda Boulevard (IT04-IT05)

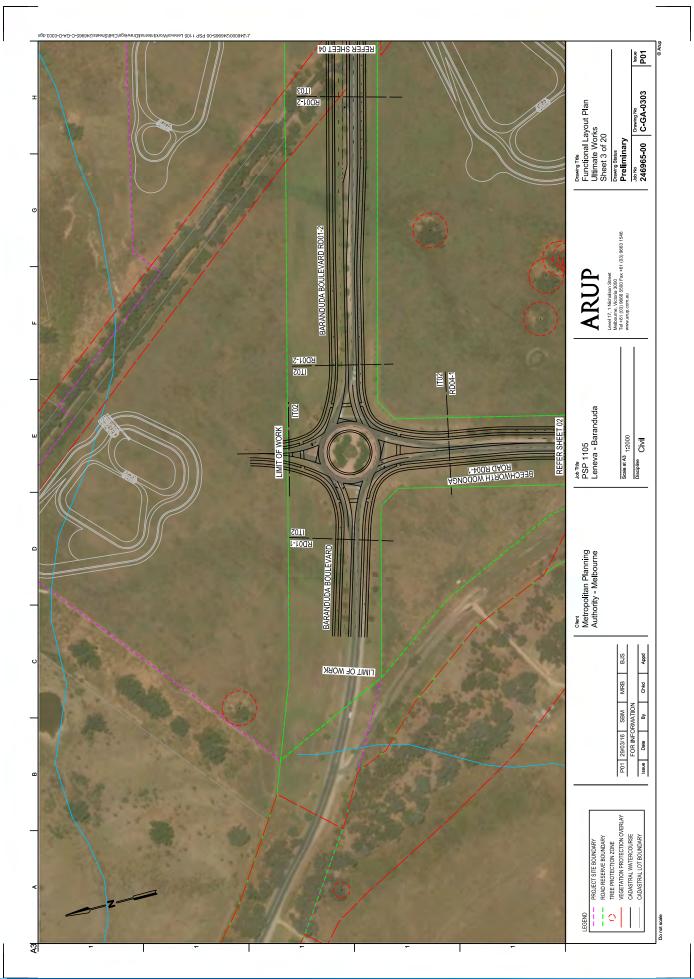
SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT	ORIG	INAL RATE		AMOUNT	S	UBTOTAL
A		Site Clearance							\$	29,706
	A1	General Site Clearance	14,853	m ²	\$	2.00	\$	29,706		
D		Cauthorage							4	407 F00
В	B1	Earthworks Stripping site topsoil to stockpile on site (assume	14,853	m ²	\$	5.00	\$	74,265	Þ	187,580
	ы	150mm thick)	14,055	m	Ψ	3.00	φ	74,203		
	B2	Excavate to subgrade including offsite disposal	2,841	m ³	\$	30.00	\$	85,235		
	B3	Subgrade preparation, trimming and compaction	7,020	m ²	\$	4.00	\$	28,080		
С		Road Pavement							\$	448,108
	C1	New pavement	3,882	m ²	\$	100.00	\$	388,200		
	C7	Wearing Course Overlay - Asphalt - 40mm, including	3,524	m²	\$	17.00	\$	59,908		
n		Concrete Works							\$	470,700
	D1	SM2 type kerb	2,092	m	\$	45.00	\$	94,140	Ψ	470,700
	D2	Shared pavement	3,138	m ²	\$	120.00		376,560		
							Ė			
E		Drainage							\$	384,279
		Pipes and Box Culverts: Excavation Depth <1.5m								
	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	1,007	m	\$	300.00		302,179		
	E2	RCP - 450mm Class 3 RRJ (incl subsoil)	39	m	\$	400.00		15,600		
	E3	Drainage Pit (1000x750)	19	No.	\$	3,500.00	\$	66,500		
-		Guard Fence (Not Used)							\$	
Г		Guard Felice (Not Osed)							Ą	-
G		Signs and Linemarking							\$	14,121
	G1	Continuous/edge line	2092	m	\$	4.00	\$	8,368	_	,
	G2	Intermittent continuity line (incl SUP)	2092	m	\$	2.50	\$	5,230		
	G3	RRPM's	131	No.	\$	4.00	\$	523		
Н		Street Lighting							\$	210,000
	H1	SB pole, 6m bracket arm, 150W luminaires, electrical transformers and electrical works. Design and construction by Powercor (incl design and management)	21	Item	\$	10,000.00	\$	210,000		
		HARLA O (NI - 4 III II)							•	
		Utility Services (Not Used)							\$	-
		Landscaping							\$	39,165
•	J1	Remove topsoil from stockile and spread 100mm	7,833	m ²	\$	5.00	\$	39,165	Ψ	33,103
		thick on road batters, swales and adjacent areas	1,222	""	Ť		Ť			
		disturbed by construction.								
.,		and the same of th							•	45.000
K	K1	Misc Works Right of way fencing - 1.2m post and wire	1.046	m	\$	15.00	6	15,690	\$	15,690
	N I	Right of way fending - 1.2m post and wife	1,040	1111	ų.	13.00	φ	15,090		
ı		Sub-total Works (A-K)							\$	1,799,349
_		Oub-total Works (A-It)							Ψ	1,733,343
М		Delivery								
	M1	Site Establishment	2.5	%			\$	44,983.72		
	M2	Survey/Design	10	%			\$	179,934.87		
	M3	Supervision & Project Management	5	%	1		\$	89,967.43		
	M4	Contingency	20	%			\$	359,869.74		
	M5	Traffic/Environmental Management	5.5	%			\$	98,964.18		
	M6	Council Fees	3.25	%		•	\$	58,478.83		
N		Sub-total Delivery (M)							\$	832,199
0		PROJECT BUDGET							\$	2,631,547

_		Job No.	She	et No.	Rev.
I A R	ՍԻ	246965-00			
		Element	Cost Sc	chedule	
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A		
Calculation	Construction Cost Estimate	Made by	Date	19/12/2016	Chd.

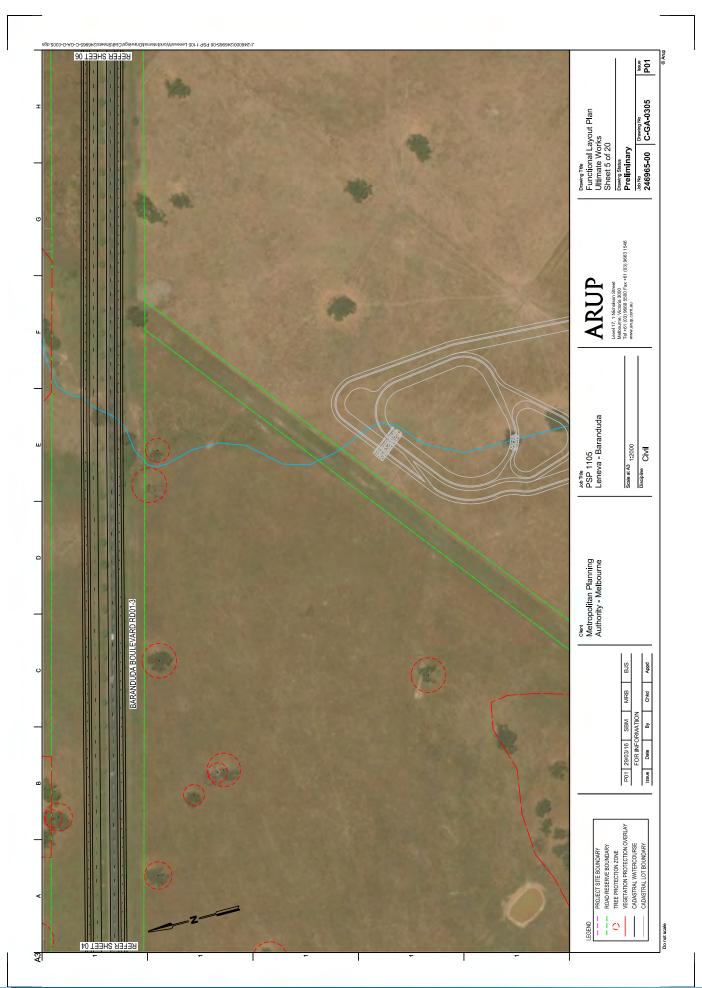
RD01-5 Baranduda Boulevard (IT05-IT06)

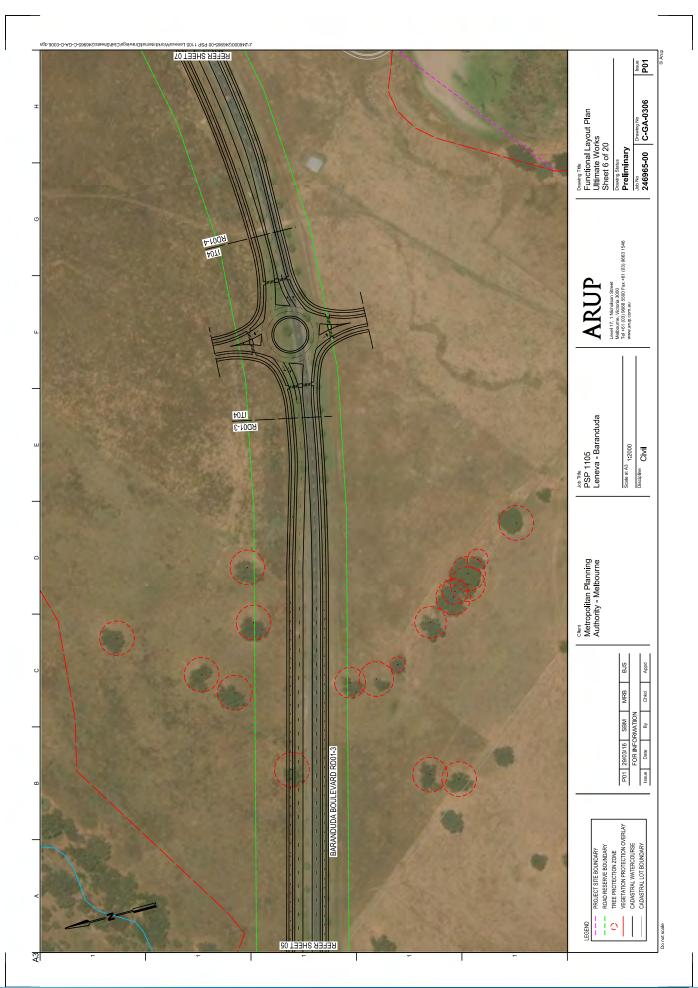
Length (m): 1,127

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT	ORIGIN	AL RATE		AMOUNT	S	UBTOTAL
A		Site Clearance							\$	47,088
	A1	General Site Clearance	20,544	m ²	\$	2.00		41,088	<u> </u>	
	A2	Trees - Girth between 300mm and 1000mm	12	No.	\$	500.00	\$	6,000	<u> </u>	
В		Earthworks			_				\$	340,218
	B1	Stripping site topsoil to stockpile on site (assume	20,544	m ²	\$	5.00	\$	102,720	l	
	DO.	150mm thick)	5,880	3	•	30.00	•	176,394	├──	
	B2	Excavate to subgrade including offsite disposal		m ³	\$		\$		 	
	B3 B4	Subgrade preparation, trimming and compaction	15,276	m ²	\$	4.00	\$	61,104		
	В4	Imported Type B general fill, spread and compact in		m ³	\$	25.00	\$	- [l	
		lavers								
C		Road Pavement							\$	815,044
· ·	C1	New pavement	7,516	m ²	\$	100.00	\$	751,600	Ψ	013,044
	C2	Wearing Course Overlay - Asphalt - 40mm, including	3,732	m ²	\$	17.00		63,444		
	02	Wearing Course Overlay - Aspriant - 40mm, including	3,732	m	Ψ	17.00	φ	03,444		
D		Concrete Works							•	1,051,170
	D1	SM2 type kerb	2,666	m	\$	45.00	\$	119,970	Ψ	1,051,170
	D1 D2	Shared pavement	7,760	m m²	\$	120.00		931,200		
	DZ	опатса рачетнети	1,100	m ⁻	Ψ	120.00	Ψ	93 1,ZUU		
E		Drainago							\$	704 740
		Prainage Pipes and Box Culverts: Excavation Depth <1.5m							Ą	781,710
		ripes and Box Guiverts: Excavation Depth <1.5m							l	
	F4	DOD 075 01 0 DD 1 // 1 1 1/0	4			000.00	•	F00 4::	Н—	
	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	1,754	m	\$	300.00		526,140	Ь——	
	E3	RCP - 450mm Class 3 RRJ	500	m	\$	350.00	\$	175,070	Ь—	
	E2	Drainage Pit (1000x750)	23	No.	\$	3,500.00	\$	80,500	Ь—	
									<u> </u>	
F		Guard Fence (Not Used)							\$	-
									<u> </u>	
G		Signs and Linemarking							\$	24,324
	G1	Continuous/edge line	3,381	m	\$	4.00	\$	13,524	<u> </u>	
	G2	Intermittent continuity line (incl SUP)	3,945	m	\$	2.50	\$	9,861	<u> </u>	
	G3	RRPM's	235	No.	\$	4.00	\$	939	<u> </u>	
									Щ	
Н		Street Lighting							\$	340,000
	H1	SB pole, 6m bracket arm, 150W luminaires, electrical	34	Item	\$	10,000.00	\$	340,000	l	
		transformers and electrical works. Design and							l	
		construction by Powercor (incl design and							l	
		management)								
		Utility Services (Not Used)							\$	
		Othity Services (Not Oseu)							Ψ	-
		Landscaping							¢	26,340
	J1	Remove topsoil from stockile and spread 100mm	5,268	m ²	\$	5.00	\$	26,340	Ψ	20,340
	3 1	thick on road batters, swales and adjacent areas	J,200	m-	Ψ	5.00	Ψ	20,340	l	
		disturbed by construction.					l		l	
		MISTAL DOLD TO CONSTRUCTION.								
K		Misc Works							\$	33,810
	K1	Right of way fencing - 1.2m post and wire	2,254	m	\$	15.00	\$	33,810		,
	1	, , , , , , , , , , , , , , , , , , ,					•			
L		Sub-total Works (A-K)							\$	3,459,704
		our total from (Piny							*	0,100,704
М		Delivery								
	M1	Site Establishment	2.5	%			\$	86,492.61		
-	M2	Survey/Design	10	%	1			345,970.44	 	
-			5		1		\$			
	M3	Supervision & Project Management		%	1		\$	172,985.22	Н—	
	M4	Contingency	20	%			\$	691,940.89	⊢—	
	M5	Traffic/Environmental Management	5.5	%	1		\$	190,283.74	—	
	M6	Council Fees	3.25	%			\$	112,440.39	Ь—	
			ı		1		i i		1	
N		Sub-total Delivery (M) PROJECT BUDGET							\$ \$	1,600,113 5,059,818

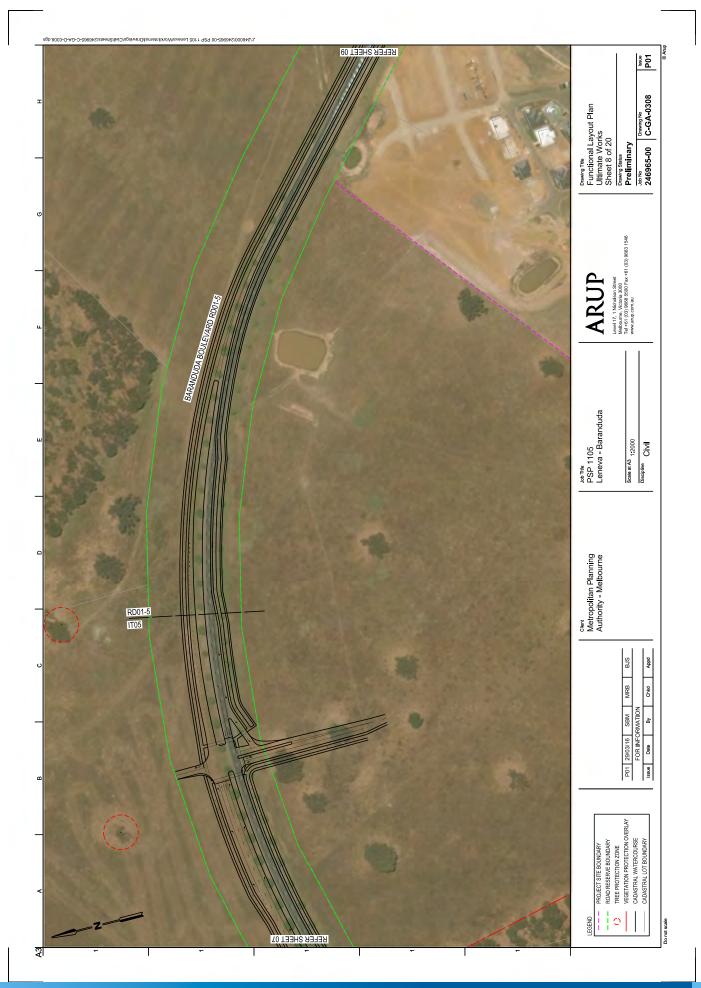




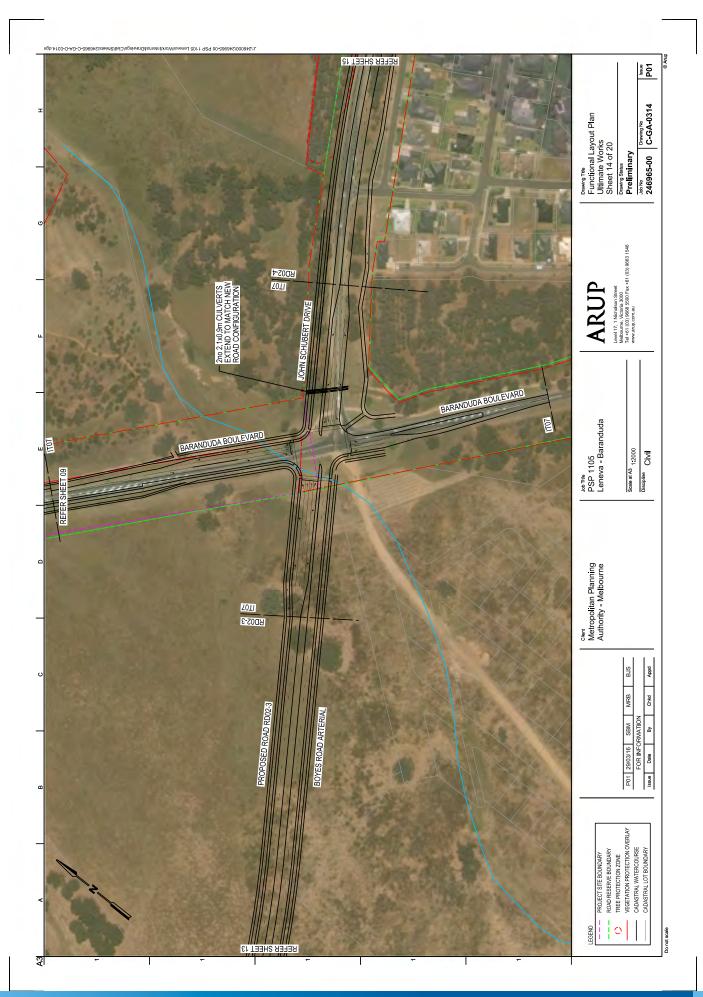












				Sheet No.	Rev.	
ARUP		246965-00				
		Element	Cost Schedule			
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A			
Calculation	Construction Cost Estimate	Made by	С	^{rate} 19/12/2016	Chd.	

RD02-1 Boyes Road Arterial (West of IT06)

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT	ORIGINAL RATE		AMOUNT		
A		Site Clearance						\$	7,874
	A1	General Site Clearance	3,187	m ²	\$ 2.00		6,374		
	A2	Trees - Girth between 300mm and 1000mm	3	No.	\$ 500.00	\$	1,500		
В		Earthworks						\$	46,000
	B1	Stripping site topsoil to stockpile on site (assume	3,187	m ²	\$ 5.00	\$	15,935		
	B2	150mm thick)	761	3	\$ 30.00	\$	22.020		
	B2	Excavate to subgrade and stockpile material on mine site (assume not reusable)	701	m ³	\$ 30.00	Þ	22,829		
	В3	Subgrade preparation, trimming and compaction	1,809	m ²	\$ 4.00	\$	7,236		
			1,000	- 111		Ť	.,		
С		Road Pavement						\$	118,947
_	C1	New pavement	1,089	m ²	\$ 100.00	\$	108,900	*	110,011
	C2	Wearing Course Overlay - Asphalt - 40mm, including	591	m ²	\$ 17.00		10,047		
		, , , , , , , , , , , , , , , , , , , ,			,				
D		Concrete Works						\$	108,000
	D1	SM2 type kerb	480	m	\$ 45.00	\$	21,600		, , , , , , , , , , , , , , , , , , , ,
	D2	Shared pavement	720	m ²	\$ 120.00	\$	86,400		
		,	-				,		
E		Drainage						\$	210,880
		Pipes and Box Culverts: Excavation Depth <1.5m							
	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	240	m	\$ 300.00	\$	72,000		
	E2	RCBC 2x1800 x 900mm	22	m	\$ 5,000.00		110,000		
	E3	RC Endwall (BC 2x1800 x 900mm)	2	No.	\$ 6,500.00		13,000		
	E4	Drainage Pit (1000x750)	4	No.	\$ 3,500.00		14,000		
	E5	Stone beaching	40	m ²	\$ 47.00		1,880		
		(Allow 4x5=20m2 avg per new endwall)				·	•		
F		Guard Fence (Not Used)						\$	-
G		Signs and Linemarking						\$	3,240
	G1	Continuous/edge line	480	m	\$ 4.00	\$	1,920		
	G2	Intermittent continuity line (incl SUP)	480	m	\$ 2.50		1,200		
	G3	RRPM's	30	No.	\$ 4.00	\$	120		
Н		Street Lighting						\$	50,000
	H1	SB pole, 6m bracket arm, 150W luminaires, electrical		Item	\$ 10,000.00	\$	50,000		
		transformers and electrical works. Design and							
		construction by Powercor (incl design and	5						
		management)	<u> </u>						
		Utility Services (Not Used)						\$	_
•		othity services (Not used)						φ	_
.1		Landscaping						\$	6,890
	J1	Remove topsoil from stockile and spread 100mm	1,378	m ²	\$ 5.00	\$	6,890	Ψ	0,030
	'	thick on road batters, swales and adjacent areas	1,070	1/1	3.00	"	0,030		
					i .	1			
		disturbed by construction.							
K		disturbed by construction. Misc Works						\$	3,600
К	K1	disturbed by construction.	240	m	\$ 15.00	\$	3,600	\$	3,600
К	K1	disturbed by construction. Misc Works	240	m	\$ 15.00	\$	3,600	\$	3,600
K	K1	disturbed by construction. Misc Works	240	m	\$ 15.00	\$	3,600	\$	3,600 555,431
K	K1	disturbed by construction. Misc Works Right of way fencing - 1.2m post and wire	240	m	\$ 15.00	\$	3,600	\$	
K M	K1	disturbed by construction. Misc Works Right of way fencing - 1.2m post and wire	240	m	\$ 15.00	\$	3,600	\$	
M M	K1 M1	disturbed by construction. Misc Works Right of way fencing - 1.2m post and wire PROJECT COST (TOTAL A - K)	240	m %	\$ 15.00	\$	3,600	\$	
K M		disturbed by construction. Misc Works Right of way fencing - 1.2m post and wire PROJECT COST (TOTAL A - K) Delivery			\$ 15.00			\$	
M M	M1 M2	disturbed by construction. Misc Works Right of way fencing - 1.2m post and wire PROJECT COST (TOTAL A - K) Delivery Site Establishment Survey/Design	2.5	% %	\$ 15.00	\$	13,885.76 55,543.05	\$	
M M	M1 M2 M3	disturbed by construction. Misc Works Right of way fencing - 1.2m post and wire PROJECT COST (TOTAL A - K) Delivery Site Establishment Survey/Design Supervision & Project Management	2.5 10 5	% % %	\$ 15.00	\$ \$	13,885.76 55,543.05 27,771.53	\$	
K M	M1 M2 M3 M4	disturbed by construction. Misc Works Right of way fencing - 1.2m post and wire PROJECT COST (TOTAL A - K) Delivery Site Establishment Survey/Design Supervision & Project Management Contingency	2.5 10 5 20	% % % %	\$ 15.00	\$ \$ \$	13,885.76 55,543.05 27,771.53 111,086.10	\$	
M M	M1 M2 M3 M4 M5	disturbed by construction. Misc Works Right of way fencing - 1.2m post and wire PROJECT COST (TOTAL A - K) Delivery Site Establishment Survey/Design Supervision & Project Management Contingency Traffic/Environmental Management	2.5 10 5 20 5.5	% % % % %	\$ 15.00	\$ \$ \$	13,885.76 55,543.05 27,771.53 111,086.10 30,548.68	\$	
K M M	M1 M2 M3 M4	disturbed by construction. Misc Works Right of way fencing - 1.2m post and wire PROJECT COST (TOTAL A - K) Delivery Site Establishment Survey/Design Supervision & Project Management Contingency	2.5 10 5 20	% % % %	\$ 15.00	\$ \$ \$	13,885.76 55,543.05 27,771.53 111,086.10	\$	
K M M	M1 M2 M3 M4 M5	disturbed by construction. Misc Works Right of way fencing - 1.2m post and wire PROJECT COST (TOTAL A - K) Delivery Site Establishment Survey/Design Supervision & Project Management Contingency Traffic/Environmental Management	2.5 10 5 20 5.5	% % % % %	\$ 15.00	\$ \$ \$	13,885.76 55,543.05 27,771.53 111,086.10 30,548.68	\$	

		Job No.		Sheet No.	Rev.		
ARUP		246965-00					
		Element	Element Cost Schedule				
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A				
Calculation	Construction Cost Estimate	Made by	D	ate 19/12/2016	Chd.		

RD02-2 INTERIM Boyes Rd Arterial (IT06-280m East)

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT	ORIO	SINAL RATE		AMOUNT	SI	JBTOTAL
4		Site Clearance							\$	8,884
	A1	General Site Clearance	4,192	m ²	\$	2.00	\$	8,384		
	A2	Trees - Girth between 300mm and 1000mm	1	No.	\$	500.00	\$	500		
В		Earthworks							\$	79,616
	B1	Stripping site topsoil to stockpile on site (assume	4,192	m ²	\$	5.00	\$	20,960		
	B2	150mm thick) Excavate to subgrade including offsite disposal	1,466	3	\$	30.00	\$	43,992		
	B3	Subgrade preparation, trimming and compaction	3,666	m ³	\$	4.00	\$	14,664		
	БО	Subgrade preparation, trimining and compaction	3,000	m-	φ	4.00	φ	14,004		
С		Road Pavement							\$	197,400
	C1	New pavement	1,974	m ²	\$	100.00	\$	197,400	Ψ	101,400
					1					
D		Concrete Works							\$	228,240
	D1	SM2 type kerb	560	m	\$	45.00	\$	25,200		
	D2	Shared pavement	1,692	m²	\$	120.00	\$	203,040		
E		Drainage							\$	189,000
		Pipes and Box Culverts: Excavation Depth <1.5m					l			
					1		L_			
	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	560	m	\$	300.00		168,000		
	E6	Drainage Pit (1000x750)	6	No.	\$	3,500.00	\$	21,000		
F	E4	Guard Fence	400		•	400.00	•	40.000	\$	48,000
	F1	Install new W beam guard fence, incl terminal treatme	400	m	\$	120.00	\$	48,000		
C		Signs and Linemarking							\$	4,480
G	G1	Continuous/edge line	560	m	\$	4.00	\$	2.240	ð	4,400
	G2	Intermittent continuity line (incl SUP)	840	m	\$	2.50	_	2,100		
	G3	RRPM's	35	No.	\$	4.00		140		
		144 1110			+	1.00	Ť			
Н		Street Lighting							\$	60,000
	H1	SB pole, 6m bracket arm, 150W luminaires, electrical	6	Item	\$	10,000.00	\$	60,000		,
		transformers and electrical works. Design and								
		construction by Powercor (incl design and								
		management)		+	-					
		Utility Services (Not Used)							¢	
		othing Services (Not Osed)							Ą	
		Landscaping							¢	2.630
<u> </u>	J1	Remove topsoil from stockile and spread 100mm	526	m ²	\$	5.00	\$	2,630	Ψ	2,030
		thick on road batters, swales and adjacent areas	020		*	0.00	Ť	2,000		
		disturbed by construction.								
K		Misc Works							\$	8,400
	K1	Right of way fencing - 1.2m post and wire	560	m	\$	15.00	\$	8,400		
L		Sub-total Works (A-K)							\$	826,650
		Deliver								
IVI	144	Delivery Site Fetablishment	2.5	0/			•	100 000 00		
	M1	Site Establishment	2.5	%	-		\$	100,000.00		
	M2	Survey/Design	10	%	+		\$	82,665.00		
	M3 M4	Supervision & Project Management	5 20	%	1		\$	41,332.50		
		Contingency			-		\$	165,330.00		
	M5 M6	Traffic/Environmental Management	5.5 3.25	%	+		\$	45,465.75 26,866.13		
	IVIO	Council Fees	3.25	%	+		à	∠0,800.13		
N		Sub-total Delivery (M)							\$	461,659
0		PROJECT BUDGET							\$	1,288,309



		Job No.		Sheet No.		Rev.
ARUP		246965-00				
		Element	Cos	t Schedule		
Job Title	PSP 1105 Leneva - Baranduda	ef.	N/A			
Calculation	Construction Cost Estimate	lade by	[Date 19/12/2016	Chd.	

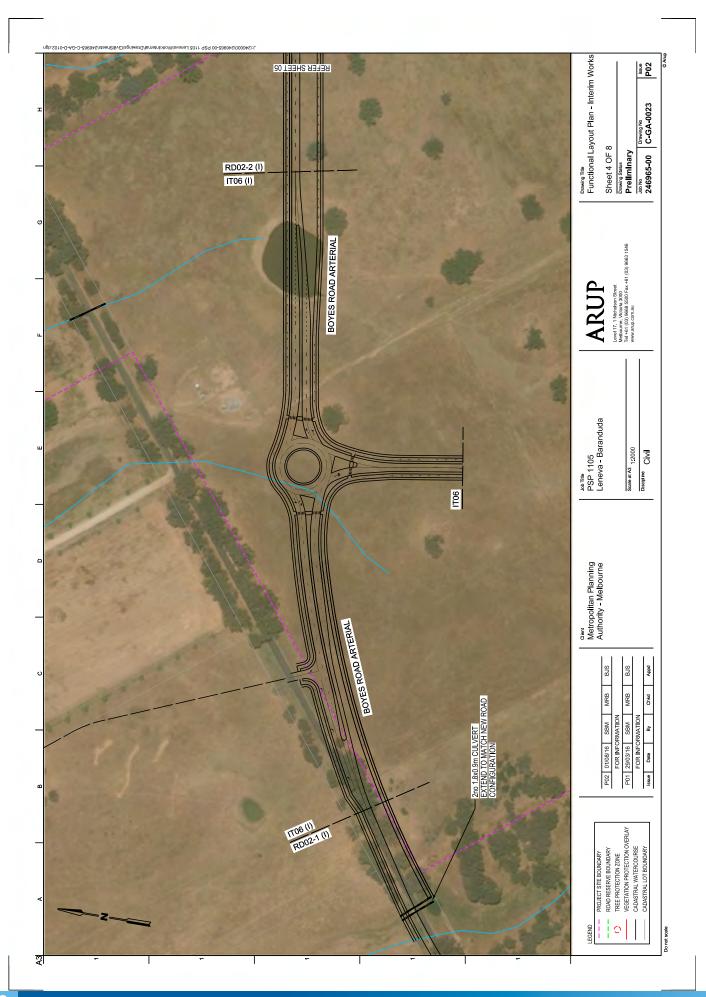
RD02-3 INTERIM Boyes Rd Arterial (IT07-900m West)

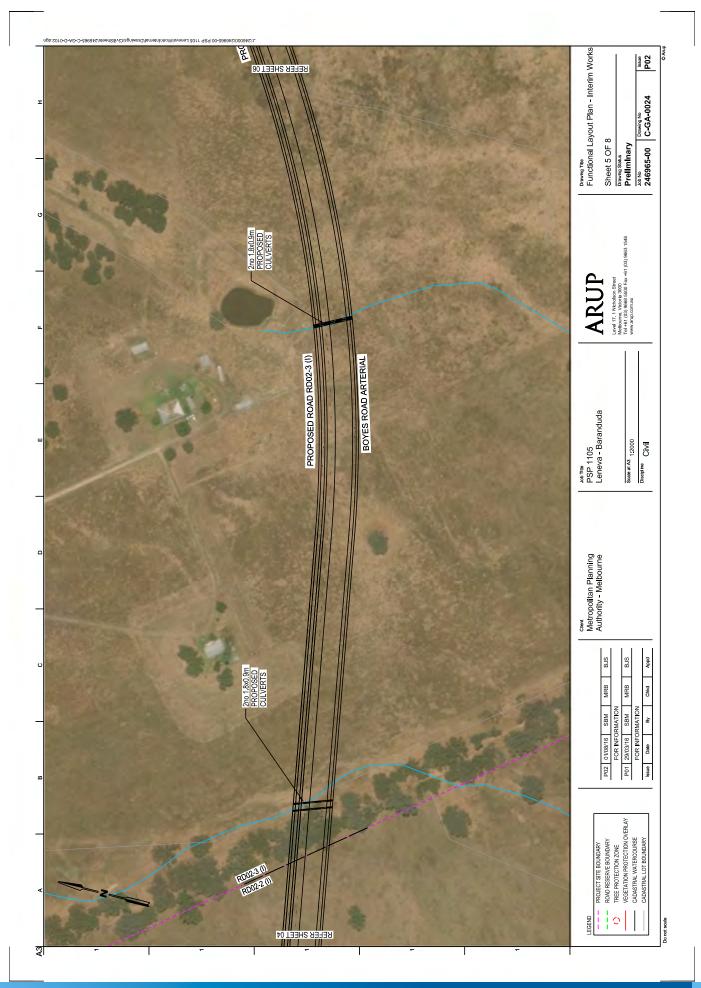
SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT	ORIGIN	NAL RATE		AMOUNT	SL	IBTOTAL
OLUTION	11 = 141	BESSKII TION	QUANTITI	ONIT	OKION	VAL NATE		AMOUNT	- 00	DICIAL
Δ		Site Clearance							\$	27,454
-	A1	General Site Clearance	13,477	m ²	\$	2.00	\$	26,954	Ψ	21,404
	A2	Trees - Girth between 300mm and 1000mm	1	No.	\$			500		
					+*		_			
В		Earthworks							\$	254,398
_	B1	Stripping site topsoil to stockpile on site (assume	13,477	m ²	\$	5.00	\$	67,385	Ť	
	- '	150mm thick)	,		l *		*	,		
	B2	Excavate to subgrade including offsite disposal	4,675	m ³	\$	30.00	\$	140,261		
	B3	Subgrade preparation, trimming and compaction	11,688	m ²	\$	4.00	\$	46,752		
С		Road Pavement							\$	629,400
	C1	New pavement	6,294	m ²	\$	100.00	\$	629,400		
D		Concrete Works							\$	728,280
	D1	SM2 type kerb	1,800	m	\$	45.00	\$	81,000		
	D2	Shared pavement	5,394	m²	\$	120.00	\$	647,280		
E		Drainage							\$	698,000
		Pipes and Box Culverts: Excavation Depth <1.5m								
	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	1,800	m	\$	300.00	\$	540,000		
	E3	RCBC 2x1800 x 900mm	22	m	\$	5,000.00		110,000		
	E4	RC Endwall (BC 2x1800 x 900mm)	2	No.	\$	6,500.00	\$	13,000		
	E5	Drainage Pit (1000x750)	10	No.	\$	3,500.00	\$	35,000		
F		Guard Fence							\$	48,000
	F1	Install new W beam guard fence, incl terminal treatment	400	m	\$	120.00	\$	48,000		
		<u> </u>						·		-
G		Signs and Linemarking							\$	14,400
	G1	Continuous/edge line	1,800	m	\$	4.00	\$	7,200	*	,
	G2	Intermittent continuity line (incl SUP)	2,700	m	\$	2.50	\$	6,750		-
	G3	RRPM's	113	No.	\$	4.00	\$	450		-
			-							
Н		Street Lighting							\$	180,000
	H1	SB pole, 6m bracket arm, 150W luminaires, electrical	18	Item	\$	10,000.00	\$	180,000	-	
		transformers and electrical works. Design and			'					
		construction by Powercor (incl design and								
		management)								
l		Utility Services (Not Used)							\$	
J		Landscaping							\$	8,945
	J1	Remove topsoil from stockile and spread 100mm	1,789	m ²	\$	5.00	\$	8,945		
		thick on road batters, swales and adjacent areas								
		disturbed by construction.		-						
<i>V</i>		Misc Works			_				\$	27,000
N.	K1	Right of way fencing - 1.2m post and wire	1,800	- m	•	15.00	\$	27,000	Þ	21,000
	K1	Right of way lending - 1.2m post and wife	1,000	m	\$	15.00	Ф	27,000		
		0.1.4.4.190.1.4.40							•	0.045.033
L		Sub-total Works (A-K)							\$	2,615,877
		D.C.								
M		Delivery								
	M1	Site Establishment	2.5	%	ļ		\$	100,000.00		
	M2	Survey/Design	10	%			\$	261,587.65		
	M3	Supervision & Project Management	5	%			\$	130,793.83		
	M4	Contingency	20	%			\$	523,175.30		
	M5	Traffic/Environmental Management	5.5	%			\$	143,873.21		
	M6	Council Fees	3.25	%			\$	85,015.99		
N		Sub-total Delivery (M)							\$	1,244,446
0		PROJECT BUDGET							s	3,860,322

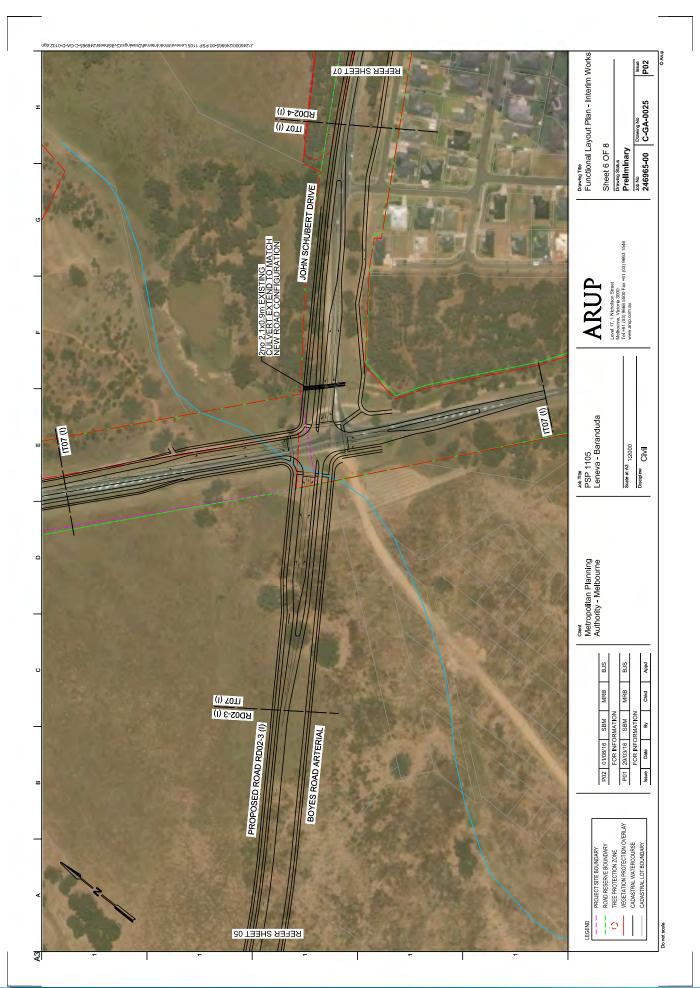
			S	heet No.	Rev.
LARUP		24696	55-00		
	.01	Element	Cost	Schedule	
Job Title	PSP 1105 Leneva - Baranduda	. Ref.	N/A		
Calculation	Construction Cost Estimate	Made by	Da	19/12/2016	Chd.

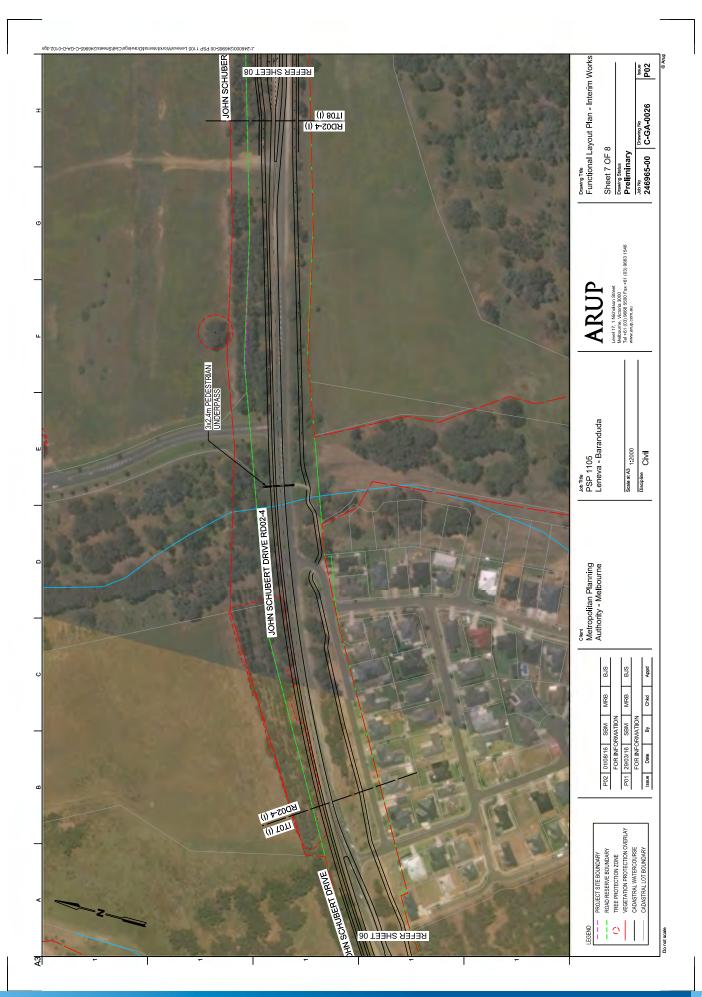
RD02-4 INTERIM Boyes Rd Arterial (IT07-IT08)

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT	ORIGINAL RATE	AMOUNT	SI	JBTOTAL
-								
Α		Site Clearance					\$	25,654
	A1	General Site Clearance	12,827	m ²	\$ 2.00	\$ 25,654		
•		E. d I .					•	224,409
В	B1	Earthworks Stripping site topsoil to stockpile on site (assume	12,827	2	\$ 5.00	\$ 64,135	Þ	224,409
	ы	150mm thick)	12,021	m ²	\$ 5.00	\$ 64,133		
	B2	Excavate to subgrade including offsite disposal	1,659	m ³	\$ 30.00	\$ 49,782		
	B3	Subgrade preparation, trimming and compaction	5,623	m ²	\$ 4.00			
	B4	Imported Type B general fill, spread and compact in	3,520	m ³	\$ 25.00			
		layers (Dam Backfill)		***				
С		Road Pavement					\$	189,759
	C1	New pavement	1,213	m ²	\$ 100.00			
	C2	Wearing Course Overlay - Asphalt - 40mm, including	4,027	m²	\$ 17.00	\$ 68,459		
•		2					•	207.110
ט	D1	Concrete Works SM2 type kerb	1,732	m	\$ 45.00	\$ 77,940	\$	607,140
	D2	Shared pavement	4,410	m ²	\$ 120.00			
	عد	Onareu pavement	4,410	- "	ψ 120.00	ψ 529,200		
F		Drainage					\$	528,488
_		Pipes and Box Culverts: Excavation Depth <1.5m					Ψ	J20,400
	1	pos and box surrons. Excavation beptil 1.5iii						
	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	1,121	m	\$ 300.00	\$ 336,388		
	E2	RCP - 450mm Class 3 RRJ (incl subsoil)	349	m	\$ 400.00			
	E3	Drainage Pit (1000x750)	15	No.	\$ 3,500.00			
				110.	ψ 0,000.00	ψ 02,000		
F		Guard Fence					\$	24,000
	F1	Install new W beam guard fence, incl terminal treatmen	200	m	\$ 120.00	\$ 24,000		,
		g-are recording to the second			,	, , , , , , , , , , , , , , , , , , , ,		
G		Signs and Linemarking					\$	11,760
	G1	Continuous/edge line	1470	m	\$ 4.00	\$ 5,880		
	G2	Intermittent continuity line (incl SUP)	2205	m	\$ 2.50	\$ 5,513		
	G3	RRPM's	92	No.	\$ 4.00	\$ 368		
Н		Street Lighting					\$	150,000
	H1	SB pole, 6m bracket arm, 150W luminaires, electrical		Item	\$ 10,000.00	\$ 150,000		
		transformers and electrical works. Design and						
		construction by Powercor (incl design and	15					
	+	management)	10					
		Utility Services						\$100,000
•	11	Provisional Sum				\$100,000		ψ100,000
	+	1 TOVISIONAL CUIT		+		\$100,000		
J		Landscaping					s	36,020
	J1	Remove topsoil from stockile and spread 100mm	7,204	m ²	\$ 5.00	\$ 36,020		33,320
	ľ	thick on road batters, swales and adjacent areas		,,,,	3.00			
	1	disturbed by construction.						
K	12.	Misc Works					\$	22,050
	K1	Right of way fencing - 1.2m post and wire	1,470	m	\$ 15.00	\$ 22,050		
	_	0.1.4.4.196.1.4.40					•	1 010 055
L		Sub-total Works (A-K)					\$	1,919,280
		Policery						
M	N44	Delivery Sta Establishment	2.5	0/		e 47.000.00		
	M1	Site Establishment	2.5	%	1	\$ 47,982.00		
	M2	Survey/Design	10	%		\$ 191,928.01		
	M3	Supervision & Project Management	5	%		\$ 95,964.01		
	M4	Contingency	20	%		\$ 383,856.03		
	M5	Traffic/Environmental Management	5.5	%		\$ 105,560.41		
	M6	Council Fees	3.25	%		\$ 62,376.60		
N	_	Sub total Delivery (M)					\$	997.667
0		Sub-total Delivery (M) PROJECT BUDGET					,	887,667
0		PROJECT BUDGET					\$	2,806,947







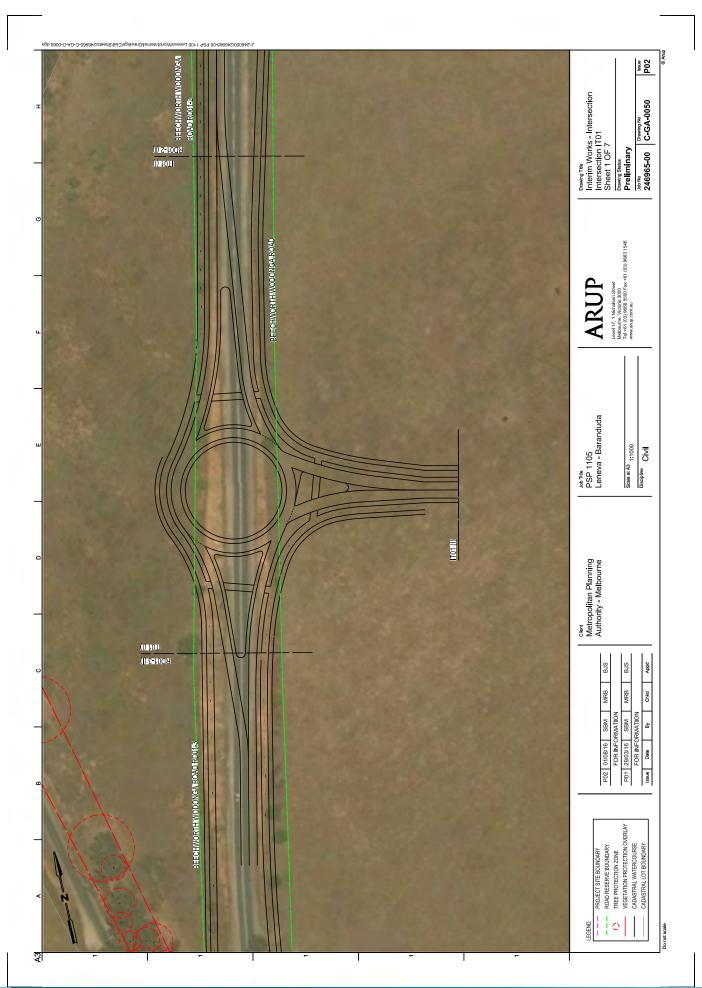




_		Job No.	Sheet No.	Rev.
LARUP I		246965-00		
' • • •	.01	Element	Cost Schedule	·
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A	
Calculation	Construction Cost Estimate	Made by	Date 19/12/2016	Chd.

IT01 INTERIM Beechworth-Wodonga Road and Connector Road T-Roundabout

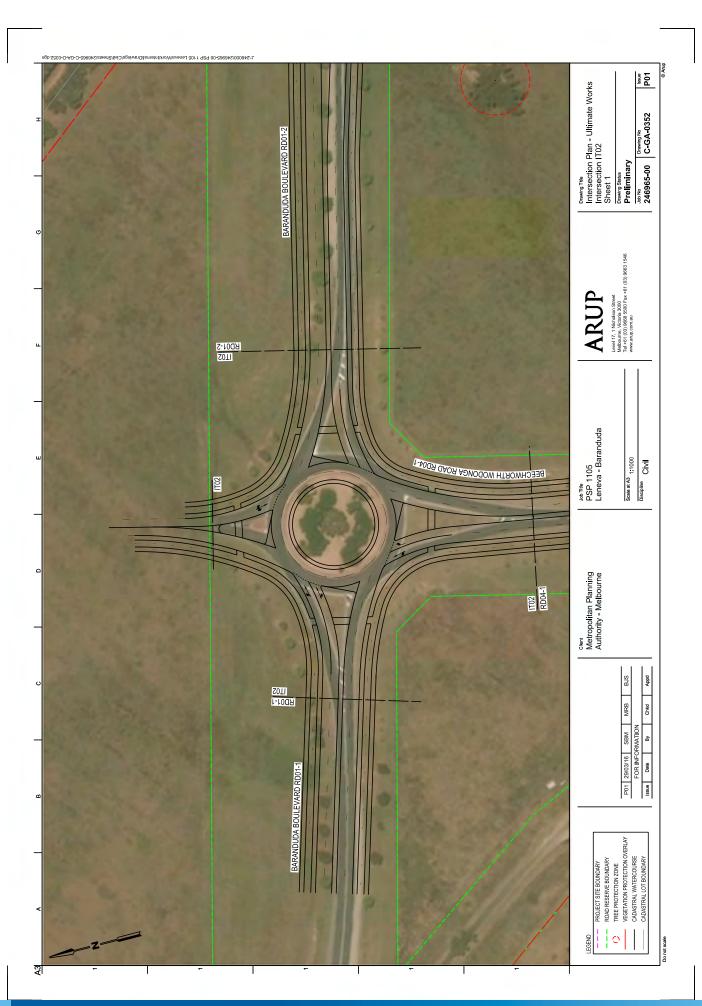
SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE	l	AMOUNT	Ş	SUBTOTAL
Α		Site Clearance							\$	18,740
	A1	General Site Clearance	9120	m ²	\$	2.00	\$	18,240		•
							⊢			
	A2	Trees - Girth between 300mm and 1000mm	1	No.	\$	500.00	\$	500		
							<u> </u>			
							—			
В		Earthworks							\$	128,806
	B1	Stripping site topsoil to stockpile on site (assume	9,120	m ²	\$	5.00	\$	45,600	1	
	D0	150mm thick)	0.407	3	•	20.00	•	04.000		
	B2 B3	Excavate to subgrade including offsite disposal Subgrade preparation, trimming and compaction	2,137 4,777	m ³	\$	30.00 4.00	\$	64,098 19,108		
	БЭ	Subgrade preparation, trimining and compaction	4,777	m ²	Þ	4.00	- Ф	19,106		
С		Road Pavements					\vdash		\$	250 270
C	C1	New pavement	3,267	m ²	\$	110.00	\$	359,370	Þ	359,370
	Ci	New pavement	3,207	m	Ψ	110.00	Ψ	339,370		
n		Concrete Works							\$	233,265
D	D1	SM2 type kerb	1,157	m	\$	45.00	\$	52,065	Ψ	233,203
	D2	Footpath/Shared User Path - 150mm concrete on	1,510	""	\$	120.00		181,200		
	D2	75mm CR base	1,510	m ²	Ψ	120.00	Ψ	101,200	1	
		Tomin on base								
E		Drainage							\$	227,500
		Pipes and Box Culverts: Excavation Depth <1.5m								
			<u> </u>	<u> </u>	<u>L</u>		L			
	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	560	m	\$	300.00	\$	168,000		
	E2	Drainage Pit (1000x750)	17	No.	\$	3,500.00		59,500		
F		Guard Fence (Not Used)							\$	-
G		Signs and Linemarking							\$	38,711
	G1	Install new signs	18	No.	\$	400.00	\$	7,200		
	G2	Zebra crossing	6	No.	\$	5,000.00	\$	30,000		
	G3	Continuous/edge line	178	m	\$	4.00	\$	712		
	G4	Give Way/STOP line	55	m	\$	4.00	\$	221		
	G5	RRPM's	145	No.	\$	4.00	\$	579		
							Ĺ			
Н		Street Lighting							\$	160,000
	H1	SB pole, 6m bracket arm, 150W luminaires, electrical	16	no	\$	10,000.00	\$	160,000	1	
		transformers and electrical works. Design and					l		1	
		construction by Powercor (incl design and					l		1	
		management)					<u> </u>			
							Ш			
l		Utility Services (Not Used)							\$	-
							Ш			
J		Landscaping							\$	21,715
	J1	Remove topsoil from stockile and spread 100mm	4,343	m ²	\$	5.00	\$	21,715	1	
	1	thick on road verges, medians and adjacent areas	1				i		i	
—	+	disturbed by construction.	<u> </u>	-	 		\vdash			
K		Misc Works							\$	8,700.00
	K1	Right of way fencing - 1.2m post and wire	580	m	\$	15.00	\$	8,700	Ψ	3,7 00.00
	+	and the state of t			+	.5.00	Ť	3,700		
L		Sub-total Works (A-K)							\$	1,196,807
		The state of the s							_	.,100,001
М		Delivery								
	M1	Site Establishment	2.5	%			\$	29,920.18		
 	M2	Survey/Design	10	%	 		\$	119,680.73		
—	M3	Supervision & Project Management	5	%	 		\$	59,840.37		
	M4	Contingency	20	%	1		\$	239,361.46		
	M5	Traffic/Environmental Management	5.5	%	1		\$	65,824.40		
	M6	Council Fees	3.25	%	1		\$	38,896.24		
—	M7	VicRoads Fees	1	%	 		\$	11,968.07		
—	1	1.0.100.001		/0	 		Ť	11,500.01		
				Ļ						
N		Sub-total Delivery (M)							\$	565,491



_			Sheet No.	Rev.
ARUP		246965-00		
,		Element	Cost Schedule	·
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A	
Calculation	Construction Cost Estimate	Made by	Date 19/12/201	Chd.

IT02 INTERIM Beechworth-Wodonga Road and Baranduda Boulevard Roundabout

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE		AMOUNT		SUBTOTAL
Α		Site Clearance							\$	12,446
	A1	General Site Clearance	6,223	m ²	\$	2.00	\$	12,446		
В		Earthworks							\$	46,703
	B1	Stripping site topsoil to stockpile on site (assume	6,223	m ²	\$	5.00	\$	31,115		
	B2	150mm thick) Excavate to subgrade including offsite disposal	326	m ³	\$	30.00	\$	9,788		
	B3	Subgrade preparation, trimming and compaction	1,450	m ²	\$	4.00		5,800		
	100	Cabgrade preparation, amining and compaction	1,400	- "	Ψ_	4.00	Ψ_	0,000		
С		Road Pavements							\$	53,108
	C7	Wearing Course Overlay - Asphalt - 40mm, including	3,124	m ²	\$	17.00	\$	53,108		•
D		Concrete Works							\$	182,325
	D1	SM2 type kerb	185	m	\$	45.00	\$	8,325		
	D2	Footpath/Shared User Path - 150mm concrete on	1,450	m ²	\$	120.00	\$	174,000		
		75mm CR base		- ""						
E		Drainage							\$	208,900
_		Pipes and Box Culverts: Excavation Depth <1.5m							-	
	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	428	m	\$	300.00	_	128,400		
	E2	Drainage Pit (1000x750)	23	No.	\$	3,500.00	\$	80,500		
F		Guard Fence (Not Used)							\$	-
G		Ciana and Linemarking							•	E0 040
G	G1	Signs and Linemarking Install new signs	24	No.	\$	400.00	•	9,600	\$	50,949
	G2	Zebra crossing	8	No.	\$	5,000.00		40,000		
	G3	Continuous/edge line	246	m	\$	4.00		984		
	G4	Give Way/STOP line	68	m	\$	4.00	\$	272		
	G5	RRPM's	23	No.	\$	4.00	\$	93		
		Tut Wo	20	110.	Ψ_	4.00	Ψ_			
Н		Street Lighting							\$	200,000
	H1	SB pole, 6m bracket arm, 150W luminaires, electrical transformers and electrical works. Design and construction by Powercor (incl design and management)	20	no	\$	10,000.00	\$	200,000		
		Utility Services (Not Used)							\$	-
		Landsoning							\$	22.005
J	J1	Remove topsoil from stockile and spread 100mm	4,773	m ²	\$	5.00	0	23,865	Þ	23,865
	01	thick on road verges, medians and adjacent areas disturbed by construction.	4,775	m	ļ	3.00	Ψ	20,000		
K		Misc Works							\$	6,750.00
14	K1	Right of way fencing - 1.2m post and wire	450	m	\$	15.00	\$	6,750	Ψ	0,750.00
	1111	ragin of way tenoning 1.2m post and wire	400		Ψ	10.00	Ψ	0,700		
L		Sub-total Works (A-K)							\$	785,045
		our total from (First							_	700,010
М		Delivery								
	M1	Site Establishment	2.5	%			\$	19,626.13		
	M2	Survey/Design	10	%			\$	78,504.50		
	M3	Supervision & Project Management	5	%			\$	39,252.25		
	M4	Contingency	20	%			\$	157,009.00		
	M5	Traffic/Environmental Management	5.5	%			\$	43,177.48		
	M6	Council Fees	3.25	%	L		\$	25,513.96		
	M7	VicRoads Fees	1	%			\$	7,850.45		
N		Sub-total Delivery (M)							\$	370,934
0		PROJECT BUDGET							\$	1,155,979



_				Sheet No.	Rev.	
ARUP		246965-00				
		Element	Co	st Schedule		
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A	Ą		
Calculation	Construction Cost Estimate	Made by		Date 19/12/2016	Chd.	

IT03 Baranduda Boulevard and Frederick Street Road T-Intersection

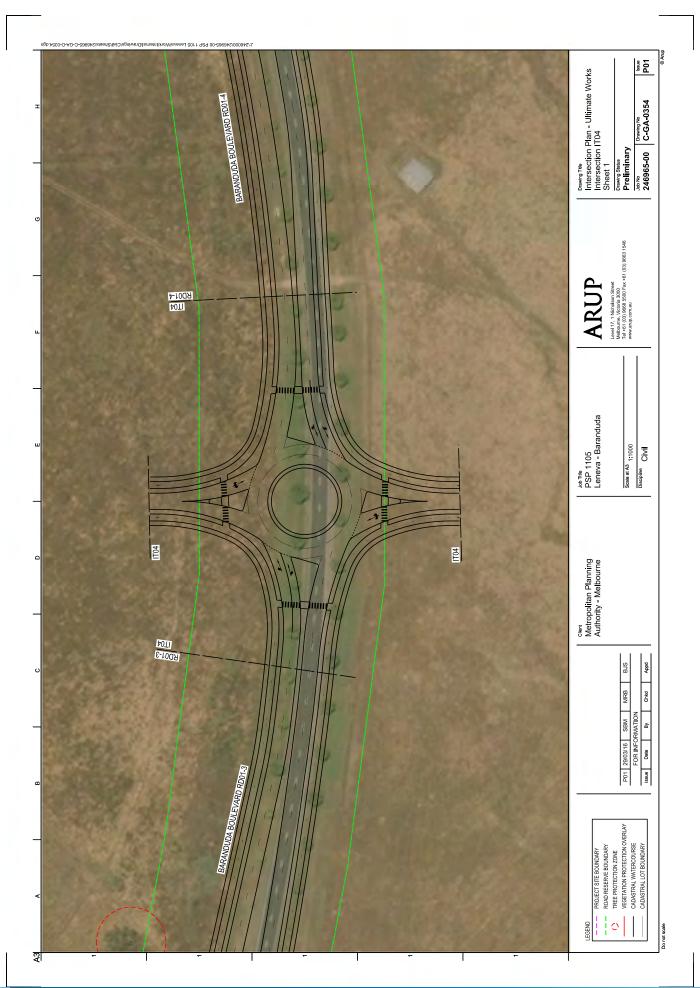
	A1	Site Clearance								
	A1	Site Clearance							•	29,700
		General Site Clearance	11350	m ²	\$	2.00	\$	22,700	P	29,700
1 1.										
——————————————————————————————————————	A2	Trees - Girth between 300mm and 1000mm	14	No.	\$	500.00	\$	7,000		
		Fauthorisa							•	211,708
В	B1	Earthworks Stripping site topsoil to stockpile on site (assume	11,350	m ²	\$	5.00	\$	56,750	>	211,708
i l'		150mm thick)	11,000	III	Ψ	0.00	ľ	50,750		
	B2	Excavate to subgrade including offsite disposal	4,022	m ³	\$	30.00	\$	120,674		
	B3	Subgrade preparation, trimming and compaction	8,571	m ²	\$	4.00	\$	34,284		
C	C1	Road Pavements New pavement	6,443	2	\$	110.00	\$	708,730	\$	708,730
 	CI	ivew pavement	0,443	m ²	Ψ	110.00	, a	700,730		
D		Concrete Works							\$	325,380
i i	D1	SM2 type kerb	1,556	m	\$	45.00	\$	70,020		,
i i	D2	Footpath/Shared User Path - 150mm concrete on	2,128	2	\$	120.00	\$	255,360		
 		75mm CR base		m ²	<u> </u>					
_		Drainage							•	351.500
_		Pipes and Box Culverts: Excavation Depth <1.5m							ð	351,500
		- PTT IIII ION GUITOITOI INGENITATION SOPIII STORII					i		İ	
	E2	RCP - 375mm Class 3 RRJ (incl subsoil)	880	m	\$	300.00	\$	264,000		
	E17	Drainage Pit (1000x750)	25	No.	\$	3,500.00	\$	87,500		
F		Guard Fence (Not Used)							\$	
<u> </u>		Ciana and Linemarking							•	447 405
G	G1	Signs and Linemarking Install new signs	10	No.	\$	400.00	\$	4,000	Þ	417,425
	G2	Traffic signal intersection - 3 way, including	1	110.	\$	400,000.00	\$	400,000		
		controller and associated pits and cabling	,	No.	,		Ĺ	,		
	G3	Zebra crossing	1	No.	\$	5,000.00	\$	5,000		
	G4	Continuous/edge line	1,556	m	\$	4.00	\$	6,224		
	G5	Intermittent continuity line	739	m	\$	2.50	\$	1,848		
	G6	Intermittent lane line	20	m	\$	2.00	\$	40		
	G7 G8	Give Way/STOP line RRPM's	25 54	m No.	\$	4.00	\$	98 215		
 	Go	RRPINIS	54	INU.	Þ	4.00	Ф	215		
н		Street Lighting							\$	200,000
ľ	H1	SB pole, 6m bracket arm, 150W luminaires,	20	no	\$	10,000.00	\$	200,000		,
İ		electrical transformers and electrical works. Design								
İ		and construction by Powercor (incl design and								
		management)								
1		Utility Services (Not Used)							\$	-
		Landessuine							•	40.00
J	J1	Landscaping Remove topsoil from stockile and spread 100mm	2,779	m ²	\$	5.00	\$	13,895	\$	13,895
i l'	JI	thick on road verges, medians and adjacent areas	2,779	m	Ψ	5.00	Ψ	13,093		
		disturbed by construction.								
K		Misc Works	000			45		10.5	\$	13,500.00
	K1	Right of way fencing - 1.2m post and wire	900	m	\$	15.00	\$	13,500		
		Sub-total Works (A-K)							\$	2,271,837
_		Sub-total WORKS (A-N)							ð	2,211,831
М		Delivery								
	M1	Site Establishment	2.5	%			\$	56,795.93		
	M2	Survey/Design	10	%			\$	227,183.70		
	M3	Supervision & Project Management	5	%			\$	113,591.85		
	M4	Contingency	20	%			\$	454,367.40		
	M5	Traffic/Environmental Management	5.5	%			\$	124,951.04		
				0/			\$	70 004 70	. –	
	M6	Council Fees	3.25	%	-		Ф	73,834.70		
		Council Fees Sub-total Delivery (M)	3.25	%			ð	73,834.70	\$	1,050,725



			Sheet No.	Rev.
LARUP I		246965-00		
' " " '	.01	Element	Cost Schedule	·
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A	
Calculation	Construction Cost Estimate	Made by	Date 19/12/2016	Chd.

IT04 Baranduda Boulevard and Connector Roundabout 4-way

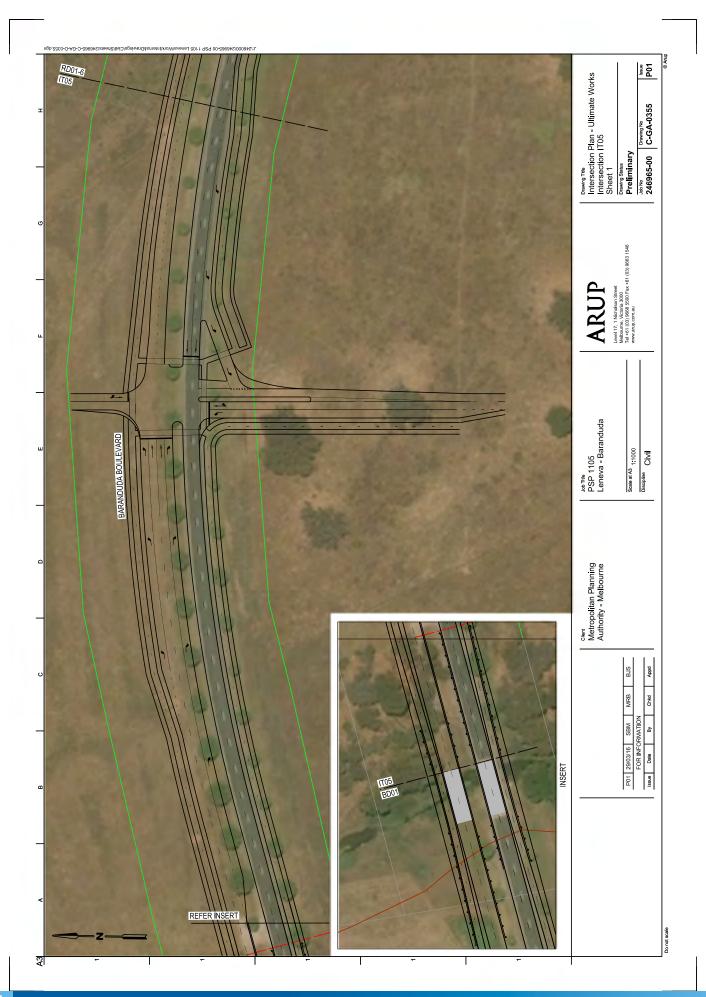
SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE		AMOUNT	**	SUBTOTAL
Α		Site Clearance							\$	20,622
	A1	General Site Clearance	6811	m ²	\$	2.00	\$	13,622		
	A2	Trees - Girth between 300mm and 1000mm	14	No.	\$	500.00	\$	7,000		
В		Earthworks							\$	134,907
	B1	Stripping site topsoil to stockpile on site (assume	6,811	m ²	\$	5.00	\$	34,055		
		150mm thick)								
	B2	Excavate to subgrade including offsite disposal	2,616	m ³	\$	30.00	\$	78,476		
	B3	Subgrade preparation, trimming and compaction	5,594	m ²	\$	4.00	\$	22,376		
С		Road Pavements							\$	459,360
	C1	New pavement	4,176	m ²	\$	110.00	\$	459,360		
_		2							•	
D		Concrete Works							\$	220,740
	D1	SM2 type kerb	1124	m	\$	45.00		50,580		
	D2	Footpath/Shared User Path - 150mm concrete on	1418	m²	\$	120.00	\$	170,160		
		75mm CR base		111						
E		Drainage							\$	177,800
_		Drainage Pipes and Box Culverts: Excavation Depth <1.5m							Ψ	111,000
		Pripes and Box Guiverts. Excavation Depth <1.5m								
-	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	406	m	\$	300.00	\$	121,800		
	E2	Drainage Pit (1000x750)	16	No.	\$	3,500.00		56,000		
		Dramage Fit (1000x700)	10	110.	Ψ	0,000.00	Ψ	00,000		
F		Guard Fence (Not Used)							\$	
•		Caura i crice (Not essa)							Ψ	<u> </u>
G		Signs and Linemarking							\$	57,433
•	G1	Install new signs	24	No.	\$	400.00	\$	9,600	Ψ	01,400
	G2	Zebra crossing	8	No.	\$	5,000.00	\$	40,000		
	G3	Continuous/edge line	1124	m	\$	4.00	\$	4,496		
	G4	Intermittent continuity line	318	m	\$	2.50	_	795		
	G5	Intermittent lane line	837	m	\$	2.00	\$	1,674		
	G6	Give Way/STOP line	76	m	\$	4.00	\$	304		
	G7	RRPM's	141	No.	\$	4.00	\$	564		
	07	TITE WIS	171	140.	Ψ	4.00	Ψ	304		
н		Street Lighting							\$	230,000
••	H1	SB pole, 6m bracket arm, 150W luminaires, electrical	23	no	\$	10,000.00	\$	230,000	Ψ	200,000
		transformers and electrical works. Design and			_	10,000.00	Ψ	200,000		
		construction by Powercor (incl design and								
		management)								
		,								
		Utility Services							\$	
•		Othity Services							Ψ	-
		Landscaping							\$	6,085
3	J1	Remove topsoil from stockile and spread 100mm	1,217	m ²	\$	5.00	\$	6,085	Ψ	0,003
	01	thick on road verges, medians and adjacent areas	1,217	m	Ψ	3.00	Ψ	0,000		
		disturbed by construction.								
K		Misc Works							\$	6,450.00
	K1	Right of way fencing - 1.2m post and wire	430	m	\$	15.00	\$	6,450		
								-		
L		Sub-total Works (A-K)							\$	1,313,397
М		Delivery								
	M1	Site Establishment	2.5	%			\$	32,834.91		
	M2	Survey/Design	10	%			\$	131,339.65		
	МЗ	Supervision & Project Management	5	%			\$	65,669.83		
	M4	Contingency	20	%			\$	262,679.30		
	M5	Traffic/Environmental Management	5.5	%			\$	72,236.81		
	M6	Council Fees	3.25	%			\$	42,685.39		
N		Sub-total Delivery (M)							\$	607,446
0		PROJECT BUDGET							\$	1,920,842



			Sheet No.	Rev.
ARUP		246965-00		
,		Element	Cost Schedule	·
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A	
Calculation	Construction Cost Estimate	Made by	Date 19/12/20	O16 Chd.

IT05 Baranduda Boulevard and Connector Signalised Intersection

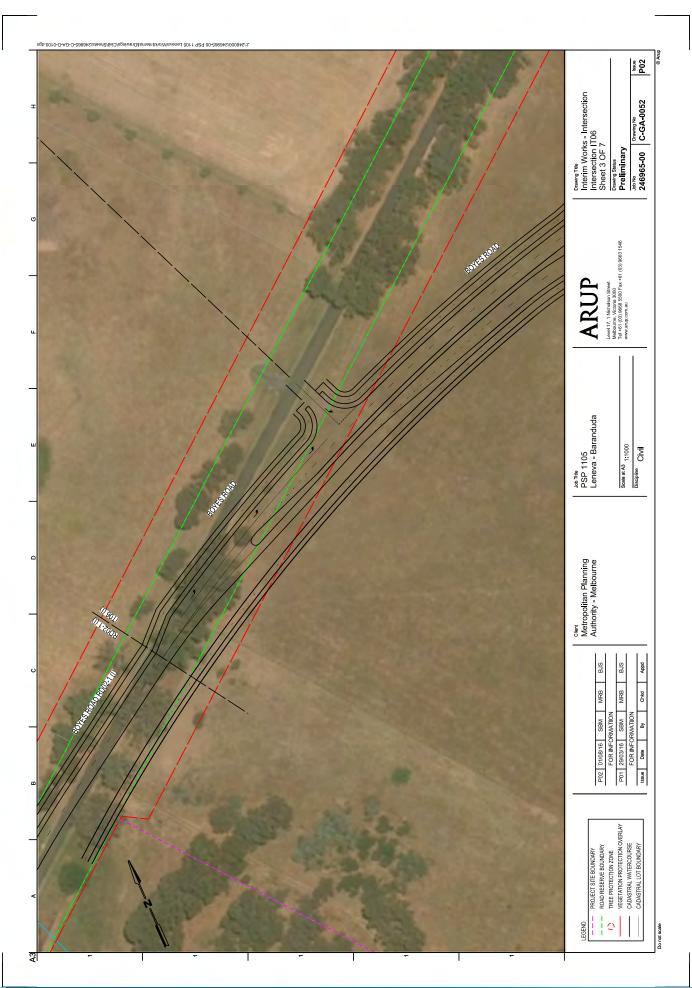
SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE		AMOUNT	S	UBTOTAL
•										22.222
Α	A1	Site Clearance General Site Clearance	15614	2	\$	2.00	\$	31,228	\$	36,228
	AI	General Site Clearance	15014	m²	φ	2.00	Ф	31,226		
	A2	Trees - Girth between 300mm and 1000mm	10	No.	\$	500.00	\$	5,000		
В		Earthworks	15011	2					\$	231,497
	B1	Stripping site topsoil to stockpile on site (assume 150mm thick)	15,614	m ²	\$	5.00	\$	78,070		
	B2	Excavate to subgrade including offsite disposal	3,925	m ³	\$	30.00	\$	117,739		
	B3	Subgrade preparation, trimming and compaction	8,922	m ²	\$	4.00	\$	35,688		
С		Road Pavements							\$	648,890
	C1	New pavement	5,899	m ²	\$	110.00	\$	648,890		
		0 1 1 1							•	445.000
D	D1	Concrete Works SM2 type kerb	1846	m	\$	45.00	\$	83,070	\$	445,830
	D2	Footpath/Shared User Path - 150mm concrete on	3023	111	\$	120.00	\$	362,760		
	DZ	75mm CR base	3023	m ²	Ψ	120.00	Ψ	302,700		
E		Drainage							\$	369,200
		Pipes and Box Culverts: Excavation Depth <1.5m			1					
-	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	1,000	m	•	300.00	•	302,700		
	E2	Drainage Pit (1000x750)	1,009 19	m No.	\$	3,500.00	\$	66,500		
	LZ	Drainage Fit (1000x130)	19	INO.	Ψ	3,300.00	Ψ	00,000		
F		Guard Fence (Not Used)							\$	-
G		Signs and Linemarking							\$	411,598
	G1	Install new signs	10	No.	\$	400.00	\$	4,000		
	G2	Traffic signal intersection - 3 way, including controller	1	No.	\$	400,000.00	\$	400,000		
	G3	Continuous/edge line	1009	m	\$	4.00	\$	4,036		
	G4	Intermittent continuity line	836	m	\$	2.50	\$	2,090		
	G5	Intermittent lane line	462	m	\$	2.00	\$	924		
	G6	Give Way/STOP line	33	m	\$	4.00	\$	132		
	G7	RRPM's	104	No.	\$	4.00	\$	416		
ш		Street Lighting							\$	300,000
Н	H1	SB pole, 6m bracket arm, 150W luminaires, electrical	30	no	\$	10,000.00	\$	300,000	Þ	300,000
		transformers and electrical works. Design and	30	110	Ψ	10,000.00	Ψ	300,000		
		construction by Powercor (incl design and								
		management)								
	H2	Meter cabinet	Incl	no	\$			-		
		motor capital		1.0	Ť					
I		Utility Services (Not Used)							\$	-
		, ,								
J		Landscaping							\$	33,460
	J1	Remove topsoil from stockile and spread 100mm	6,692	m ²	\$	5.00	\$	33,460		
		thick on road verges, medians and adjacent areas								
	+	disturbed by construction.			1					
K		Misc Works							\$	15,450.00
	K1	Right of way fencing - 1.2m post and wire	1,030	m	\$	15.00	\$	15,450		
	1	5	,,,,,,		Ť			, 30		
L		Sub-total Works (A-K)							\$	2,492,152
M		Delivery								
	M1	Site Establishment	2.5	%			\$	62,303.81		
	M2	Survey/Design	10	%	1		\$	249,215.23		
	M3	Supervision & Project Management	5	%			\$	124,607.61		
	M4	Contingency	20	%	1		\$	498,430.45		
	M5	Traffic/Environmental Management Council Fees	5.5	%	1		\$	137,068.37		
-	M6	Council Fees	3.25	%	1		\$	80,994.95		
N		Sub-total Delivery (M)							\$	1,152,620
0		PROJECT BUDGET							\$	3,644,773
		TROOLOT DODOLT							Ψ	3,044,773

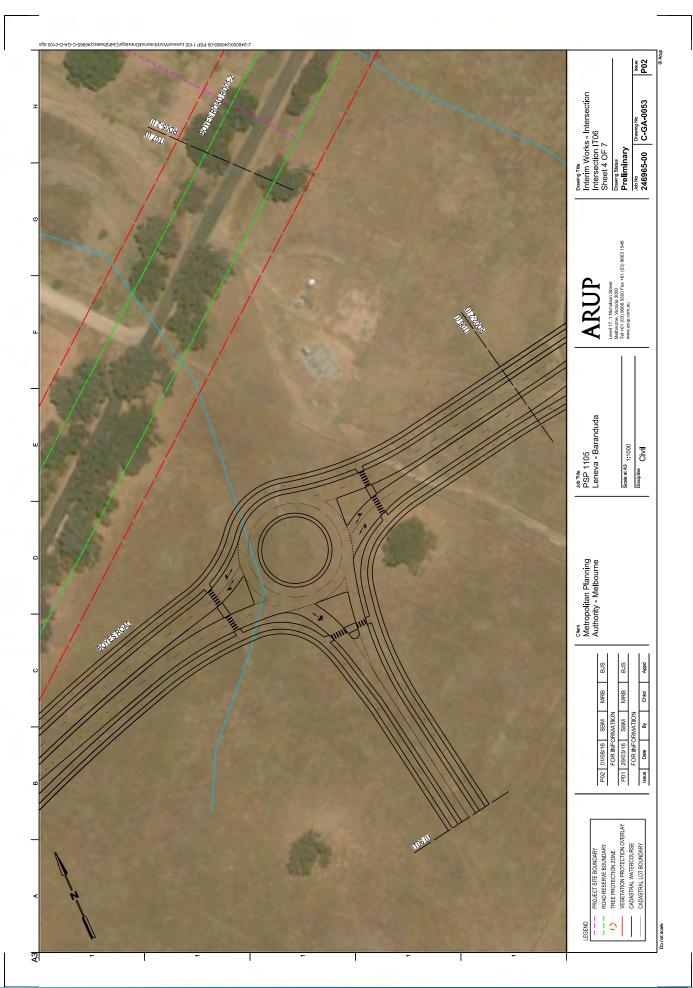


			Sheet No.	Rev.			
LARUP		246965-00					
" " "	· ·	Element	Element Cost Schedule				
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A				
Calculation	Construction Cost Estimate	Made by	Date 19/12/2016	Chd.			

IT06 INTERIM Boyes Road Arterial and Boyes Road Connector Roundabout 4-way

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE		AMOUNT	S	UBTOTAL
Α		Site Clearance	10.110		_				\$	30,332
	A1	General Site Clearance	13,416	m ²	\$	2.00	\$	26,832		
	A2	Trees - Girth between 300mm and 1000mm	7	No.	\$	500.00	\$	3,500		
D		Fauthoria							•	202 700
В	B1	Earthworks Stripping site topsoil to stockpile on site (assume	13,416	m ²	\$	5.00	\$	67,080	Þ	263,789
	J.	150mm thick)	10,410	III	Ψ	0.00	Ψ	07,000		
	B2	Excavate to subgrade including offsite disposal	5,072	m ³	\$	30.00	\$	152,161		
	B3	Subgrade preparation, trimming and compaction	11,137	m ²	\$	4.00	\$	44,548		
С		Road Pavements							\$	877,145
	C1	New pavement	7,896	m ²	\$	110.00	\$	868,560		011,140
	C2	Wearing Course- Asphalt Overlay - 40mm	505	m ²	\$	17.00		8,585		
D		Concrete Works							\$	523,065
	D1	SM2 type kerb	2981	m	\$	45.00	\$	134,145		
	D2	Footpath/Shared User Path - 150mm concrete on	3,241	m ²	\$	120.00	\$	388,920		
	-	75mm CR base			1		-			
E		Drainage							\$	525,600
	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	1,472	m	\$	300.00	\$	441,600		
	E2	Drainage Pit (1000x750)	24	No.	\$	3,500.00	\$	84,000		•
F		Guard Fence (Not Used)							\$	-
•		Ciana and Linementina							•	CF 200
G	G1	Signs and Linemarking Install new signs	24	No.	\$	400.00	2	9,600	Þ	65,369
	G2	Zebra crossing	8	No.	\$	5,000.00	_	40,000		
	G4	Continuous/edge line	2146	m	\$	4.00		8,584		
	G6	Intermittent lane line (incl SUP)	2327	m	\$	2.00	_	4,654		
	G7	Give Way/STOP line	81	m	\$	4.00	\$	324		
	G8	Lane arrows	11	No.	\$	65.00	\$	715		
	G9	RRPM's	373	No.	\$	4.00	\$	1,492		
		Ctured Limbaine							*	300,000
П	H1	Street Lighting SB pole, 6m bracket arm, 150W luminaires, electrical	30	no	\$	10,000.00	Φ.	300,000	Þ	300,000
		transformers and electrical works. Design and	30	110	۳	10,000.00	Ψ	300,000		
		construction by Powercor (incl design and								
		management)								
	H2	Meter cabinet	Incl	no	\$	_		-		
					Ť					
ı		Utility Services (Not Used)							\$	-
J		Landscaping							\$	8,870
	J1	Remove topsoil from stockile and spread 100mm	1,774	m ²	\$	5.00	\$	8,870		
		thick on road verges, medians and adjacent areas disturbed by construction.								
		disturbed by construction.								
K		Misc Works							\$	19,950.00
	K1	Right of way fencing - 1.2m post and wire	1330	m	\$	15.00	\$	19,950		
L		Sub-total Works (A-K)							\$	2,614,120
M		Delivery								
IAI		Delivery								
—	M1	Site Establishment	2.5	%	 		\$	65,352.99		
	M2	Survey/Design	10	%	1		\$	261,411.98		
	M3	Supervision & Project Management	5	%	1		\$	130,705.99		
	M4	Contingency	20	%	1		\$	522,823.95		
	M5	Traffic/Environmental Management	5.5	%			\$	143,776.59		
	M6	Council Fees	3.25	%			\$	84,958.89		
	M7	VicRoads Fees	1	%			\$	26,141.20		
					_					
N		Sub-total Delivery (M)							\$	1,235,172
0		PROJECT BUDGET							\$	3,849,291





ΛR		Job No. 246965-0	Sheet 00	No.	Rev.			
	Element Cost Schedule							
Job Title	PSP 1105 Leneva - Baranduda)rg. Ref.						
Calculation	Construction Cost Estimate	Made by	Date	19/12/201 6 h	ıd.			

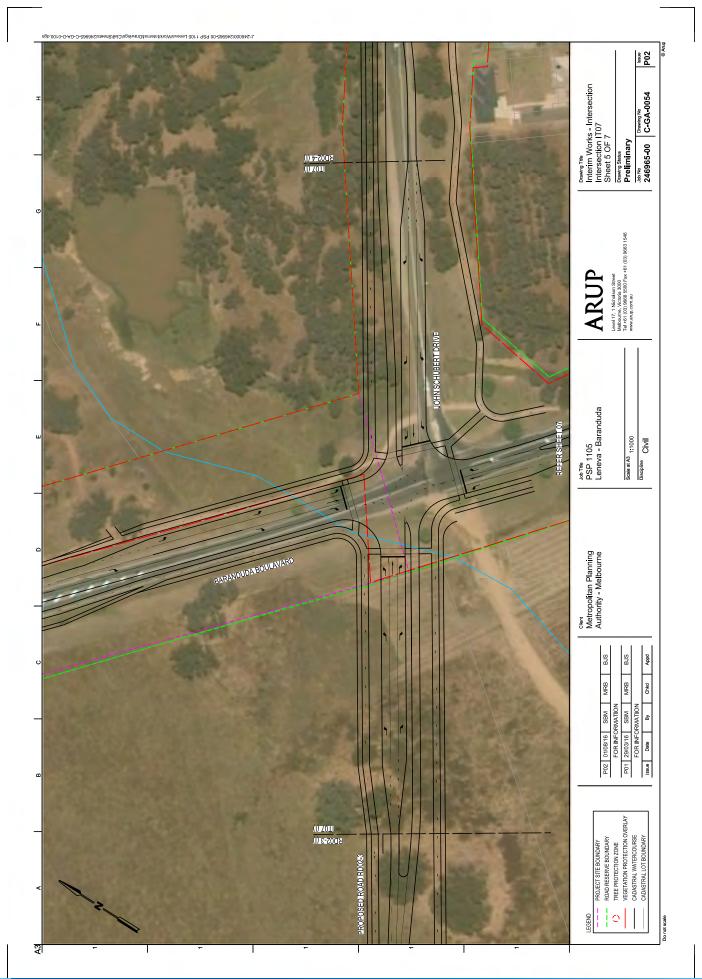
IT07 INTERIM Baranduda Boulevard and John Schubert Drive 4-way Intersection

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE		AMOUNT		SUBTOTAL
Δ		Site Clearance							•	26,234
	A1	General Site Clearance	12,067	m ²	\$	2.00	\$	24,134	•	20,234
	40	T Cidb b-b 200 4000		NI-		F00.00		4.500		
	A2 A3	Trees - Girth between 300mm and 1000mm	3 6	No.	\$	500.00	\$	1,500 600		
	A3	Take up and dispose of existing sign assemblies	0	No.	ð	100.00	\$	600		
В		Earthworks							\$	162,567
_	B1	Stripping site topsoil to stockpile on site (assume	12,067	m ²	\$	5.00	s	60,335	7	102,001
		150mm thick)	12,007	""	Ť	0.00	,	00,000		
	B2	Excavate to subgrade including offsite disposal	2,657	m ³	\$	30.00	\$	79,716		
	B3	Subgrade preparation, trimming and compaction	5,629	m ²	\$	4.00	\$	22,516		
С		Road Pavements							\$	538,520
	C1	New pavement	4,279	m ²	\$	110.00	\$	470,690		
	C2	Wearing Course Overlay - Asphalt - 40mm, including	3,990	m ²	\$	17.00	\$	67,830		
D		Concrete Works							\$	252,000
	D1	SM2 type kerb	2000	m	\$	45.00		90,000		
	D2	Footpath/Shared User Path - 150mm concrete on	1,350	m²	\$	120.00	\$	162,000		
-		75mm CR base		- 111	+					
_		Drainage							¢	519,900
		Pipes and Box Culverts: Excavation Depth <1.5m							Þ	519,900
	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	1,058	m	\$	300.00	\$	317,400		
	E2	RCBC 2x2100 x 900mm	22	m	\$	4,500.00		99,000		
	E3	RC Endwall (BC 2x2100 x 900mm)	1	No.	\$	5,000.00	\$	5,000		
	E4	Drainage Pit (1000x750)	27	No.	\$	3,500.00		94,500		
	E5	Stone beaching (Allow 4x5=20m2 avg per new endwall)	40	m ²	\$	100.00	\$	4,000		
-		0. 15			_				•	
F	F1	Guard Fence	200			140.00	•	20.000	\$	28,000.00
	FI	Install new W beam guard fence, incl terminal treatments	200	m	\$	140.00	\$	28,000		
G		Signs and Linemarking							\$	517,465
_	G1	Install new signs	16	No.	\$	400.00	s	6.400	_	,
	G2	Traffic signal intersection - 4 way, including controller and associated pits and cabling	1	No.	\$	500,000.00	\$	500,000		
	G3	Continuous/edge line	1263	m	\$	4.00	\$	5,052		
	G4	Intermittent continuity line	1137	m	\$	2.50		2,843		
	G5	Intermittent lane line	244	m	\$	2.00		488		
	G6 G7	Give Way/STOP line	50	m	\$	4.00		200		
-	G8	Lane arrows RRPM's	26 198	No.	\$	65.00 4.00		1,690 792		
-	G8	RRPMS	198	NO.	3	4.00	ð	792		
н		Street Lighting							4	330,000
	H1	SB pole, 6m bracket arm, 150W luminaires, electrical transformers and electrical works. Design and construction by Powercor (incl design and management)	33	no	\$	10,000.00	\$	330,000	,	
	H2	Meter cabinet	Incl	no	\$	-		-		
	L_				L					
		Utility Services							\$	200,000.00
	11	Provisional Sum					\$	200,000		
					_					
J	14	Landscaping	0.400	^			•	20.45-	\$	32,190
	J1	Remove topsoil from stockile and spread 100mm thick on road verges, medians and adjacent areas disturbed by construction	6,438	m ²	\$	5.00	\$	32,190		
					$oldsymbol{oldsymbol{oldsymbol{eta}}}$					
K	144	Misc Works	40						\$	16,200.00
	K1	Right of way fencing - 1.2m post and wire	1080	m	\$	15.00	\$	16,200		
L		PROJECT COST (TOTAL A - K)			-				\$	2,623,076
		D-II			_				S	4 000 400 47
n/l		Delivery							ð	1,239,403.17
-	M1	Site Establishment	2.5	%	1		\$	65,576.89	-	
-	M2	Survey/Design	10	%	1		\$	262,307.55	-	
-	M3	Supervision & Project Management	5	%	1		\$	131,153.78	-	
—	M4	Contingency	20	%	\vdash		\$	524,615.10		
——	M5	Traffic/Environmental Management	5.5	%	1		\$	144,269.15		
	M6	Council Fees	3.25	%	1		\$	85,249.95		
	M7	VicRoads Fees	1	%	1		\$	26,230.76		
			·				Ė	.,		
N		Delivery							\$	1,239,403
0		PROJECT BUDGET							\$	3,862,479

		Job No.	S	heet No.	Rev.					
TARUP		246965-00								
		Element Cost Schedule								
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A							
Calculation	Construction Cost Estimate	Made by	Da	te 19/12/2016	Chd.					

IT08 INTERIM Boyes Road and Kiewa Valley Highway Signalised Intersection

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE		AMOUNT	SI	JBTOTAL
							Щ.			
Α		Site Clearance							\$	30,686
	A1	General Site Clearance	13,943	m ²	\$	2.00	\$	27,886	i	
	A2	Trees - Girth between 300mm and 1000mm	4	NI-	•	500.00	-	2.000		
	A2 A3	Take up and dispose of existing sign assemblies	4 8	No.	\$	500.00 100.00	\$	2,000 800		
	AS	Take up and dispose of existing sign assemblies	0	INO.	φ	100.00	Þ	600	İ	
							Ь		<u> </u>	
									_	
В		Earthworks							\$	200,696
	B1	Stripping site topsoil to stockpile on site (assume 150mm thick)	13,943	m ²	\$	5.00	\$	69,715	İ	
	B2	Excavate to subgrade including offsite disposal	3,321	m ³	\$	30.00	s	99,629		
	B3	Subgrade preparation, trimming and compaction	7,838		\$	4.00	\$	31,352	-	
	ы	Subgrade preparation, trimming and compaction	1,030	m ²	ą	4.00	ð	31,332	-	
•		Road Pavements					_		•	614,636
C	C1		4,792	2	\$	110.00	\$	527,120	ð	614,636
	CI	New pavement	4,732	m ²	Ψ	110.00	Ψ	327,120		
	C2	Wearing Course Overlay - Asphalt - 40mm, including	5,148	m²	\$	17.00	\$	87,516	-	
	02	Wearing Course Overlay - Aspirant - 40mm, including	3,140	- 111	Ÿ	17.00	٩	07,510		
n		Concrete Works							s	510,555
D	D1	SM2 type kerb	3223		s	45.00	\$	145,035	ð	510,555
	וט	Siviz type kerb	3223	m	ą	45.00	φ	145,035	-	
	D2	Footpath/Charad Llass Dath 450	2.040		6	400.00	6	205 500	 	
	D2	Footpath/Shared User Path - 150mm concrete on 75mm CR base	3,046	m²	\$	120.00	\$	365,520	ĺ	
	 	TOTAL DISC	 	- 111			\vdash		 	
F		Drainage							s	524,600
		Pipes and Box Culverts: Excavation Depth <1.5m							•	324,000
	1	i ipes unu dox Guiveris. Excavation deptil <1.5m	1		1		1		ĺ	
	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	1,352	m	\$	300.00	\$	405,600	†	
	E2	Drainage Pit (1000x750)	34	No.	\$	3,500.00	\$	119,000		
		Drainage Fit (1000x750)		140.	Ψ	0,000.00	Ψ	110,000	-	
F		Guard Fence (Not Used)							•	-
•		Guara i elice (Not osca)					_			
G		Signs and Linemarking							•	526,880
G	G1	Install new signs	16	No.	\$	400.00	s	6,400	*	320,000
	G2	Traffic signal intersection - 4 way, including controller	1	No.	\$	500,000.00	\$	500,000		
	02	and associated pits and cabling		140.	Ψ	300,000.00	Ψ	300,000	İ	
	G3	Continuous/edge line	3993	m	S	4.00	s	15,972		
	G4	Intermittent continuity line	915	m	\$	2.50	\$	2,288		
	G5	Intermittent lane line	567	m	\$	2.00	\$	1,134		
	G6	Give Way/STOP line	46.2	m	\$	4.00	\$	185		
	G7	RRPM's	225	No.	\$	4.00	\$	901		
	0,	ruu ws	ZZU	140.	Ψ	4.00	۳	301		
	 						 		—	
Н		Street Lighting							\$	480,000
	H1	SB pole, 6m bracket arm, 150W luminaires, electrical	48	no	s	10,000.00	\$	480,000	_	400,000
		transformers and electrical works. Design and			,	,	T .	,	İ	
		construction by Powercor (incl design and							İ	
		management)							İ	
	H2	Meter cabinet	la al				₩		-	
	HZ	Meter cabinet	Incl	no	\$		<u> </u>		<u> </u>	
							_		_	
		Utility Services (Not Used)							\$	-
							_		_	
J		Landscaping							\$	30,525
	J1	Remove topsoil from stockile and spread 100mm	6,105	m ²	\$	5.00	\$	30,525	ĺ	
	1	thick on road verges, medians and adjacent areas	1		1		1		ĺ	
	 	disturbed by construction.	1		+		\vdash		 	
K		Misc Works							s	14,250.00
11	K1	Right of way fencing - 1.2m post and wire	950	m	S	15.00	\$	14,250		14,200.00
		ragin or way renoing - 1.211 post and wife	550	- 111	۳	13.00	¥	14,230	├─	
	_	Sub-total Works (A-K)							•	2,932,827
-		Sub-total Works (A-N)							ð	2,932,827
		Deliver					_			
IVI	144	Delivery	0.5	61				70.000.55		
	M1	Site Establishment	2.5	%			\$	73,320.68	<u> </u>	
	M2	Survey/Design	10	%			\$	293,282.71	<u> </u>	
	M3	Supervision & Project Management	5	%			\$	146,641.36	<u> </u>	
	M4	Contingency	20	%			\$	586,565.43		
	M5	Traffic/Environmental Management	5.5	%			\$	161,305.49		-
	M6	Council Fees	3.25	%			\$	95,316.88		
	M7	VicRoads Fees	1	%			\$	29,328.27		
									ļ	
N		Sub-total Delivery (M)							\$	1,385,761

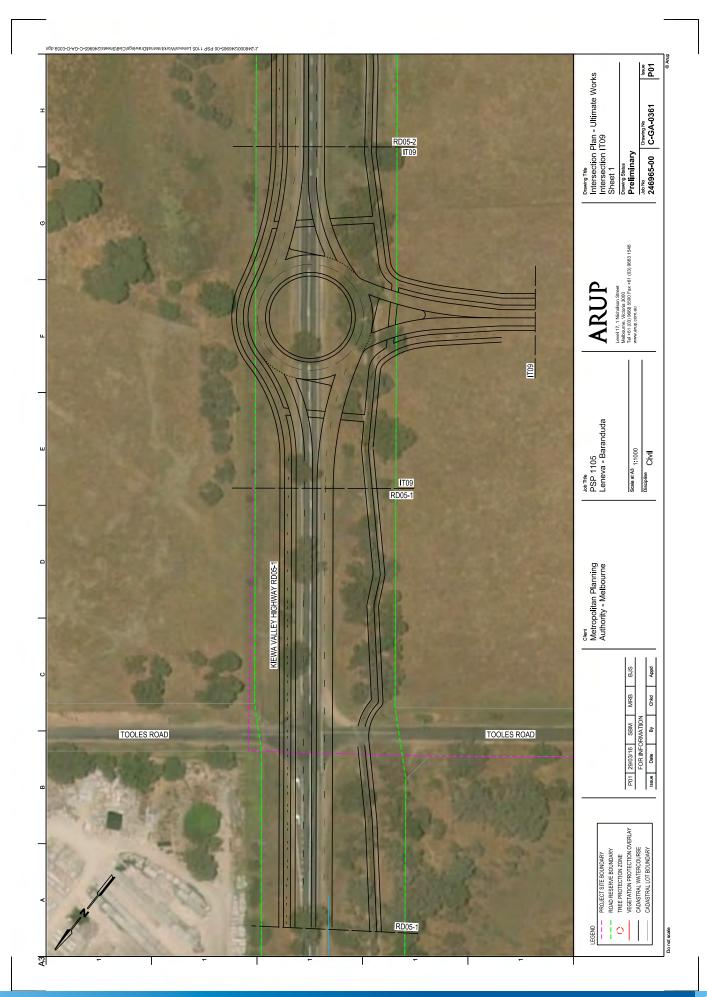




_		Job No.	Sh	eet No.	Rev.			
ARUP		246965-00						
		Element	Element Cost Schedule					
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A					
Calculation	Construction Cost Estimate	Made by	Date	19/12/2016	Chd.			

IT09 Kiewa Valley Highway and Connector T-Roundabout

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE		AMOUNT		SUBTOTAL
Α		Site Clearance							\$	17,830
	A1	General Site Clearance	7415	m ²	\$	2.00	\$	14,830		
	A2	Trees - Girth between 300mm and 1000mm	6	No.	\$	500.00	\$	3,000		
В		Earthworks		_					\$	120,460
	B1	Stripping site topsoil to stockpile on site (assume	7,415	m ²	\$	5.00	\$	37,075		
	B2	150mm thick) Excavate to subgrade including offsite disposal	2,156	3	\$	30.00	\$	64,693		
	B3	Subgrade preparation, trimming and compaction	4,673	m ³	\$	4.00		18,692		
	БЗ	Subgrade preparation, trimining and compaction	4,073	m ²	φ	4.00	φ	10,092		
С		Road Pavements							\$	374,000
	C1	New pavement	3,400	m ²	\$	110.00	\$	374,000	Ψ	01-4,000
			0,100	- "	Ť		_	21.1,000		
D		Concrete Works							\$	190,155
	D1	SM2 type kerb	831	m	\$	45.00	\$	37,395		,
	D2	Footpath/Shared User Path - 150mm concrete on	1273	_	\$	120.00		152,760		
		75mm CR base		m ²			·	, , , , , , , , , , , , , , , , , , ,		
E		Drainage							\$	170,100
		Pipes and Box Culverts: Excavation Depth <1.5m								
ļ	F4	DCD 275mm Close 2 DD 1 (incl -vibil)	407		-	200.00	¢.	100 100		
	E1	RCP - 375mm Class 3 RRJ (incl subsoil)	427	m N-	\$	300.00		128,100		
	E2	Drainage Pit (1000x750)	12	No.	\$	3,500.00	\$	42,000		
_		Guard Fance (Not Head)							¢	
г		Guard Fence (Not Used)							\$	-
G		Signs and Linemarking							\$	194,415
G	G2	Install new signs	17	No.	\$	400.00	\$	6,800	Ψ	194,413
	G4	Signalised pedestrian crossing	3	No.	\$	60,000.00		180,000		
	G6	Continuous/edge line	1241	m	\$	4.00		4,964		
	G7	Intermittent continuity line	810	m	\$	2.50		2,025		
	G8	Intermittent lane line	51	m	\$	2.00	_	102		
	G12	RRPM's	131	No.	\$	4.00	\$	524		
			-				Ė			
Н		Street Lighting							\$	140,000
	H1	SB pole, 6m bracket arm, 150W luminaires, electrical	14	no	\$	10,000.00	\$	140,000		
		transformers and electrical works. Design and								
		construction by Powercor (incl design and								
		management)								
I		Utility Services (Not Used)							\$	-
J		Landscaping							\$	13,710
	J1	Remove topsoil from stockile and spread 100mm	2,742	m ²	\$	5.00	\$	13,710		
		thick on road verges, medians and adjacent areas								
		disturbed by construction.		1	 					
K		Misc Works							\$	12,750.00
••	K1	Right of way fencing - 1.2m post and wire	850	m	\$	15.00	\$	12,750	Ψ	12,700.00
	1	g 2. may ronomy poot and wife		'''	Ť	10.00	Ť	12,730		
L		Sub-total Works (A-K)							\$	1,233,420
_		total Home (Pin)							*	1,200,420
М		Delivery								
	M1	Site Establishment	2.5	%			\$	30,835.49		
	M2	Survey/Design	10	%	t		\$	123,341.98		
	M3	Supervision & Project Management	5	%			\$	61,670.99		
	M4	Contingency	20	%			\$	246,683.95		
	M5	Traffic/Environmental Management	5.5	%			\$	67,838.09		
	M6	Council Fees	3.25	%			\$	40,086.14		
	M7	VicRoads Fees	1	%			\$	12,334.20		
								•		
N		Sub-total Delivery (M)							\$	582,791
0		PROJECT BUDGET							\$	1,816,211



RECREATION AND COMMUNITY FACILITY COST ESTIMATES



COST PLAN DETAIL

PROJECT LENEVA - BARANDUDA COMMUNITY INFRASTRUCTURE

CLIENT MPA

DATE 15/03/2017 REVISION

	WOI	RKS	COST
	AREA	RATE	TOTAL
	M2	\$/M2	\$
LEVEL 1 MULTIPURPOSE COMMUNITY CENTRE			
Early Years - Double Room Kindergarten to cater for 66 licensed places children			
Dual room kindergarten	240	\$ 2,500.00	\$ 600,000
Community meeting space	110	\$ 2,400.00	\$ 264,000
Group room	30	\$ 2,500.00	\$ 75,000
MCH room	20	\$ 2,650.00	\$ 53,000
Breastfeeding room	16	\$ 2,650.00	\$ 42,400
Meeting/interview rooms	20	\$ 2,405.00	\$ 48,100
Teacher office	20	\$ 2,500.00	\$ 50,000
Staff room for 12 staff	25	\$ 2,400.00	\$ 60,000
Kitchen	26	\$ 3,800.00	\$ 98,800
Toilets for staff and children	64	\$ 2,950.00	\$ 188,800
Cleaners cupboard	9	\$ 1,800.00	\$ 16,200
Waiting area	12	\$ 2,100.00	\$ 25,200
Equipment storage	40	\$ 1,900.00	\$ 76,000
Foyer, lobby and corridors	260	\$ 2,200.00	\$ 572,000
Entry canopy and verandah	150	\$ 1,514.00	\$ 227,100
TOTAL	1,042	\$ 2,300.00	\$ 2,396,600
Allowance for External Carparking, Civil, Landscape and Irrigation Works	2,000	\$ 120.00	\$ 240,000
Outdoor Area for Kindergarten and Community	1,124	\$ 350.00	\$ 393,400
SUBTOTAL			\$ 3,030,000
LEVEL 2 MULTIPURPOSE COMMUNITY CENTRE			
Dual room kindergarten	240	\$ 2,500.00	\$ 600,000
Group room	30	\$ 2,500.00	\$ 75,000
Community meeting incl toilets	800	\$ 2,600.00	\$ 2,080,000
MCH room	20	\$ 2,650.00	\$ 53,000
Breastfeeding room	16	\$ 2,650.00	\$ 42,400
Meeting/interview rooms	20	\$ 2,400.00	\$ 48,000
Teacher office/admin	20	\$ 2,500.00	\$ 50,000
Staff room for 12 staff	25	\$ 2,400.00	\$ 60,000
Kitchen - commercial	30	\$ 4,200.00	\$ 126,000
Kitchenette	16	\$ 3,500.00	\$ 56,000
Toilets for staff and children	65	\$ 2,950.00	\$ 191,750
Cleaners cupboard	10	\$ 1,710.00	\$ 17,100
Waiting area	12	\$ 2,100.00	\$ 25,200
Equipment storage	165	\$ 1,750.00	\$ 288,750
Foyer, lobby and corridors	260	\$ 2,200.00	\$ 572,000
Entry canopy and verandah	150	\$ 1,496.00	\$ 224,400
TOTAL	1,879	\$ 2,400.00	\$ 4,509,600
Allowance for External Carparking, Civil, Landscape and Irrigation Works	2,500	\$ 120.00	\$ 300,000
Outdoor Area for Kindergarten and Community	1,384	\$ 350.00	\$ 484,400
SUBTOTAL			\$ 5,294,000







COST PLAN DETAIL

PROJECT LENEVA - BARANDUDA COMMUNITY INFRASTRUCTURE

 PROJECT
 LENEVA - E

 CLIENT
 MPA

 DATE
 15/03/2017

 REVISION
 02

	WO	RKS		COST
	AREA		RATE	TOTAL
	M2		\$/M2	\$
SPORTING RESERVE - SR2				
Sporting Oval (2 Soccer Fields / 1 Cricket Pitch) - assume to incl flood lights	22,000	\$	60.00	\$ 1,320,00
Carparking and Lighting - assumed area	2,500	\$	120.00	\$ 300,00
Sports Pavilion - Incl. 4 Change Rooms, Umpire Rooms, Kitchen / Canteen, Club Room, etc.	700	\$	2,450.00	\$ 1,715,00
Allowance for tiered seating - assume lightweight construction	1	\$	100,000.00	\$ 100,000
Allowance for External Works incl Landscaping and Civil (excludes vehicular hard landscape)	1	\$	40,000.00	\$ 40,00
Allowance for Feature Entrance	1	\$	50,000.00	\$ 50,00
SUBTOTAL				\$ 3,525,00
SPORTING RESERVE - SR1				
Sporting Oval (AFL / 1 Cricket Pitch) - assume to incl flood lights	22,000	\$	60.00	\$ 1,320,00
4 Outdoor Netball Courts - assume sports surfacing required	3,200	\$	150.00	\$ 480,00
Carparking and Lighting - assumed area	3,500	\$	120.00	\$ 420,00
Sports Pavilion to AFL guidelines - assume effiiciencies can be achieved	1,000	\$	2,700.00	\$ 2,700,00
Playground	1	\$	150,000.00	\$ 150,00
Allowance for tiered seating - assume lightweight construction	1	\$	150,000.00	\$ 150,00
Allowance for External Works incl Landscaping and Civil (excludes vehicular hard landscape)	1	\$	50,000.00	\$ 50,00
Allowance for Feature Entrance	1	\$	50,000.00	\$ 50,00
SUBTOTAL				\$ 5,320,00



COST PLAN DETAIL

PROJECT LENEVA - BARANDUDA COMMUNITY INFRASTRUCTURE

 CLIENT
 MPA

 DATE
 15/03/2017

 REVISION
 02

	WO	RKS		соѕт
	AREA		RATE	TOTAL
	M2		\$/M2	\$
BARANDUDA FIELDS SPORTING COMPLEX				
4x Sporting Ovals - AFL	72,000	\$	60.00	\$ 4,320,000
Pavilion - Standard construction with club rooms and change rooms	1,100	\$	2,450.00	\$ 2,695,000
Paving Works	1,830	\$	120.00	\$ 219,600
Cricket Facility				
2 Turfs - included within ovals				INCL
1 Turn - independent	11,000	\$	60.00	\$ 660,000
4 Synthetic Cricket Wickets - fully enclosed cage	4	\$	25,000.00	\$ 100,000
Cycling Cirterium Track - Assume included within shared path around fields				INCL
Indoor Stadium - Three Courts assumed with amenities, circulation and reception	3,100	\$	1,750.00	\$ 5,425,000
Lawn Bowls - Two Floodlit Greens, Pavilion and Parking for expansion to Four Greens				
Floodlit Greens including lighting	2	\$	250,000.00	\$ 500,000
Pavilion - Standard construction with club rooms and change rooms (assumed area)	1,250	\$	2,450.00	\$ 3,062,500
Future expansion - Land Allocation (grassing only)	3,050	\$	5.00	\$ 15,250
Outdoor Netball Courts - with Floodlighting adjacent to the Indoor Stadium (4no.)	3,200	\$	200.00	\$ 640,000
Rugby League				
2 Fields	22,000	\$	60.00	\$ 1,320,000
Pavilion - Standard construction with club rooms and change rooms (assumed area)	1,100	\$	2,450.00	\$ 2,695,000
Car Parking	1,050	\$	120.00	\$ 126,000
Soccer - 2 Pitch (local level facility)				
Pitch	14,500	\$	60.00	\$ 870,000
Pavilion / Amenities / Specator Areas	1,750	\$	2,450.00	\$ 4,287,500
Tennis				
8 Court (local level) with Floodlighting	8	\$	70,000.00	\$ 560,000
Pavilion - Standard construction with club rooms and change rooms	1,050	\$	2,450.00	\$ 2,572,500
Passive Recreation - Wetlands (assume existing) / Passive Park Precinct Area and Playground				EXCL
Carparking, Roads and Lighting	62,150	\$	100.00	\$ 6,215,000
Pavement and Footpath	10,800	\$	120.00	\$ 1,296,000
Allowance for External Works incl Landscaping and Civil (excludes vehicular hard landscape)				EXCL
Rounding				\$ 650
SUBTOTAL				\$ 37,580,000
CONSTRUCTION COST - TOTAL				\$ 64,876,500





COST PLAN DETAIL

PROJECT LENEVA - BARANDUDA COMMUNITY INFRASTRUCTURE

CLIENT MPA DATE 15/03/2017 REVISION 02

	WO	RKS	COST
	AREA	RATE	TOTAL
	M2	\$/M2	\$
OTHER WORKS			
Site Services & Infrastructure			\$ 1,000,000
Site Signage			\$ 100,000
Site Fencing			\$ 250,000
Demolitions			EXCL
Preliminaries		12%	\$ 7,785,000
NETT CONSTRUCTION COST			\$ 74,011,500
SPECIAL PROVISIONS			
Staging			EXCL
ESD Initiatives			EXCL
Design Contingency		12%	\$ 8,882,000
Construction Contingency		5%	\$ 4,145,000
TOTAL CONSTRUCTION COST			\$ 87,038,500
OTHER PROJECT COSTS			
FF&E			EXCL
ICT			EXCL
Consultant Fees		7%	\$ 6,093,000
Authority Charges		0.25%	\$ 233,000
Relocation Costs			EXCL
Temporary Accomodation			EXCL
TOTAL PROJECT COST (EXCL. GST)			\$ 93,365,000
ESCALATION			
To Construction Commencement			EXCL
To Construction Completion			EXCL
TOTAL PROJECT END COST (EXCL. GST)			\$ 93,365,000

Clarifications and Exclusions

- GST
- Legal & holding costs
- Adverse soil conditions
- Allowance for removal of any contamination / hazardous materials
- Any electrical and lighting costs unless noted within the cost plan
- Any stormwater and hydraulic cost unless noted within cost plan
- Soft landscaping maintenance
- ESD Initiatives / Allowances



DRAINAGE PROJECT COST AND FUNCTIONAL LAYOUT PLANS

	Job No.		Sheet No	0.	Rev.	
LARUP	24	16965-00				
711101	Element		Cost S			
Job Title PSP 1105 Leneva - Baranduda	Drg. Ref.		N/A			
Calculatior Wetland Cost Estimate	Made by	D	ate	19/12/2016	Chd.	

COST ESTIMATE FOR WETLANDS

WRB1 (N1j) Combined Wetland/Retarding Basin

Areas (sq m)

Total 18381

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE	_	AMOUNT	ŞI	JBTOTAL
A		Siteworks and Earthworks							\$	1,138,971
	A1	Preconstruction - General Site Clearance	18,381	m ²	\$	2.00		36,762		
	A2	Stripping site topsoil to stockpile on site (assume	18,381	m ²	\$	5.00	\$	91,905		
		150mm thick)		***			·	,		
	A3	Excavate to subgrade include off-site disposal	31,226	m ³	\$	30.00	\$	936,780		
	A4	Subgrade preparation, trimming and compaction	18,381	m ²	\$	4.00	\$	73,524		
В		Drainage Structures							\$	14,100
	B1	Drawndown Drainage Pit (1000 x 750) with overflow	1	No.	\$	5,000.00	\$	5,000		
		inlet								
	B2	Outlet pipe - RCP 450mm Class 3 RRJ	26	m	\$	350.00	\$	9,100		
С		Access Paths							\$	88,344
	C1	Vehicle access	3,272	m ²	\$	27.00	\$	88,344		
_										
D	5.1	Rock Works	20	2	_	040.00		10.000	\$	70,057
	D1	Inlet/weir between sediment basin and macrophyte	86	m ²	\$	212.00	\$	18,232		
	D2	zone	86	2	\$	9.00	\$	774		
	D3	Inlet/weir geoxtile supply and placement	231	m ²	\$	212.00		48,972		
	D4	Extreme event overflow	231	m ²	\$	9.00		2,079		
	D4	Extreme event overflow geotextile supply and placement	231	m ²	Ф	9.00	Ф	2,079		
		placement			1					
E		Clay Liner							\$	119,108
	E1	Grassed area (minus verge)	10,828	m ²	\$	11.00	\$	119,108	*	,
		, , , , ,			† <u> </u>					
F		Signs							\$	5,000
	F1	Install new signs	1	Item	\$	5,000.00	\$	5,000		
G		Aquatic Planting							\$	19,712
	G1	Planting	1,408	m ²	\$	14.00	\$	19,712		
Н		Sub-total Works (A-G)							\$	1,455,292
I		Delivery								
	11	Traffic/Environmental Management	5.5	%			\$	80,041.06		
	12	Survey/Design	5	%			\$	72,764.60		
	13	Supervision & Project Management	10	%			\$	145,529.20		
	14	Site Establishment	2.5	%			\$	36,382.30		
	15	Contingency	20	%			\$	291,058.40		
	16	Council Fees	3.25	%			\$	47,296.99		
J		Sub-total Delivery (I)							\$	673,073
K		PROJECT BUDGET							\$	2,128,36

	Job No.	Sheet No.	Rev.
LARUP	246965-00		
71110	Element	Cost Schedule	
Job Title PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A	
Calculation Wetland Cost Estimate	Made by	Date 19/12/2016 Chd.	

WRB2 (N1g) Combined Wetland/Retarding Basin

Areas (sq m)

Total 24096

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE	AM	OUNT	SL	JBTOTAL
A		Siteworks and Earthworks							\$	1,788,48
	A1	Preconstruction - General Site Clearance	24,096	m²	\$	2.00		48,192		
	A2	Stripping site topsoil to stockpile on site (assume 150mm thick)	24,096	m²	\$	5.00	\$	120,480		
	A3	Excavate to subgrade include off-site disposal	50,781	m ³	\$	30.00	\$	1,523,430		
	A4	Subgrade preparation, trimming and compaction	24,096	m²	\$	4.00	\$	96,384		
В		Drainage Structures							\$	14,27
	B1	Drawndown Drainage Pit (1000 x 750) with overflow inlet	1	No.	\$	5,000.00	\$	5,000		
	B2	Outlet pipe - RCP 450mm Class 3 RRJ	27	m	\$	350.00	\$	9,275		
С		Access Paths							\$	102,816
	C1	Vehicle access (Composite rate)	3,808	m²	\$	27.00	\$	102,816		
D		Rock Works							\$	70,057
<u> </u>	D1	Inlet/weir between sediment basin and macrophyte	86	m ²	\$	212.00	\$	18,232	Ψ	70,03
	D0	zone	00	2		0.00		77.4		
	D2	Inlet/weir geoxtile supply and placement	86	m ²	\$	9.00		774		
	D3	Extreme event overflow	231	m²	\$	212.00		48,972		
	D4	Extreme event overflow geotextile supply and placement	231	m ²	\$	9.00	\$	2,079		
E		Clay Liner	10.010					150.010	\$	178,310
	E1	Grassed area (minus verge)	16,210	m ²	\$	11.00	\$	178,310		
-		0:							•	F 000
P	F1	Signs Install new signs	1	Item	\$	5.000.00	\$	5,000	\$	5,00
	F1	Ilistali fiew signs	ı	пеш	φ	5,000.00	φ	5,000		
G		Aquatic Planting							\$	77,91
	G1	Planting	5,565	m ²	\$	14.00	\$	77,910	¥	,
Н		Sub-total Works (A-G)							\$	2,236,854
										, ,
I		Delivery								
	l1	Traffic/Environmental Management	5.5	%			\$	123,027		
	12	Survey/Design	5	%	1		\$	111,843		
	13	Supervision & Project Management	10	%	1		\$	223,685		
	14	Site Establishment	2.5	%	1		\$	55,921		
	15	Contingency	20	%			\$	447,371		
	16	Council Fees	3.25	%			\$	72,698		
J		Sub-total Delivery (I)							\$	1,034,545
K		PROJECT BUDGET							\$	3,271,399

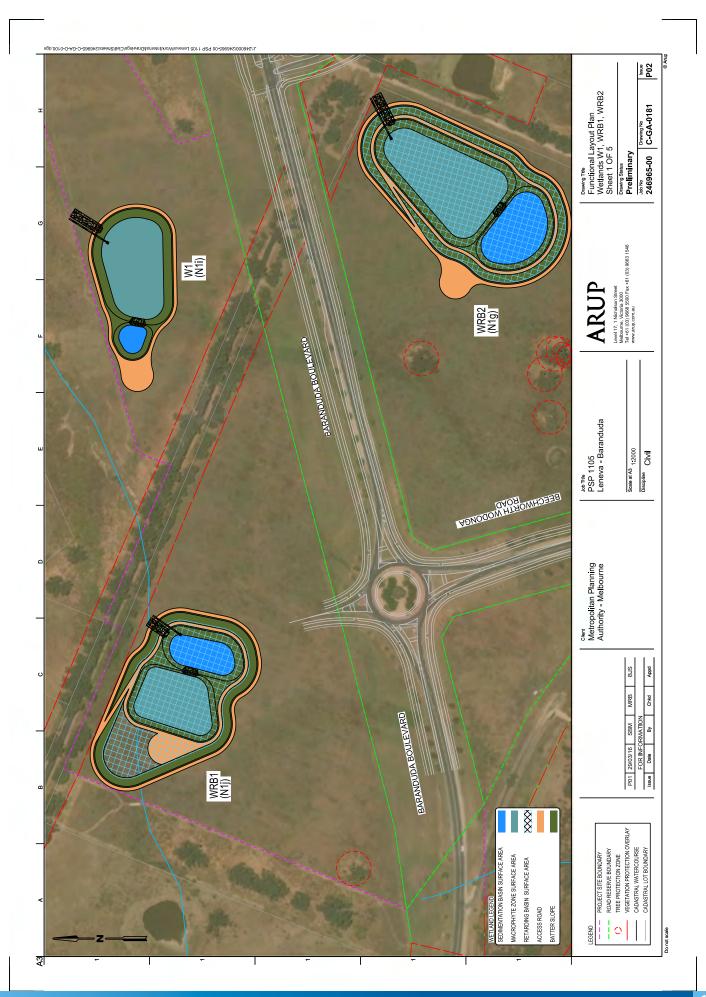
		Job No.		Sheet No.		Rev.
<i> </i>	ARUP	246965-00				
•		Element	Cost	Schedule		
Job Ti	tle PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A			
Calcul	Wetland Cost Estimate	Made by	[Date 19/12/2016	Chd.	

W1 (N1i) Constructed Wetland

Areas (sq m)

Total 8,752

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE	ΑN	MOUNT	SU	IBTOTAL
0_011011				0			7			
A		Siteworks and Earthworks							\$	412,682
	A1	Preconstruction - General Site Clearance	8,752	m ²	\$	2.00		17,504		,
	A2	Stripping site topsoil to stockpile on site (assume	8,752	m ²	\$	5.00	\$	43,760		
		150mm thick)		***						
	A3	Excavate to subgrade include off-site disposal	10,547	m ³	\$	30.00	\$	316,410		
	A4	Subgrade preparation, trimming and compaction	8,752	m²	\$	4.00	\$	35,008		-
В		Drainage Structures							\$	10,250
	B1	Drawndown Drainage Pit (1000 x 750) with overflow	1	No.	\$	5,000.00	\$	5,000	Ψ	10,200
	D1	inlet	'	140.	Ψ	3,000.00	Ψ	3,000		
	B2	Outlet pipe - RCP 450mm Class 3 RRJ	15	m	\$	350.00	\$	5,250		
С		Access Paths							\$	45,387
_	C1	Vehicle access (composite rate)	1,681	m ²	\$	27.00	\$	45,387	•	40,001
	01	Verificio decesso (composite rate)	1,001	111	Ψ	27.00	Ψ	10,001		
D		Rock Works							\$	70,057.00
	D1	Inlet/weir between sediment basin and macrophyte	86	m ²	\$	212.00	\$	18,232	*	10,001.00
		zone								
	D2	Inlet/weir geoxtile supply and placement	86	m ²	\$	9.00	\$	774		
	D3	Extreme event overflow	231	m ²	\$	212.00	\$	48,972		
	D4	Extreme event overflow geotextile supply and	231	m ²	\$	9.00	\$	2,079		
		placement								
E		Clay Liner							\$	68,013
	E1	Grassed area (minus verge)	6,183	m ²	\$	11.00	\$	68,013		
F		Signs							\$	5,000
	F1	Install new signs	1	Item	\$	5,000.00	\$	5,000		
G		Aquatic Planting							\$	54,782
G	G1	Planting	3,913	m ²	\$	14.00	\$	54,782	Þ	54,762
	01	1 tartung	0,510	m	Ψ	14.00	Ψ	34,70 <u>2</u>		
Н		Sub-total Works (A-G)							\$	666,171
		, ,								
I		Delivery								
	l1	Traffic/Environmental Management	5.5	%			\$	36,639		
	12	Survey/Design	5	%			\$	33,309		
	13	Supervision & Project Management	10	%			\$	66,617		
	14	Site Establishment	2.5	%			\$	16,654		
	15	Contingency	20	%			\$	133,234		
	16	Council Fees	3.25	%			\$	21,651		
		Sub total Daliyamı (II)							\$	200 404
J V		Sub-total Delivery (I)		_					\$	308,104
N .		PROJECT BUDGET							\$	974,275



	Job No.	Sheet No.	Rev.
LARUP	246965-00		
	Element	Cost Schedule	
Job Title PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A	
Calculatio Wetland Cost Estimate	Made by	Date 19/12/2016 Chd.	

WRB4 (N1c) Combined Wetland/Retarding Basin

Areas (sq m)

otal 13,698

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE	Al	MOUNT	SU	JBTOTAL
A		Siteworks and Earthworks							\$	759,24
	A1	Preconstruction - General Site Clearance	13,698	m ²	\$	2.00		27,396		
	A2	Stripping site topsoil to stockpile on site (assume 150mm thick)	13,698	m ²	\$	5.00	\$	68,490		
	A3	Excavate to subgrade and stockpile material on site (assume reusable by Developer - no disposal cost)	20,286	m ³	\$	30.00	\$	608,565		
	A4	Subgrade preparation, trimming and compaction	13,698	m ²	\$	4.00	\$	54,792		
3		Drainage Structures							\$	14,10
	B1	Drawndown Drainage Pit (1000 x 750) with overflow inlet	1	No.	\$	5,000.00		5,000		
	B2	Outlet pipe - RCP 450mm Class 3 RRJ	26	m	\$	350.00	\$	9,100		
r:		Access Paths							\$	52,92
	C1		1,960	_ 2	•	27.00	•	52,920	Ą	52,92
	C1	Vehicle access (Composite rate)	1,960	m ²	\$	27.00	Ъ	52,920		
n		Deals Manha							•	70.05
D	D1	Rock Works	86	2	\$	212.00	œ.	18,232	\$	70,05
		Inlet/weir between sediment basin and macrophyte zone		m ²						
	D2	Inlet/weir geoxtile supply and placement	86	m ²	\$	9.00		774		
	D3	Extreme event overflow	231	m ²	\$	212.00		48,972		
	D4	Extreme event overflow geotextile supply and placement	231	m ²	\$	9.00	\$	2,079		
E		Clay Liner							\$	122,98
	E1	Grassed area (minus verge)	11,180	m ²	\$	11.00	\$	122,980		
F		Signs							\$	5,00
	F1	Install new signs	1	Item	\$	5,000.00	\$	5,000		
G		Aquatic Planting							\$	82,51
	G1	Planting	5,894	m ²	\$	14.00	\$	82,516	•	02,01
	<u> </u>	i ianang	0,001		Ť		<u> </u>	,		
H		Sub-total Works (A-G)							\$	1,106,81
**		() 2							*	.,,.
		Delivery								
	l1	Traffic/Environmental Management	5.5	%			\$	60,874.88		
	12	Survey/Design	5	%			\$	55,340.80		
	13	Supervision & Project Management	10	%			\$	110,681.60		
	14	Site Establishment	2.5	%			\$	27,670.40		
	15	Contingency	20	%			\$	221,363.20		
	16	Council Fees	3.25	%			\$	35,971.52		
								· · · · ·		
J		Sub-total Delivery (I)							\$	511,90
K		PROJECT BUDGET							\$	1,618,71

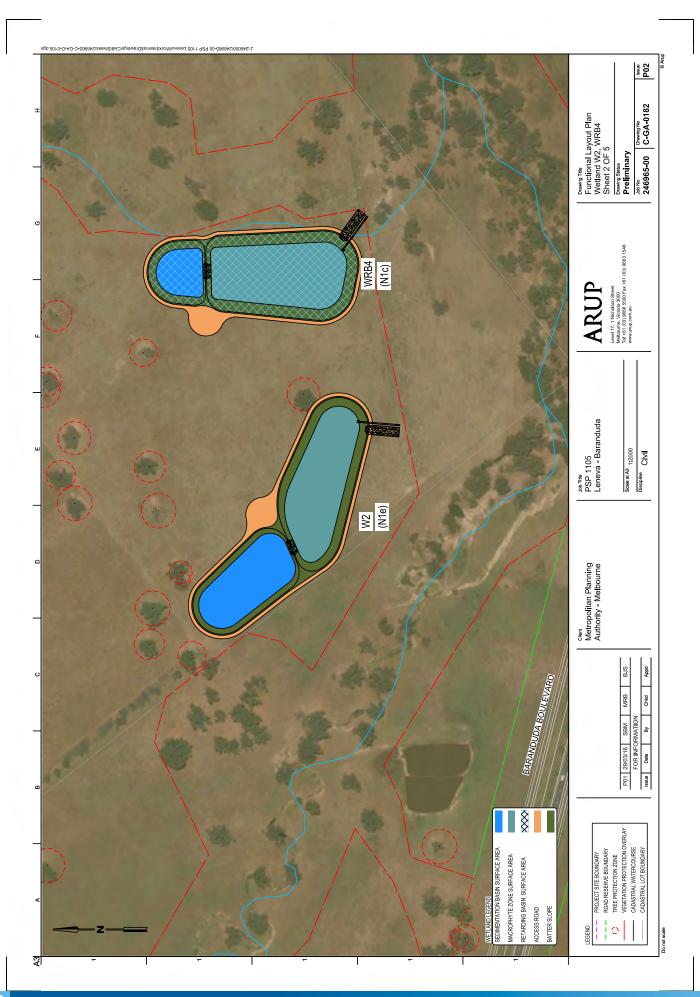
		Job No.		Sheet No.		Rev.
\perp A Γ	ARUP					
			Cost	Schedule		
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A			
Calculation	Wetland Cost Estimate	Made by	С	^{0ate} 19/12/2016	Chd.	

W2 (N1e) Constructed Wetland

Areas (sq m)

Total 15672

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE	Α	MOUNT	SL	JBTOTAL
A		Siteworks and Earthworks							\$	788,112
	A1	Preconstruction - General Site Clearance	15,672	m ²	\$	2.00		31,344	•	,
	A2	Stripping site topsoil to stockpile on site (assume	15,672	m ²	\$	5.00	\$	78,360		
		150mm thick)			·			-,		
	A3	Excavate to subgrade include off-site disposal	20,524	m^3	\$	30.00	\$	615,720		
	A4	Subgrade preparation, trimming and compaction	15,672	m ²	\$	4.00	\$	62,688		
В		Drainage Structures							\$	10,250
	B1	Drawndown Drainage Pit (1000 x 750) with overflow	1	No.	\$	5,000.00	\$	5,000		
	200	inlet	45		_	050.00	•	5.050		
	B2	Outlet pipe - RCP 450mm Class 3 RRJ	15	m	\$	350.00	\$	5,250		
С		Access Paths							\$	61,668
C	C1		2,284	2	\$	27.00	\$	61,668	Þ	01,000
	CI	Vehicle access (composite rate)	2,204	m ²	Φ	27.00	φ	01,000		
D		Rock Works							\$	70.057.00
U	D1		86	m ²	\$	212.00	\$	18,232	P	70,057.00
		Inlet/weir between sediment basin and macrophyte zone		""	"	212.00	Ψ	10,202		
	D2	Inlet/weir geoxtile supply and placement	86	m ²	\$	9.00	\$	774		
	D3	Extreme event overflow	231	m ²	\$	212.00	\$	48,972		
	D4	Extreme event overflow geotextile supply and	231	m²	\$	9.00	\$	2,079		
		placement								
E		Clay Liner							\$	138,787
	E1	Grassed area (minus verge)	12,617	m ²	\$	11.00	\$	138,787		
F		Signs							\$	5,000
	F1	Install new signs	1	Item	\$	5,000.00	\$	5,000		
G		Aquatic Planting							\$	73,528
	G1	Planting	5,252	m ²	\$	14.00	\$	73,528		
Н		Sub-total Works (A-G)							\$	1,147,402
-										
		Delivery								
	l1	Traffic/Environmental Management	5.5	%			\$	63,107		
	12	Survey/Design	5	%			\$	57,370		
	13	Supervision & Project Management	10	%	1		\$	114,740		
	14	Site Establishment	2.5	%	1		\$	28,685		
	15	Contingency	20	%	1		\$	229,480		
	16	Council Fees	3.25	%	1		\$	37,291		
		Out total Dallinama (II)							•	E00 050
J		Sub-total Delivery (I)							\$	530,673
N .		PROJECT BUDGET							\$	1,678,075



		Job No.	Sheet No.	Rev.
ARUP	ARUP			
1.11.001		Element	Cost Schedule	
Job Title PSP 1105 Leneva - Barandu	ıda	Drg. Ref.	N/A	
Calculation Wetland Cost Estimate		Made by	Date 19/12/2016	Chd.

WRB3 (N1f) Combined Wetland/Retarding Basin

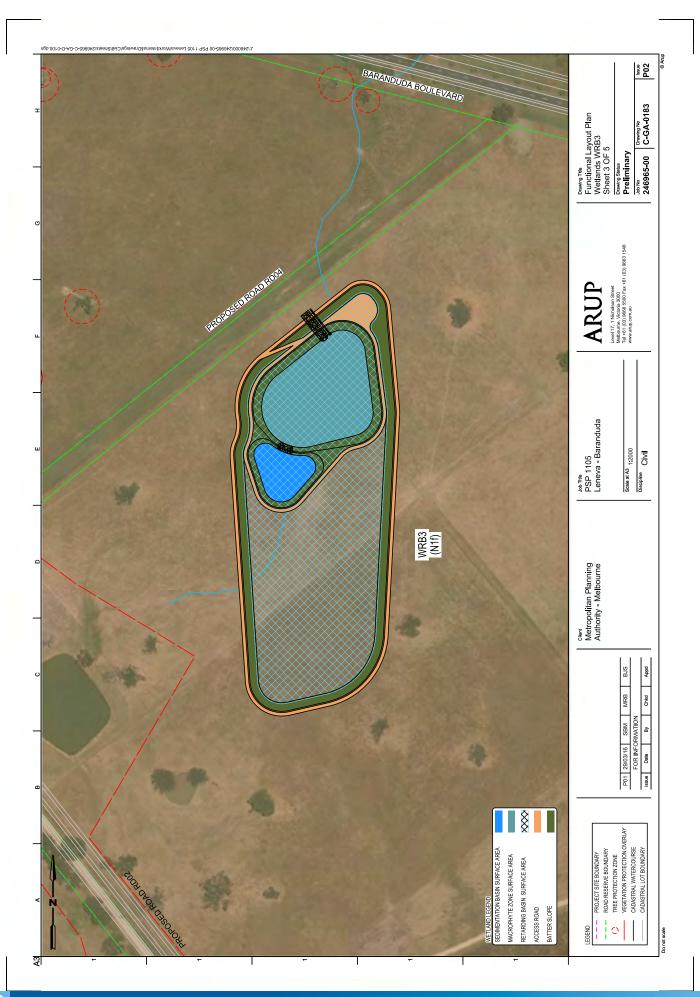
Areas (sq m)

Total 47624

Assumptions No GPT; no inlet pipe; no fencing or gate (public recreational space)

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE	AMOUNT		SUBTOTAL
Α		Siteworks and Earthworks	.=						\$ 3,244,084
	A1	Preconstruction - General Site Clearance	47,624	m ²	\$	2.00		5,248	
	A2	Stripping site topsoil to stockpile on site (assume 150mm thick)	47,624	m ²	\$	5.00		8,120	
	A3	Excavate to subgrade include off-site disposal	90,674	m ³	\$	30.00	\$ 2,72	0,220	
	A4	Subgrade preparation, trimming and compaction	47,624	m ²	\$	4.00	\$ 19	0,496	
В		Drainage Structures							\$ 14,100
В	B1	Drawndown Drainage Pit (1000 x 750) with overflow	1	No.	\$	5,000.00	\$	5,000	φ 14,100
		inlet	-	140.			Ψ	3,000	
	B2	Outlet pipe - RCP 450mm Class 3 RRJ	26	m	\$	350.00	\$	9,100	
С		Access Paths							\$ 133,650
	C1	Vehicle access (Composite rate)	4,950	m ²	\$	27.00	\$ 13	3,650	,,
D		Rock Works							\$ 70,057
	D1	Inlet/weir between sediment basin and macrophyte zone	86	m ²	\$	212.00	\$ 1	8,232	
	D2	Inlet/weir geoxtile supply and placement	86	m ²	\$	9.00	\$	774	
	D3	Extreme event overflow	231	m²	\$	212.00	\$ 4	8,972	
	D4	Extreme event overflow geotextile supply and placement	231	m ²	\$	9.00	\$	2,079	
F		Clay Liner						9	\$ 389,026
_	E1	Grassed area (minus verge)	35,366	m ²	\$	11.00	\$ 38	9,026	000,020
		, , , , , , , , , , , , , , , , , , ,							
F		Signs						;	\$ 5,000
	F1	Install new signs	1	Item	\$	5,000.00	\$	5,000	
G		Aquatic Planting							\$ 99,064
G	G1	Planting	7,076	m ²	\$	14.00	\$ 9	9,064	9 99,004
			,		<u> </u>				
Н		Sub-total Works (A-G)						:	\$ 3,954,981
I		Delivery							
	l1	Traffic/Environmental Management	5.5	%			\$ 21	7,524	
	12	Survey/Design	5	%				7,749	
	13	Supervision & Project Management	10	%			\$ 39	5,498	
	14	Site Establishment	2.5	%			\$ 9	8,875	
	15	Contingency	20	%			\$ 79	0,996	
	16	Council Fees	3.25	%			\$ 12	8,537	
		Sub total Delivery (II)							4 000 470
J		Sub-total Delivery (I)							\$ 1,829,179
N.		PROJECT BUDGET						,	5,784,160

\$



-		Job No.	Sheet No.	Rev.
\perp AR	ARUP			
		Element	Cost Schedule	
Job Title	SP 1105 Leneva - Baranduda	Drg. Ref.	N/A	
Calculation W	etland Cost Estimate	Made by	Date 19/12/2016	Chd.

W3 (N1b) Constructed Wetland

Areas (sq m)

Total 9196

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE	Α	MOUNT	SI	JBTOTAL
A		Siteworks and Earthworks							\$	424,25
	A1	Preconstruction - General Site Clearance	9,196	m ²	\$	2.00		18,392		
	A2	Stripping site topsoil to stockpile on site (assume	9,196	m ²	\$	5.00	\$	45,980		
		150mm thick)		***						
	A3	Excavate to subgrade include off-site disposal	10,770	m^3	\$	30.00	\$	323,100		
	A4	Subgrade preparation, trimming and compaction	9,196	m ²	\$	4.00	\$	36,784		
В		Drainage Structures							\$	10,250
	B1	Drawndown Drainage Pit (1000 x 750) with overflow	1	No.	\$	5,000.00	\$	5,000		
	B2	inlet Outlet pipe - RCP 450mm Class 3 RRJ	15	m	\$	350.00	\$	5,250		
	- DE	Callet pipe 1101 10011111 Glade 6 11110	10	***	<u> </u>	000.00	Ψ	0,200		
С		Access Paths							\$	49,545
_	C1	Vehicle access (composite rate)	1,835	m ²	\$	27.00	\$	49,545	*	10,011
		, , ,	,							
D		Rock Works							\$	70,057.00
	D1	Inlet/weir between sediment basin and macrophyte	86	m ²	\$	212.00	\$	18,232		
		zone								
	D2	Inlet/weir geoxtile supply and placement	86	m ²	\$	9.00	\$	774		
	D3	Extreme event overflow	231	m ²	\$	212.00	\$	48,972		
	D4	Extreme event overflow geotextile supply and	231	m ²	\$	9.00	\$	2,079		
		placement								
E		Clay Liner							\$	74,932
_	E1	Grassed area (minus verge)	6,812	m ²	\$	11.00	\$	74,932	Ψ	14,302
		Consider the second control of the second co	2,2.2		Ť		_	,		
F		Signs							\$	5,000
	F1	Install new signs	1	Item	\$	5,000.00	\$	5,000		
G		Aquatic Planting							\$	43,890
	G1	Planting	3,135	m ²	\$	14.00	\$	43,890		
Н		Sub-total Works (A-G)							\$	677,930
<u> </u>	14	Delivery	5.5	0/				07.000		
	11	Traffic/Environmental Management	5.5	%			\$	37,286		
	12	Survey/Design	5	%			\$	33,897		
	13	Supervision & Project Management	10	%			\$	67,793		
	14	Site Establishment	2.5	%	-		\$	16,948		
	15	Contingency	20	%	-		\$	135,586		
	16	Council Fees	3.25	%	-		\$	22,033		
		Sub total Daliscom (I)							•	242 540
J		Sub-total Delivery (I)							\$	313,543
N .		PROJECT BUDGET							\$	991,473

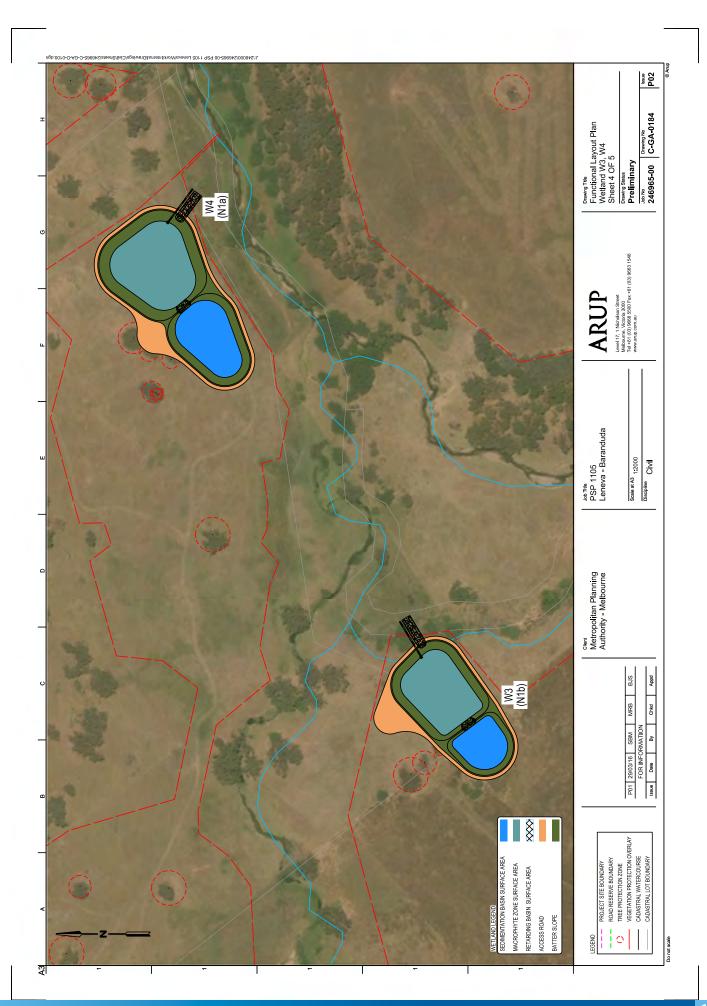
ARUP		246965-00	Sheet No.	Rev.	
		Element	Cost Schedule		
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A		
Calculation	Wetland Cost Estimate	Made by	Date 19/12/2016	Chd.	

W4 (N1a) Constructed Wetland

Areas (sq m)

Total 12,728

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE	AMO	DUNT	SL	JBTOTAL
A		Siteworks and Earthworks							\$	600,08
	A1	Preconstruction - General Site Clearance	12,728	m^2	\$	2.00		25,456		
	A2	Stripping site topsoil to stockpile on site (assume 150mm thick)	12,728	m ²	\$	5.00	\$	63,640		
	A3	Excavate to subgrade include off-site disposal	15,336	m ³	\$	30.00	\$	460,080		
	A4	Subgrade preparation, trimming and compaction	12,728	m²	\$	4.00	\$	50,912		
В		Drainage Structures							\$	10,95
	B1	Drawndown Drainage Pit (1000 x 750) with overflow inlet	1	No.	\$	5,000.00	\$	5,000		
	B2	Outlet pipe - RCP 450mm Class 3 RRJ	17	m	\$	350.00	\$	5,950		
C		Access Paths							\$	53,10
	C1	Vehicle access (composite rate)	1,967	m ²	\$	27.00	\$	53,109		,
D		Rock Works							\$	70,057.0
<u> </u>	D1		86	m ²	\$	212.00	\$	18,232	Þ	70,057.0
		Inlet/weir between sediment basin and macrophyte zone	00	m	ľ	212.00	Ψ	10,202		
	D2	Inlet/weir geoxtile supply and placement	86	m ²	\$	9.00	\$	774		
	D3	Extreme event overflow	231	m ²	\$	212.00	\$	48,972		
	D4	Extreme event overflow geotextile supply and placement	231	m²	\$	9.00	\$	2,079		
F		Clay Liner							\$	111,33
	E1	Grassed area (minus verge)	10,121	m ²	\$	11.00	\$	111,331	Ψ	111,55
		3.,	- ,				,	,		
F		Signs							\$	5,00
	F1	Install new signs	1	Item	\$	5,000.00	\$	5,000		.,
G		Aquatic Planting							\$	55,67
9	G1	Planting	3,977	m ²	\$	14.00	\$	55,678	Ψ	33,07
Н		Sub-total Works (A-G)							\$	906,21
1		Delivery								
	11	Traffic/Environmental Management	5.5	%			\$	49,842		
	12	Survey/Design	5.5	%			\$	45,311		
	13	Supervision & Project Management	10	%	+		\$	90,621		
	14	Site Establishment	2.5	%			\$	22.655		
	15	Contingency	2.5	%			\$	181,243		
	16	Council Fees	3.25	%			\$	29,452		
	-		,,,,,					-,		
J		Sub-total Delivery (I)							\$	419,12
K		PROJECT BUDGET							\$	1,325,33



		Job No.	Sheet No.	Rev.			
LARUP		246965-00					
1	711101		Cost Schedule				
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A				
Calculation	Wetland Cost Estimate	Made by	Date 19/12/2016	Chd.			

W5 (N2) Constructed Wetland

Areas (sq m)

Total 20618

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT	S	UBTOTAL
4		Siteworks and Earthworks					\$	1,105,228
	A1	Preconstruction - General Site Clearance	20,618	m ²	\$ 2.00	41,236		
	A2	Stripping site topsoil to stockpile on site (assume 150mm thick)	20,618	m ²	\$ 5.00	\$ 103,090		
	А3	Excavate to subgrade include off-site disposal	29,281	m ³	\$ 30.00	\$ 878,430		
	A4	Subgrade preparation, trimming and compaction	20,618	m ²	\$ 4.00	\$ 82,472		
В		Drainage Structures					\$	10,600
	B1	Drawndown Drainage Pit (1000 x 750) with overflow inlet	1	No.	\$ 5,000.00	\$ 5,000		
	B2	Outlet pipe - RCP 450mm Class 3 RRJ	16	m	\$ 350.00	\$ 5,600		
С		Access Paths					\$	61,128
	C1	Vehicle access (composite rate)	2,264	m ²	\$ 27.00	\$ 61,128		
D		Rock Works					\$	70,057.00
	D1	Inlet/weir between sediment basin and macrophyte zone	86	m ²	\$ 212.00	\$ 18,232	•	10,001101
	D2	Inlet/weir geoxtile supply and placement	86	m ²	\$ 9.00	\$ 774		
	D3	Extreme event overflow	231	m ²	\$ 212.00	\$ 48,972		
	D4	Extreme event overflow geotextile supply and placement	231	m ²	\$ 9.00	\$ 2,079		
		processing the second s						
E		Clay Liner					\$	189,651
	E1	Grassed area (minus verge)	17,241	m ²	\$ 11.00	\$ 189,651		
F		Signs					\$	5,000
	F1	Install new signs	1	Item	\$ 5,000.00	\$ 5,000		
G		Aquatic Planting					\$	119,616
	G1	Planting	8,544	m ²	\$ 14.00	\$ 119,616	Ψ	113,010
Н		Sub-total Works (A-G)					\$	1,561,280
								, ,
I		Delivery						
	l1	Traffic/Environmental Management	5.5	%		\$ 85,870.40		
	12	Survey/Design	5	%		\$ 78,064.00		
	13	Supervision & Project Management	10	%		\$ 156,128.00		
	14	Site Establishment	2.5	%		\$ 39,032.00		
	15	Contingency	20	%		\$ 312,256.00		
	16	Council Fees	3.25	%		\$ 50,741.60		
J		Sub-total Delivery (I)					\$	722,092
V		PROJECT BUDGET					\$	2,283,372

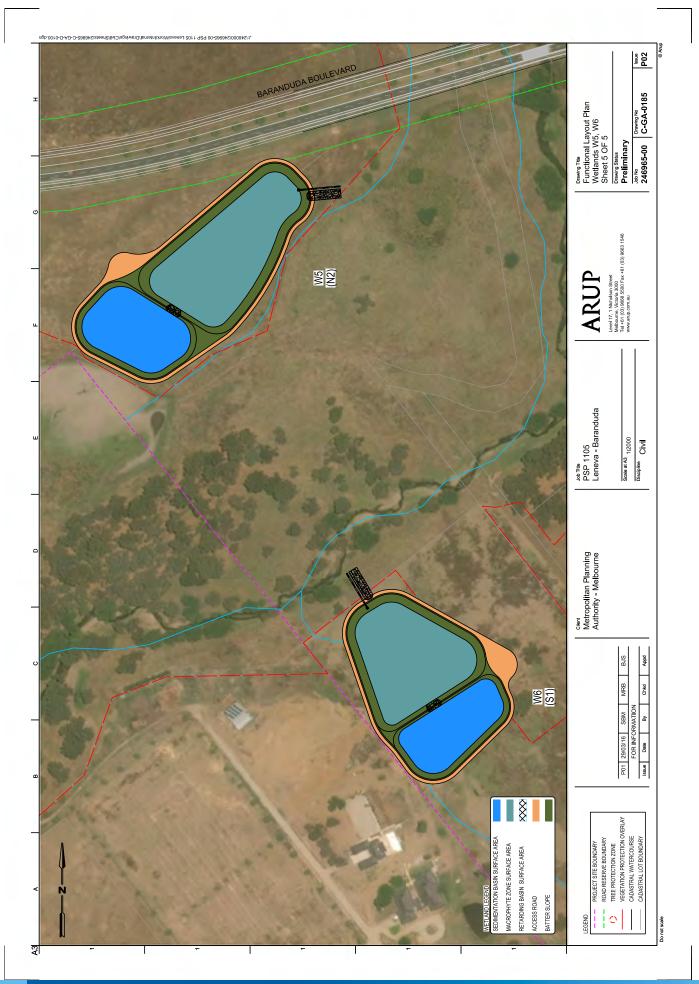
ARUP		Job No. 246965-00	Sheet No.	Rev.
		Element		
Job Title	PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A	
Calculation	Wetland Cost Estimate	Made by	Date 19/12/2016	Chd.

W6 (S1) Constructed Wetland

Areas (sq m)

Total 16918

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE	AM	IOUNT	SL	IBTOTAL
A		Siteworks and Earthworks							\$	910,058
	A1	Preconstruction - General Site Clearance	16,918	m ²	\$	2.00		33,836		
	A2	Stripping site topsoil to stockpile on site (assume	16,918	m ²	\$	5.00	\$	84,590		
	A3	150mm thick) Excavate to subgrade include off-site disposal	24,132	m ³	\$	30.00	\$	723,960		
	AS	Excavate to subgrade include on-site disposal	24,132	m°	φ	30.00	Ф	723,900		
	A4	Cubarada praparation trimming and compaction	16,918	2	\$	4.00	\$	67,672		
	A4	Subgrade preparation, trimming and compaction	10,910	m ²	φ	4.00	Ф	07,072		
В		Drainage Structures							\$	9,900
	B1	Drawndown Drainage Pit (1000 x 750) with overflow	1	No.	\$	5,000.00	\$	5,000	•	0,000
		inlet			*	0,000.00	*	0,000		
	B2	Outlet pipe - RCP 450mm Class 3 RRJ	14	m	\$	350.00	\$	4,900		
С		Access Paths							\$	54,378
	C1	Vehicle access (composite rate)	2,014	m ²	\$	27.00	\$	54,378		
D		Rock Works							\$	70,057
ט	D1		86	m ²	\$	212.00	\$	18,232	Þ	70,057
	5.	Inlet/weir between sediment basin and macrophyte zone	00	m	Ψ	212.00	Ψ	10,202		
	D2	Inlet/weir geoxtile supply and placement	86	m ²	\$	9.00	\$	774		
	D3	Extreme event overflow	231	m ²	\$	212.00	\$	48,972		
	D4	Extreme event overflow geotextile supply and	231	m ²	\$	9.00	\$	2,079		
		placement								
E	E4	Clay Liner	11.011	2		11.00	•	450.004	\$	156,321
	E1	Grassed area (minus verge)	14,211	m ²	\$	11.00	\$	156,321		
F		Signs							\$	5,000
•	F1	Install new signs	1	Item	\$	5,000.00	\$	5,000	Ψ	0,000
					Ì	.,		-,		
G		Aquatic Planting							\$	97,972
	G1	Planting	6,998	m ²	\$	14.00	\$	97,972		
Н		Sub-total Works (A-G)							\$	1,303,686
		Delivery						= 1 = 22		
	l1	Traffic/Environmental Management	5.5	%			\$	71,703		
	12	Survey/Design	5	%			\$	65,184 130,369		
	13 14	Supervision & Project Management Site Establishment	10 2.5	%			\$	32,592		
	15	Contingency	2.5	%	+		\$	260,737		
	16	Council Fees	3.25	%			\$	42,370		
	10	553581	5.25	70	+		<u> </u>	12,010		
J		Sub-total Delivery (I)							\$	602,955
K		PROJECT BUDGET							\$	1,906,641



	Job No.	Sheet No.	Rev.
LARUP	246965-00)	
,	Element	Cost Schedule	
Job Title PSP 1105 Leneva - Baranduda	Drg. Ref.	N/A	
Calculation Wetland Cost Estimate - WBR5	Made by	Date 31/08/2018	Chd.

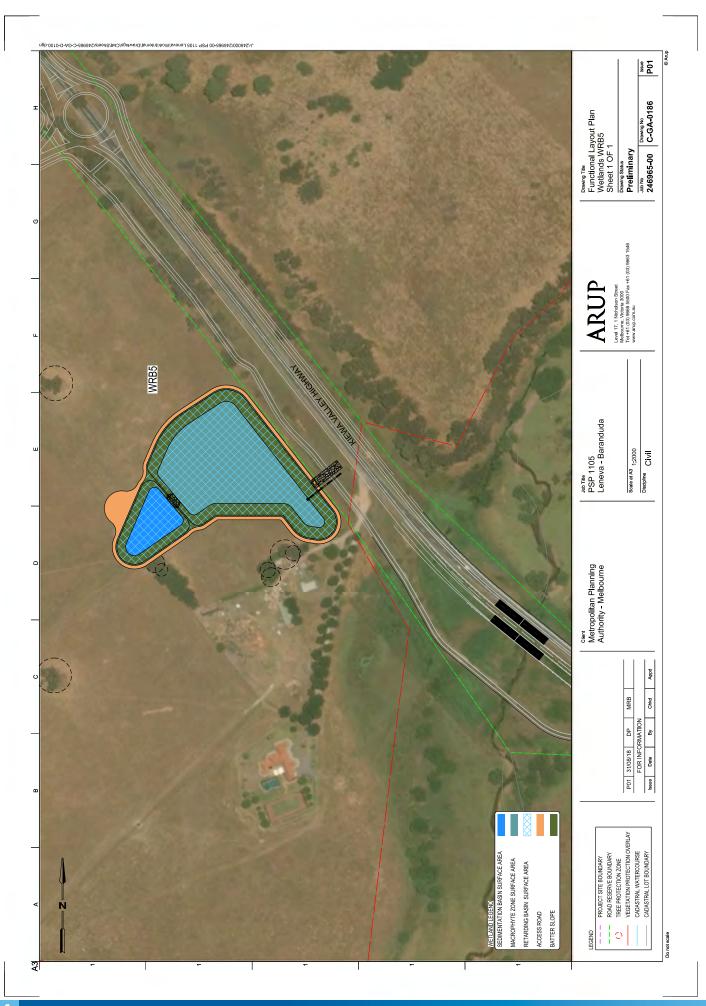
COST ESTIMATE FOR WETLAND / RETARDING BASIN (MIDDLE CREEK NORTH SIDE CATCHMENT)

WRB5 Combined Wetland/Retarding Basin

Areas (sq m)

Fotal 17167

SECTION	ITEM	DESCRIPTION	QUANTITY	UNIT		RATE		AMOUNT	SU	IBTOTAL
A		Siteworks and Earthworks							\$	1,010,927
	A1	Preconstruction - General Site Clearance	17,167	m ²	\$	2.00		34,334		
	A2	Stripping site topsoil to stockpile on site (assume 150mm thick)	17,167	m ²	\$	5.00	\$	85,835		
	A3	Excavate to subgrade include off-site disposal	27,403	m ³	\$	30.00	\$	822,090		
	A4	Subgrade preparation, trimming and compaction	17,167	m²	\$	4.00	\$	68,668		
В		Drainage Structures							\$	18,300
	B1	Drawndown Drainage Pit (1000 x 750) with overflow inlet	1	No.	\$	5,000.00	\$	5,000		
	B2	Outlet pipe - RCP 450mm Class 3 RRJ	38	m	\$	350.00	\$	13,300		
С		Access Paths							\$	59,400
C	C1	Vehicle access	2,200	m ²	\$	27.00	\$	59,400	Ą	55,400
	CI	verlicle access	2,200	m²	a a	27.00	Þ	59,400		
D		Rock Works							\$	70,057
	D1	Inlet/weir between sediment basin and macrophyte zone	86	m ²	\$	212.00	\$	18,232	•	. 0,001
	D2	Inlet/weir geoxtile supply and placement	86	m ²	\$	9.00	\$	774		
	D3	Extreme event overflow	231	m ²	\$	212.00	\$	48,972		
	D4	Extreme event overflow geotextile supply and placement	231	m ²	\$	9.00	\$	2,079		
_										
E		Clay Liner							\$	157,377
	E1	Grassed area (minus verge)	14,307	m ²	\$	11.00	\$	157,377		
F		Signs							\$	5,000
	F1	Install new signs	1	Item	\$	5,000.00	\$	5,000		
G		Aquatic Planting							\$	107,030
G	G1	Planting	7,645	m ²	\$	14.00	\$	107,030	Ą	107,030
	01	i turing	1,040	m	Ψ	14.00	Ψ	107,000		
Н		Sub-total Works (A-G)							\$	1,428,091
		Delivery								
	l1	Traffic/Environmental Management	5.5	%			\$	78,545.01		
	12	Survey/Design	5	%		-	\$	71,404.55		
·	13	Supervision & Project Management	10	%		<u> </u>	\$	142,809.10		
	14	Site Establishment	2.5	%		·	\$	35,702.28		
	15	Contingency	20	%		·	\$	285,618.20		
	16	Council Fees	3.25	%	1		\$	46,412.96		
									•	***
J		Sub-total Delivery (I)							\$	660,492
N		PROJECT BUDGET							\$	2,088,583



Appendix C Glossary of terms

TERM	DEFINITION
Activity centre	Provide the focus for services, employment and social interaction. They are where people shop, work, meet, relax and live. Usually well-serviced by public transport, they range in size and intensity of use.
Affordable housing	Housing that is appropriate for the needs of a range of very low to moderate income households, and priced (whether mortgage repayments or rent) so these households are able to meet their other essential basic living costs.
Arterial road	A higher-order road providing for moderate to high volumes at relatively high speeds. Declared arterial roads are identified under the Road Management Act 2004 and managed by the State Government.
Category 1 Land	Land that is identified in the Leneva Valley and Baranduda Native Vegetation Precinct Plan as containing vegetation that may be removed without a permit subject to the conditions and requirements of the native vegetation precinct plan.
Category 2 Land	Land that is identified in the Leneva Valley and Baranduda Native Vegetation Precinct Plan as containing vegetation that should be retained, but may be removed subject to a planning permit and will require offsets.
Category 3 Land	Refers to areas identified in the Leneva Valley and Baranduda Native Vegetation Precinct Plan to be vested in Council and containing vegetation to be retained and permanently protected to offset native vegetation removed from Category 1 land.
Co-location	Adjoining land uses to enable complementary programs, activities and services as well as shared use of resources and facilities, for example, the co-location of schools and sporting fields.
Community facilities	Infrastructure provided by government or non-government organisations for accommodating a range of community support services, programs and activities. This includes facilities for education and learning (e.g. government and non-government schools, universities, adult learning centres); early years (e.g. preschool, maternal and child health, childcare); health and community services (e.g. hospitals, aged care, doctors, dentists, family and youth services, specialist health services); community (e.g. civic centres, libraries, neighbourhood houses); arts and culture (e.g. galleries, museums, performance space); sport, recreation and leisure (e.g. swimming pools); justice (e.g. law courts); voluntary and faith (e.g. places of worship) and emergency services (e.g. police, fire and ambulance stations).
Connector street	A lower order street providing for low to moderate volumes and moderate speeds linking local streets to the arterial road network and managed by the relevant local council.
Encumbered land	Land that is constrained for development purposes, including easements for power/transmission lines, sewer, gas, waterways/drainage; retarding basins/wetlands; landfill; conservation, protected vegetation and heritage areas. This land may be used for a range of activities (e.g. walking trails, sports fields) and is not credited. However, regard is taken to the availability of encumbered land when determining the open space requirement.
Fire Threat Edge	The interface between urban development and an area which presents a permanent potential for fire to impact on a community.
Frontage	The road alignment at the front of a lot. If a lot abuts two or more roads, the one to which the building, or proposed building faces.
Gross Developable Area	Total precinct area excluding encumbered land, arterial roads and other roads with four or more lanes.
High density housing	Housing with an average density of more than 30 dwellings per net developable hectare.
Housing density (gross)	The number of houses divided by gross developable area.
Housing density (net)	The number of houses divided by net developable area.
Infrastructure Design Manual (IDM)	Design manual of standardised engineering and landscape works specifications and is a living document. The IDM documents Council's requirements for the design and development of Infrastructure that is or will become Council's Infrastructure and ensures that a minimum design criteria are met in regard to the design and construction of Infrastructure within the Wodonga municipality regardless of whether it is constructed by Council or a developer.
Linear open space network	Corridors of open space, mainly along waterways that link together forming a network.
Land use budget table	A table setting out the total precinct area, gross developable area, net developable area and constituent land uses proposed within the precinct.
Local centre	An activity centre smaller than a neighbourhood activity centre which may include a small limited line supermarket or convenience store of between 599 square metres and 1,500 square metres, plus non-retail uses.
Lot	A part (consisting of one or more pieces) of any land (except a road, a reserve, or common property) shown on a plan, which can be disposed of separately and includes a unit or accessor unit on a registered plan of strata subdivision and a lot or accessory lot on a registered cluster plan.
Lower density housing	Housing with an average density of less than 10 dwellings per net developable hectare
Main street	A function of an activity centre, where vitality and activity are created by orienting uses towards the street and ensuring that the primary address of all retail stores is the street. This would normally be a connector street rather than an arterial road.

TERM	DEFINITION
Medium density housing	Housing with an average density of 18 to 30 dwellings per net developable hectare.
Native vegetation	Plants that are indigenous to Victoria, including trees, shrubs, herbs and grasses.
Native vegetation precinct plan	A plan, as specified in Clause 52.16 of the Wodonga Planning Scheme, relating to native vegetation within a defined area that may form part of the precinct structure plan. Native vegetation precinct plans are incorporated into local planning schemes and listed in the schedule to Clause 52.16. A native vegetation precinct plan can form part of a precinct structure plan.
Neighbourhood activity centre	Activity centres that are an important community focal point and have a mix of uses to meet local needs. Accessible to a viable user population by walking, cycling and by local bus services and public transport links to one or more principal or major activity centres. This should be sufficient size to accommodate a supermarket.
Net developable area	Land within a precinct available for development. This excludes encumbered land, arterial roads, railway corridors, government schools and community facilities and public open space. It includes lots, local streets and connector streets. Net Developable Area may be expressed in terms of hectare units (i.e. NDHa).
Passive open space	Open space that is set aside for parks, gardens, linear corridors, conservation bushlands, nature reserves, public squares and community gardens that are made available for passive recreation, play and unstructured physical activity including walking, cycling, hiking, revitalisation, contemplation and enjoying nature.
Precinct infrastructure plan	Section within the precinct structure plan that defines the priority regional and local infrastructure requirements of future planning and investment by council and government agencies.
Precinct structure plan	A statutory document that describes how a precinct or series of sites within a growth area will be developed over time. A precinct structure plan sets out the broad environmental, social and economic parameters for the use and development of land within the precinct.
Principal public transport network	A high-quality public transport network that connects activity centres.
Public open space	Land that is set aside in the precinct structure plan for public recreation that incorporates active and passive open space.
Small office home office (SOHO)	A small office, which would usually include a home, where the business is too large to be accommodated within a standard home, perhaps because of parking or storage requirements. Normally employs up to 10 staff.
Social housing	A type of rental housing that is provided and/or managed by the government or by a not-for-profit organisation. Social housing is an overarching term that covers both public housing and community housing.
Sensitive response	A design or engineered response that does not significantly contrast with the existing landform.
Unencumbered	Land that is not constrained by uses required to enable development (including easements for power/transmission lines, sewer, gas, waterways/drainage: retarding basins/wetlands; landfill; conservation protection vegetation and heritage areas).
Urban growth zone	Statutory zone that applies to land that has been identified for future urban development. The UGZ has four purposes: (1) to manage transition of non-urban land into urban land; (2) to encourage development of well-planned and well-served new urban communities in accordance with an overall plan; (3) to reduce the number of development approvals needed in areas where an agreed plan is in place; and (4) to safeguard non-urban land from use and development that could prejudice its future urban development.
Waterway	Rivers, tributaries, drainage lines and an existing route that water travels along.
Water sensitive urban design	A sustainable water management approach that aims to provide water-quality, flood management and green landscapes. Key principles include minimising water resistant areas; recharging natural groundwater aquifers (where appropriate) by increasing the amount of rain absorbed into the ground; encouraging onsite reuse of rain and incorporation of rain gardens' encouraging onsite treatment to improve water quality and remove pollution, and using temporary rainfall storage (regarding basins/wetlands) to reduce the load on drains.
Wodonga Retained Environment Network (WREN)	The Wodonga Retained Environment Network – A Threatened Species and Habitat Conservation Strategy was prepared in 2006 for the Albury-Wodonga Corporation and City of Wodonga. An ecological study across Leneva and Baranduda, the strategy set out a vision for the network of reserves, protected areas and developable land that was the basis for the Leneva Valley and Baranduda Native Vegetation Precinct Plan. The areas reserved in accordance with these two documents are commonly referred to as 'WREN reserves'.

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