## **Shepparton North East**

## Development Contributions Plan

February July 2018









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The following table Table 1 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.

Table 1: Summary of charges

SUMMARY: NET DEVELOPABLE AREA (NDA) BY CHARGE AREA								
CHARGE AREA	TOTAL COST OF CONTRIBUTION	NET DEVELOPABLE HECTARES WITHIN MCA	CONTRIBUTION PER NET DEVELOPABLE HECTARE (NDHA)					
Residential	\$25,630,988\$38,319, 360	<u>146.51</u> <del>144.83</del>	<u>\$174,944</u> \$ <del>264,588</del>					

SUMMARY: DEVELOPMENT INFRASTRUCTURE LEVY (APPORTIONED TO MCA)						
PROJECTS	TOTAL COST OF PROJECTS	CONTRIBUTION PER NET DEVELOPABLE HECTARE (NDHA)				
RESIDENTIAL						
Transport	<u>\$6,805,953</u> \$ <del>9,324,659</del>	<u>\$46,454</u> \$64, <del>385</del>				
Community facilities	\$3,975,440\$728,699	<u>\$27,134</u> \$5,032				
Open space	<u>\$5,401,000</u> \$ <del>8,522,235</del>	<u>\$36,865</u> \$ <del>58,844</del>				
Drainage	<u>\$9,211,355</u> \$ <del>19,536,727</del>	<u>\$62,872</u> \$134,898				
Strategic planning	<u>\$237,240</u> \$ <del>207,0</del> 40	<u>\$1,619</u> \$ <del>1,430</del>				
TOTAL	<u>\$25,630,988</u> \$ <del>38,319,360</del>	<u>\$174,944</u> \$ <del>264,588</del>				

SUMMARY: BREAKDOWN OF DEVELOPMENT INFRASTRUCTURE LEVY (APPORTIONED TO MCA)							
PROJECTS	TOTAL COST OF PROJECTS	CONTRIBUTION PER NET DEVELOPABLE HECTARE (NDHA)					
RESIDENTIAL							
Land	<u>\$3,394,000</u> \$ <del>4,095,761</del>	<u>\$23,103</u> \$ <del>28,280</del>					
Construction	<u>\$21,999,748</u> \$ <del>34,016,559</del>	<u>\$149,750</u> \$ <del>234,878</del>					
Strategic planning	<u>\$237,240</u> \$ <del>207,040</del>	<u>\$1,619</u> \$1,430					
TOTAL	<u>\$25,630,988</u> \$ <del>38,319,360</del>	<u>\$174,944\$264,588</u>					

SUMMARY: COMMUNITY INFRASTRUCTURE LEVY						
	ESTIMATED DWELLINGS	ESTIMATED TOTAL  CONTRIBUTION				
CAPPED AT \$1,150 PER DWELLING	<u>1,4651,448</u>	<u>\$1,684,750</u> \$ <del>1,476,271</del>				

SUMMARY: TOTAL ESTIMATED PROJECT COST AGAINST LEVIES COLLECTED							
LEVY	TOTAL COST OF PROJECTS	TOTAL COLLECTED VIA LEVIES	PERCENTAGE TOTAL COLLECTED BY LEVIES				
Development infrastructure levy	\$25,630,988\$38,31 9,360	\$25,630,988\$\$38,31 9,360	100%				
Community infrastructure levy	\$1,684,750\$1,476 <del>,</del> 271	\$1,684,750\$1,476, 271	100%				
TOTAL	\$27,315,738\$\$39,795 ,631	\$27,315,738\$39,795 ,631	100%				

## 1 INTRODUCTION

The Shepparton North East Development Contributions Plan ("the DCP") has been prepared by the Victorian Planning Authority (VPA) in partnership with Greater Shepparton City Council and with the assistance of government agencies, service authorities and major stakeholders.

#### The DCP:

- Outlines projects required to ensure that future residents, visitors and workers in the precinct 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 identified infrastructure projects
- Ensures that the cost of providing new infrastructure and services is shared equitably between various development proponents and the wider community
- Provides the details of the calculation of financial contributions that must be made by future developments towards the nominated projects
- Provides developers, investors and the local community with certainty about development contribution requirements and how these will be administered.

The DCP document comprises five parts:

#### PART 1 - STRATEGIC BASIS

Part 1 clearly explains the strategic basis for the DCP.

#### PART 2 – JUSTIFICATION

Part 2 provides justification for the various infrastructure projects included in the DCP.

#### 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 DCP.

#### PART 5 - IMPLEMENTATION

Part 5 focuses on implementation of the DCP.

The strategic basis for the DCP is informed by:

- State and Local Planning Policy Framework as set out in the Greater Shepparton Planning Scheme
- Precinct Structure Planning Guidelines (Growth Areas Authority, 2008)
- Infrastructure Design Manual (Local Government Infrastructure Design Association, 2017)
- Shepparton North East Precinct Structure Plan and supporting documents.

These documents set out a broad, long term vision for the sustainable development of the precinct and its surrounds.



## 1.1 Planning and Environment Act 1987

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

The DCP provides for the charging of a Development Linfrastructure Lievy (DIL) pursuant to section 46J(a) of the Act towards works, services and facilities. It also provides for the charging of a Ceommunity Linfrastructure Lievy (CIL) pursuant to section 46J(b) of the Act as some items are classified as community infrastructure by reference to the Act, the Ministerial Direction on development contributions plans and the Development Contributions Plan Guidelines.

The DCP forms part of the Greater Shepparton Planning Scheme pursuant to section 46l of the Act and is an incorporated document under Clause 81 of the Greater Shepparton Planning Scheme. The DCP is implemented in the Greater Shepparton Planning Scheme through Schedule 4 to the Development Contributions Plan Overlay (DCPO4) that applies to the 'DCP area' illustrated on Plan 2.

## 1.2 Shepparton North East Precinct Structure Plan

Shepparton has been experiencing and planning for urban growth for many years. The *Greater Shepparton 2030 Strategy (2006)* describes the long-term population growth forecasts and sets a strategic direction for where new houses for this increased population will be most appropriately delivered; this direction was reviewed and further refined through the preparation of the *Shepparton North East Precinct Structure Plan (PSP)*.

The PSP identifies approximately 177 hectares of land for urban development as illustrated on Plan 2. The PSP sets out the vision for how land should be developed, describes the objectives to be achieved by the future development and outlines projects required to support the future community.

The need for the infrastructure set out in the DCP has been determined according to the anticipated development scenario for Shepparton North East as described in the PSP.

The DCP has a strong relationship to the PSP, as the PSP provides the rationale and justification for infrastructure items that have been included within the DCP.

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 PSP has been developed following a comprehensive planning process which establishes the future direction of development within the precinct.

## 1.3 The area to which the Development Contributions Plan applies

In accordance with section 46K(1)(a) of the Act, the DCP applies to land illustrated on Plan 2; this area is known as the main catchment area (MCA). The area is also shown on identified as DCPO4 in the Greater Shepparton Planning Scheme.

In identifying infrastructure items for delivery, consideration has been given to ensure they are not already wholly funded through another contribution mechanism, such as a mandatory infrastructure construction requirements, an existing local DCP, an agreement under Section 173 of the Act, or as a condition on an existing planning permit.

# 1.4 Infrastructure items included in the Development Contributions Plan

The need for infrastructure included in the DCP has been determined on the basis of the development scenario as described in the PSP and its supporting documents.

Items can be included in a DCP if the proposed development of an area is likely to create the need for infrastructure by its future community. New development does not have to trigger the need for new items in its own right. Furthermore, 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 items have been assessed to ensure they have a relationship or nexus to proposed development in the PSP. The cost apportionment methodology adopted in the DCP relies on the nexus principle. A new development is deemed to have a nexus with an item if it is expected to make use of that item.

The items that have been included in the DCP all have the following characteristics; namely that they:

- · Are essential to the health, safety and wellbeing of the community
- Will be used by a broad cross-section of the community
- Reflect the vision and strategic aspirations expressed in the PSP
- Are not recurrent items
- Are the basis for the future development of an integrated network.

# 1.5 Items not included in the Development Contributions Plan (developer works)

The following items are not included in the DCP; they must be provided by developers as a matter of course and/or pursuant to agreements with servicing agencies in implementing the PSP:

- · Connector streets and local streets, except those included in the DCP
- Intersection works and traffic management measures along arterial roads, connector streets and local streets (except those included in the DCP)
- Local bus stop infrastructure (where locations have been agreed in writing by Public Transport Victoria)
- Landscaping of all existing and future roads and local streets
- Local shared, pedestrian and bicycle paths along local streets, connector streets, utilities easements, waterways and within local parks including bridges, intersections, and barrier crossing points (except those included in the DCP)
- Council-approved fencing and landscaping along arterial roads, the railway corridor and shared paths, as required
- Bicycle parking
- Appropriately scaled lighting along all roads, major shared and pedestrian paths, and traversing the open space network
- Local street or path crossings of waterways, unless included in the DCP or outlined as the responsibility
   of an agency in the PSP
- Infrastructure as required by utility services providers, including water, sewerage, electricity, gas and telecommunications.

The items listed above are considered to be normal to the construction of a development and are not considered to warrant cost sharing arrangements beyond those set out in the DCP.

They may be further addressed and defined by an agreement under section 173 of the Act and/or conditions in planning permits.

Upgrade of the existing adjoining road network to an urban standard will be implemented through subdivision permit conditions to the satisfaction of the responsible authority, except where specified as a DCP project.

## 1.6 Related infrastructure agreements

A number of additional infrastructure agreements may relate to the precinct area. These include the Greater Shepparton City Council Development Contributions Plan Levy, associated Section 173 agreements of the Planning and Environment Act 1987 that have been entered into and relevant capital works programs.



## 2 INFRASTRUCTURE PROJECT JUSTIFICATION

## 2.1 Project identification

The DCP uses a project identification system of project category and sequential number in its tables and plans.

The following types of projects are included in the DCP:

- Transport projects
  - RD Roads
  - o IT Intersections
  - o BR Bridges & culverts
- · Community facility projects
  - CI Community facilities
- Open space projects
  - o OS Open space
- Drainage projects
  - o RB Retarding basins & piped drains

## **2.1.1** Transport projects

The PSP outlines an expanded urban structure intended to support the future residential growth of Shepparton North East, including connector streets, and local streets on a grid adjusted to meet the existing constraints of the area.

Where the precinct requires a new or upgraded intersection with the existing road network, the costs associated with that intersection have been included in the DCP.

Typically, arterial road widening and carriageway upgrades or construction are included in a DCP; however, a traffic impact assessment report (Traffic Works Pty Ltd, September 2014) undertaken as part of the preparation of the PSP indicates that additional capacity is not required on the arterial road network and upgrade projects have not been included in the DCP.

While the delivery of the connector street network would typically be considered developer works (and not funded via a DCP), the DCP will make a contribution to the total funds needed available to ensure that the connector street network can be efficiently and equitably delivered. The fragmented nature of land parcels in the precinct means that without the DCP delivering a portion of the connector street network the cost of infrastructure delivery would be inequitably borne by some developers.

The DCP will make funds available for the construction of a pedestrian bridge for a shared path crossing over Goulburn–Murray Water Drain 3 on the east side of Verney Road. The path extension is required to connect the new residential area to the existing shared path network.

The transport projects include:

- Construction of controlled intersections with the existing road network bordering the precinct and associated works including bridge or culvert works across waterways
- Connections between the new development and the existing shared-path network
- Road construction listed in the DCP and consistent with the relevant cross-sections outlined in the PSP.

These projects are shown in Plan 3 and described in Table 2.

Table 2: Transport projects

	Table 2: Transport projects				
DCP PROJECT ID	PROJECT TITLE & DESCRIPTION	MCA CONTRIBUTING	HECTARES CONTRIBUTING	INDICATIVE PROVISION TRIGGER	SUITABLE FOR POTENTIAL WORKS-IN- KIND DELIVERY
ROADS					
RD-01	Ryeland Drive (West): Boulevard connector street Construction of a 2-lane boulevard connector street and roundabout (ultimate standard contribution only). Additional purchase of land (68 metre width) to facilitate construction within a 3034 metre road reserve (ultimate standard contribution only).	Residential	<u>146.51</u> 144.83	As required by traffic/access demand.	Yes
RD-02	Pine Road: Boulevard connector street Construction of a 2-lane boulevard connector street and roundabout (ultimate standard contribution only). Additional purchase of land ( <u>68</u> metre width) to facilitate construction within a <u>3034</u> metre road reserve (ultimate standard contribution only).	Residential	<u>146.51</u> <del>144.83</del>	As required by traffic/access demand.	Yes
RD-03	Ryeland Drive (East): Boulevard connector street Construction of a 2-lane boulevard connector street and roundabout (ultimate standard contribution only). Additional purchase of land (68 metre width) to facilitate construction within a 3034 metre road reserve (ultimate standard contribution only).	Residential	<u>146.51</u> 144.83	As required by traffic/access demand.	Yes
RD-04	Ford Road: Widening Purchase of land to facilitate the widening of the existing Ford Road reserve to the south.	Residential	144.83	As required by traffic/access demand.	Yes
INTERSECT	IONS				
IN-01	Ryeland Drive and Verney Road (Access A): Purchase of land for intersection and construction of 4-way signalised intersection (ultimate standard).	Residential	<u>146.51</u> 144.83	As required by traffic/access demand.	Yes
IN-02	Pine Road and Verney Road (Access D): Purchase of land for intersection and construction of 4-way signalised intersection (ultimate standard).	Residential	<u>146.51</u> 144.83	As required by traffic/access demand.	Yes
IN-03	Ryeland Drive and Grahamvale Road (Access C): Purchase of land for intersection and construction of 4-way signalised intersection (ultimate standard).	Residential	<u>146.51</u> 144.83	As required by traffic/access demand.	Yes

F	DCP PROJECT ID	PROJECT TITLE & DESCRIPTION	MCA CONTRIBUTING	HECTARES CONTRIBUTING	INDICATIVE PROVISION TRIGGER	SUITABLE FOR POTENTIAL WORKS-IN- KIND DELIVERY
	IN-04	Ford Road and north-south key local access street (Access B): Purchase of land for intersection and construction of arterial to local access street T-intersection (ultimate standard).	Residential	144.83	As required by traffic/access demand.	Yes
R	RIDGES					
	BR-01	Shared path bridge Construction of a shared path bridge over G-MW Drain 3 at Verney Road (east side) adjacent to the precinct boundary (ultimate standard).	Residential-& Employment	<u>146.51</u> 144.83	As required by traffic/access demand.	Yes



### 2.1.2 Community facility projects

The community facility projects are based on the Social Infrastructure Assessment Review (Greater Shepparton City Council, 2012). completed by Greater Shepparton City Council in 2012.

The community facility projects include:

 Land and construction of a Level 1 community centre incorporating a community room and space for a double kindergarten.

The detailed design and scope of <u>each-the</u> community facility project will be reviewed by Council closer to the time of construction.

In reviewing the scope of the facility, Council 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 facility to respond to these matters.

In adjusting and refining any final project scope Council will ensure that at least the same total cost of the project item (as indexed from time to time) is invested into the community facility projects proposed.

The community facility projects funded by the DCP are shown on Plan 4 and described in Table 3.

Table 3: Community facility projects

	, ,, ,,				
DCP PROJECT ID	PROJECT TITLE & DESCRIPTION	MCA CONTRIBUTING	HECTARES CONTRIBUTING	INDICATIVE PROVISION TRIGGER	SUITABLE FOR POTENTIAL WORKS-IN-KIND DELIVERY
CI-01	Shepparton North East community centre Land purchase for a multi-purpose community centre (Level 1) located on Verney Road.	Residential	<u>146.51</u> 144.83	Land purchase to occur upon subdivision	Yes
CI-02	Shepparton North East community centre Construction of the maternal and child health components of a multi-purpose community centre (Level 1) located on Verney Road.	Residential	<u>146.51</u> 444.83	Facility to be constructed when population growth creates the need	Yes

## 2.1.3 Open space projects

The open space projects are based on the *Shepparton North East Growth Corridor PSP Open Space Review* (@Leisure Planners Pty Ltd, 2012).

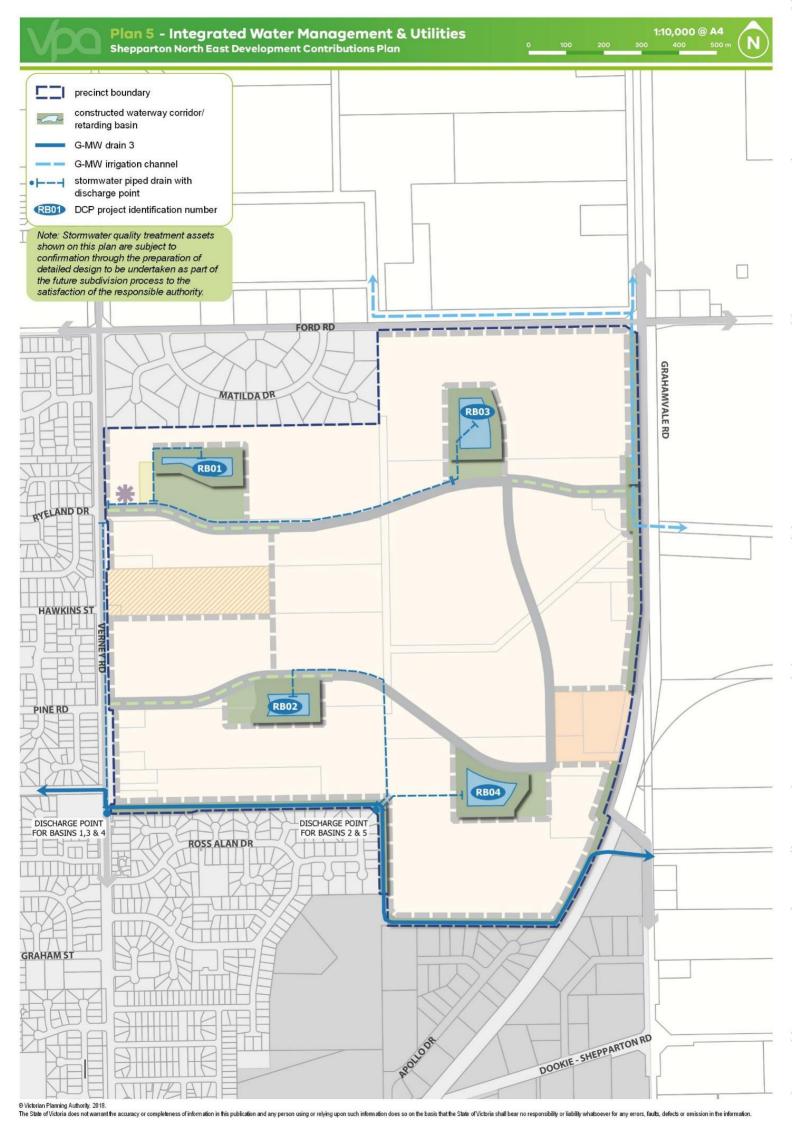
The open space projects include:

- Land and embellishment of open space for one district park
- Land and embellishment of open space for four three local parks.

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

Table 4: Open space facilities

DCP PROJECT ID	PROJECT TITLE & DESCRIPTION	MCA CONTRIBUTING	HECTARES CONTRIBUTING	INDICATIVE PROVISION TRIGGER	SUITABLE FOR POTENTIAL WORKS-IN-KIND DELIVERY
OS-01	District park  North-west park adjoining the Local Convenience Centre and linked to RB- 01. Purchase of land and construction of park (ultimate standard).	Residential	<u>146.51</u> 144.83	Facility to be constructed when population growth creates the need	Yes
OS-02	Local park South-west park adjoining RB-02. Purchase of land and construction of park (ultimate standard).	Residential	<u>146.51</u> 144.83	Facility to be constructed when population growth creates the need	Yes
OS-03	Local park North-east park adjoining RB-03. Purchase of land and construction of park (ultimate standard).	Residential	<u>146.51</u> 144.83	Facility to be constructed when population growth creates the need	Yes
OS-04	Local park East park adjoining RB-04. Purchase of land and construction of park (ultimate standard).	Residential	144.83	Facility to be constructed when population growth creates the need	¥es
0S-05 <u>OS-</u> 04	Local park: South-east park adjoining RB-05RB-04. Purchase of land and construction of park (ultimate standard).	Residential	<u>146.51</u> 144.83	Facility to be constructed when population growth creates the need	Yes



## 2.1.4 Drainage projects

The DCP makes funding available for the construction of all necessary drainage infrastructure. The DCP only makes an allowance for the acquisition of land for drainage infrastructure where the land required would be otherwise unencumbered. Waterway corridors identified in the DCP are encumbered land and represent the minimum width when a suitable frontage road is provided.

The drainage infrastructure has been identified through hydraulic modelling undertaken as part of a <u>Drainage Strategy Peer Review (Spiire, 2018)</u>. drainage strategy prepared by Reeds Consulting Pty Ltd (September 2012).

The drainage infrastructure is required to appropriately retard and treat stormwater flows from new urban development, in accordance with best practice principles and prior to discharge into rural areas at predevelopment rates to the satisfaction of Goulburn–Murray Water.

The drainage projects include:

- Land for and construction of retarding basins and wetlands
- Channel works
- · A legal point of discharge for each parcel within the precinct
- · Piped drains.

Table 5: Drainage projects

DCP PROJECT ID	PROJECT TITLE & DESCRIPTION	MCA CONTRIBUTING	HECTARES CONTRIBUTING	INDICATIVE PROVISION TRIGGER	SUITABLE FOR POTENTIAL WORKS-IN-KIND DELIVERY
RB-01	North-west retarding basin adjoining OS-01. Purchase of land and construction of retarding basin and construction of piped drains connecting retarding basin to discharge point at Drain No.3 (ultimate standard).	Residential	<u>146.51</u> 144.83	Facility to be constructed when population growth creates the need	Yes
RB-02	South-west retarding basin adjoining OS-02. Purchase of land and construction of retarding basin and construction of piped drains connecting retarding basin to discharge point at Drain No.3 (ultimate standard).	Residential	<u>146.51</u> 144.83	Facility to be constructed when population growth creates the need	Yes
RB-03	North-east retarding basin adjoining OS-03. Purchase of land and construction of retarding basin and construction of piped drains connecting retarding basin to discharge point at Drain No.3 (ultimate standard).	Residential	<u>146.51</u> 144.83	Facility to be constructed when population growth creates the need	Yes
RB-04	East retarding basin adjoining OS-04. Purchase of land and construction of retarding basin and construction of piped drains connecting retarding basin to discharge point at Drain No.3 (ultimate standard).	Residential	144.83	Facility to be constructed when population growth creates the need	Yes

RB-0 <u>4</u> 5	South-east retarding basin adjoining OS-045. Purchase of land and construction of retarding basin and construction of piped drains connecting retarding basin to discharge point at Drain No.3 (ultimate standard).	Residential	146.51144.83	Facility to be constructed when population growth creates the need	Yes
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## 2.2 Project timing

Each item in the DCP has an assumed indicative provision trigger specified in Tables 2–5. The timing of the provision and the items in the DCP are consistent with information available at the time the DCP was prepared.

Greater Shepparton City Council is the development agency as well as the collecting agency, and will monitor and assess the required timing for individual items and have regard to its capital works program.

The collecting agency may consider 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
- Community needs determine the delivery of works or land for community facilities, sports reserves and open space.

All items in the DCP will be provided as soon as is practicable and as soon as sufficient contributions are available, consistent with Section 4.1 and acknowledging the development agency's capacities to provide the balance of funds not recovered by the DCP.

## 2.3 Distinction between development and community infrastructure

In accordance with the *Planning and Environment Act 1987* and the Ministerial Direction on development contributions plans, the DCP makes a distinction between 'development' and 'community' infrastructure.

The timing of payment of contributions is linked to the type of infrastructure in question.

The community infrastructure levy contributions are made by the home builder at the time of building approval (unless an alternative time is agreed between the Council and a development proponent). Community infrastructure levy contributions will be paid for at a 'per-dwelling' rate.

The Act currently stipulates that the amount that may be contributed under a community infrastructure levy is no more than \$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 amended, then the levy applicable to the release of the remaining dwellings may be adjusted in accordance with the revised legislative and regulatory approach as directed by the Minister for Planning.

All other infrastructure projects are classified as development infrastructure projects.

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 of buildings and works (refer to Section 4.1).

Table 6: Summary land use budget

DESCRIPTION	PSP SHEPPARTON NORTH EAST				
DESCRIPTION	HECTARES	% OF TOTAL	% OF NDA		
TOTAL PRECINCT AREA	176.87				
TRANSPORT					
Future Arterial Road (including widening and intersection flaring DCP land)	0.27	0.15%	0.19%		
Future Road and Intersection (DCP land)	<u>1.52</u> 1.86	<u>0.86</u> 1.05%	<u>1.04</u> 1.28%		
Sub-total Transport	<u>1.522.13</u>	<u>0.90</u> 1.2%	<u>1.04</u> 1.47%		
COMMUNITY & EDUCATION					
Existing & Potential Expansion Government School	3.56	2.01%	<u>2.43</u> 2.46%		
Existing & Potential Expansion Non-Government School	5.35	3.03%	<u>3.65</u> 3.70%		
Local Community Facility (DCP land)	0.40	0.23%	<u>0.27</u> 0.28%		
Sub-total Community & Education	9.31	5.3%	6.4%		
OPEN SPACE					
SERVICE OPEN SPACE					
Waterway and Drainage Reserve	<u>6.08</u> 6.07	<u>3.44</u> 3.43%	<u>4.15</u> 4.19%		
Waterway and Drainage Reserve (DCP land)	9.128.41	<u>5.16</u> 4.76%	<u>6.23</u> 5.81%		
Sub-total Service Open Space	<u>15.20</u> 14.48	<u>8.60</u> 8.19%	10.3810.00 %		
CREDITED OPEN SPACE					
District/Local Park (DCP land)	<u>4.33</u> 6.12	<u>2.40</u> 3.5%	<u>2.95</u> 4.23%		
Sub-total Credited Open Space	<u>4.33</u> 6.12	<u>2.40</u> 3.5%	<u>2.95</u> 4.23%		
Total All Open Space	<u>19.53</u> 20.60	<u>11.00</u> 11.6%	<u>13.33</u> 14.23 %		
NET DEVELOPABLE AREA - RESIDENTIAL (NDAR)	<u>146.51</u> 144.83	<u>82.83</u> 81.88%			
TOTAL NET DEVELOPABLE AREA (NDA)	<u>146.51</u> 144.83	82.8381.88%			

## 3 CALCULATION OF CONTRIBUTIONS

## 3.1 Calculation of Net Developable Area and demand units

The following section sets out how the net developable area (NDA) is calculated and outlines the development projections anticipated in the precinct.

### 3.1.1 Net developable area

In the DCP, all development infrastructure contributions are payable on the net developable area of land on any given development site. Calculations of NDA for each individual property is outlined in the property-specific land budget included at Appendix A.

For the purposes of the DCP the NDA is defined as the total amount of land within the precinct that is made available for development. It is the total precinct area minus community facilities, educational facilities, open space and encumbered land. NDA includes any land for lots housing and employment buildings, all local streets (including some connector streets), and any small parks defined at subdivision stage that are in addition to those outlined in the PSP.

The NDA for the DCP is outlined in Table 6. The contributions 'per net developable hectare' must not and will not be amended to respond to minor changes to the land budget that may result from the subdivision process. In other words, the DCP is permanently linked to the calculation of the NDA set out in Appendix A.

The NDA may only change if the collecting agency agrees to a variation to the summary land use budget (Table 6) and the detailed property-specific land budget (Appendix A) and associated tables.

## 3.1.2 Land budget & demand units

The 'net developable hectare' is the demand unit for the DCP.

'Residential' development is defined broadly to include forms of development that support a residential land use, including residential subdivision and development within the local convenience centre.

'Residential' development also includes any non-residential uses within the residential area such as a place of worship, education centre, retirement village, nursing home, child care centre, medical centre, convenience store or any other approved use.

The DCP contains a total of <u>146.51144.83</u> net developable hectares.

## 3.2 Calculation of contributions charges

## 3.2.1 Calculation of costs

Each infrastructure project has been assigned a land and/or construction cost, as listed in Table 6. The costs are expressed in 20182017 dollars and will be adjusted annually in accordance with the method specified in Section 4.3.

Road and intersection construction costs have been determined by <u>Trafficworks Pty Ltd</u> <u>Civil Design Consulting Engineers Pty Ltd</u> (refer to Appendix B for road, intersection and bridge cost sheets).

Intersection and bridge construction costs have been determined by Civil Design Consulting Engineers Pty Ltd (refer to Appendix B for intersection cost sheets)

Community facilities costs have been determined by <u>PlancostProwse Quantity Surveyors Pty Ltd</u> (refer to Appendix B for community facilities cost sheets).

Open space project costs have been determined by Wilde and Woollard Quantity Surveyors Pty LtdPlancost (refer to Appendix B for open space cost sheets).

Drainage Basin 1 and piped drain costs have been determined by Reeds Consulting Pty LtdSpiire (refer to Appendix B for drainage and water treatment cost sheets). These costs were used on a pro rata basis to calculate the cost for the other four basins and piped drains connecting with discharge points at drain No. 3.

#### 3.2.2 Estimate of land value

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 precinct land area was provided to a registered valuer who then prepared a valuation to determine a 'broad-hectare' value for the entire precinct. To ensure a fair compensation for each affected land owner this value has then been used to calculate the cost of the land component for all relevant projects included in the DCP.

## 3.2.3 DCP & PSP preparation

In addition to the items described above, the costs incurred by Council in preparing the DCP and PSP have also been included as a project. Costs incurred include fees for the preparation of concept designs and cost estimates.

#### 3.2.4 Main catchment area

The main catchment area (MCA) is the geographic area from which a given item of infrastructure will draw most of its use.

The DCP includes one main catchment area, which is the same as the precinct area and illustrated in Plan

It is important to note that the number of net developable hectares (that is the demand units) in the MCA is based on the land budgets in Table 6 and Appendix A.

## 3.2.5 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 the DCP.

Table 7: Calculation of costs – development infrastructure levy (DIL)

DCP PROJECT ID & INFRASTRUCTURE CATEGORY	PROJECT TITLE & DESCRIPTION	LAND AREA (HA)	ESTIMATED PROJECT COST: LAND	ESTIMATED PROJECT COST: CONSTRUCTION	TOTAL ESTIMATED PROJECT COST: LAND & CONSTRUCTION	% APPORTIONED TO DCP (INTERNAL USE)	TOTAL COST RECOVERED BY DCP	RESIDENTIAL - CONTRIBUTION PER NDHA
TRANSPORT PROJE	стѕ							
ROADS								
RD-01 Development	Ryeland Drive (West): Boulevard connector street Construction of a 2-lane boulevard connector street and roundabout (ultimate standard contribution only). Additional purchase of land (68 metre width) to facilitate construction within a 3034 metre road reserve (ultimate standard contribution only).	<u>0.25</u> 0.33	\$50,000\$7 8,125	\$585,227\$23 9,143	\$635,227\$34 7,268	100%	\$635,227\$ 317,268	<u>\$4,336</u> \$ <del>2,191</del>
RD-02 Development	Pine Road: Boulevard connector street  Construction of a 2-lane boulevard connector street and roundabout (ultimate standard contribution only).  Additional purchase of land (68 metre width) to facilitate construction within a 304 metre road reserve (ultimate standard contribution only).	<u>0.32</u> <del>0.57</del>	\$64,000\$1 36,649	\$230,47 <u>9</u> \$32 9,946	\$294,47 <u>9</u> \$46 6,595	100%	\$294,47 <u>9</u> \$ 466,595	<u>\$2,010</u> \$ <del>3,222</del>
RD-03 Development	Ryeland Drive (East): Boulevard connector street Construction of a 2-lane boulevard connector street and roundabout (ultimate standard contribution only). Additional purchase of land (68-metre width) to facilitate construction within a 3034-metre road reserve (ultimate standard contribution only).	<u>0.22</u> <del>0.1</del> 4	\$44,000\$3 2,659	\$585,227\$37 7,264	\$629,227\$40 9,923	100%	\$629,227\$ 409,923	\$4,295\$2,830
RD-04 Land	Ford Road: Widening Purchase of land to facilitate the widening of the existing Ford Road reserve to the south.	<del>0.27</del>	<del>\$64,913</del>	-	<del>\$64,913</del>	<del>100%</del>	<del>\$64,913</del>	-\$448
ROADS SUBTOTAL		<u>0.791.30</u>	\$158,000\$ 312,346	\$1,400,933\$ 946,353	\$1,558,933\$1, 258,698		\$1,558,933 \$1,258,698	<u>\$10,641</u> \$ <del>8,69</del>
INTERSECTIONS								
IN-01 Development	Ryeland Drive and Verney Road (Access A): Purchase of land for intersection and construction of 4-way signalised intersection (ultimate standard).	<u>0.240.28</u>	\$48,000\$6 7,246	\$1,254,718\$1 ,724,484	\$1,302,718\$1 ,791,730	100%	\$1,302,718 \$1,791,730	\$8.892\$12,37 2
IN-02 Development	Pine Road and Verney Road (Access D): Purchase of land for intersection and construction of 4-way signalised intersection (ultimate standard).	<u>0.38</u> 0.32	\$76,000\$7 5,780	\$1,256,390\$1 ,726,159	\$1,332,390\\$1 ,801,939	100%	\$1,332,390 \$1,801,939	\$9,094\$12,44 2
IN-03 Development	Ryeland Drive and Grahamvale Road (Access C): Purchase of land for intersection and construction of 4-way signalised intersection (ultimate standard).	<u>0.11</u> <del>0.20</del>	\$22,000\$4 8,014	\$2,497,106\$4 ,136,870	\$2,519,106\$4 ,184,885	100%	\$2,519,106 \$4,184,885	\$17,194\$28,8 96
IN-04 Development	Ford Road and north-south key local access street (Access B): Purchase of land for intersection and construction of arterial to local acess steet T-intersection (ultimate standard).	0.03	<del>\$7,282</del>	<del>-\$194,501</del>	- <del>\$201,783</del>	<del>100%</del>	-\$ <del>201,783</del>	<del>\$1,393</del>

DCP PROJEC INFRASTRUC CATEGOR	CTURE	PROJECT TITLE & DESCRIPTION	LAND AREA (HA)	ESTIMATED PROJECT COST: LAND	ESTIMATED PROJECT COST: CONSTRUCTION	TOTAL ESTIMATED PROJECT COST: LAND & CONSTRUCTION	% APPORTIONED TO DCP (INTERNAL USE)	TOTAL COST RECOVERED BY DCP	RESIDENTIAL - CONTRIBUTION PER NDHA
INTERSECTIO	NS SUE	BTOTAL	<u>0.73</u> 0.83	\$146,000\$ 198,322	\$5,008,214\$7 ,782,014	\$5,154,214\$ <del>7,</del> 980,336		\$5,154,214\$ 7,980,336	\$35,180\$55,1 03
BR-01 Developmen		Shared path bridge Construction of a shared path bridge over G-MW Drain 3 at Verney Road (east side) outside of PSP boundary (ultimate standard).	0.00	_	<u>\$92,806</u> 85,62 5	<u>\$92,806</u> 8 <del>5,62</del> 5	100%	\$92,8068 <del>5,</del> 625	\$633 <del>591.22</del>
BRIDGES SUBTOTAL					\$92,806 <del>\$85,62</del> 5	\$92,806\$ <del>85,62</del> 5		\$92,806 <del>\$85,</del> 625	<u>\$633</u> \$ <del>59</del> 1
TOTAL TRANS	SPORT	PROJECTS	<u>1.522.13</u>	\$304,000 <del>\$5</del> 10,667	\$6,501,953 <mark>\$8,81</mark> 3,992	\$6,805,953 \$9,324,659		\$6,805,953\$ 9,324,659	\$46,454\$64,38 5
COMMUNITY	FACILI <sup>-</sup>	TIES							
CI-01 Developmen		Shepparton North East community centre Land purchase for a multi-purpose community centre (Level 1) located on Verney Road.	0.40	\$400,000\$ 96,012	_	\$400,000\$96 <del>,</del> 012	100%	\$400,000\$ 96,012	<u>\$2,730</u> \$ <del>663</del>
CI-02 Developmen	l nt	Shepparton North East community centre Construction of the materal and child health components of a multi-purpose community centre (Level 1) located on Verney Road.	-	_	\$5,258,000\$ <del>2</del> ,108,958	\$5,258,000 <mark>\$2</mark> ,108,958	<u>68%</u> 30%	\$3,575,440 \$632,687	<u>\$24,404</u> \$4 <del>,36</del> 9
TOTAL COMM	UNITY		0.40	\$400,000 <del>\$9</del>	\$5,258,000 8,958	\$5,658,000\$ <del>2</del> ,		\$3,975,440\$	+ <u>\$27,134<del>\$5,032</del></u>
OPEN SPACE	PROJE	CCTS							
OS-01 Developmen	ir.	District park  North-west park adjoining the Local Convenience Centre and linked to RB-01. Purchase of land and construction of park (ultimate standard).	<u>2.22<del>2.12</del></u>	\$444,000\$ 509,510	\$2,615,000\$3 ,522,731	<u>\$3,059,000</u> \$4 <del>,032,2</del> 41	100%	\$3,059,000 \$4,032,241	<u>\$20.879</u> \$ <del>27,8</del> 4 <u>2</u>
OS-02 Developmen	nt	Local park South-west park adjoining RB-02. Purchase of land and construction of park (ultimate standard).	<u>0.70</u> 1.00	\$140,000 \$240,072	\$640,000\$88 2,480	<u>\$780,000</u> \$ <del>1,1</del> <del>22,552</del>	100%	\$780,000\$ 1,122,552	<u>\$5,324</u> \$ <del>7,75</del> 1
OS-03 Developmen		Local park North-east park adjoining RB-03. Purchase of land and construction of park (ultimate standard).	<u>0.71</u> 1.00	\$142,000 \$240,000	\$640,000\$88 2,480	\$782,000\$1,1 22,480	100%	\$782,000 1,122,480	<u>\$5,338</u> \$7,751
OS-04 Developmen	nt	Local park East park adjoining RB-04. Purchase of land and construction of park (ultimate standard).	<u>0.70</u> 1.00	\$140,000 \$ 240,000	\$640,000\$88 2,480	\$780,000 <mark>\$1,1</mark> 22,480	100%	\$780,000\$ 1,122,480	<u>\$5.324</u> \$ <del>7,751</del>

DCP PROJECT ID & INFRASTRUCTURE CATEGORY		LAND AREA (HA)	ESTIMATED PROJECT COST: LAND	ESTIMATED PROJECT COST: CONSTRUCTION	TOTAL ESTIMATED PROJECT COST: LAND & CONSTRUCTION	% APPORTIONED TO DCP (INTERNAL USE)	TOTAL COST RECOVERED BY DCP	RESIDENTIAL - CONTRIBUTION PER NDHA
OS-05  Development	Local park: South-east park adjoining RB-05. Purchase of land and construction of park (ultimate standard).	<del>1.00</del>	-\$240,000	- <del>\$882,480</del>	<del>\$1,122,480</del>	<del>100%</del>	\$1, <del>122</del> ,480	<del>\$7,751</del>
TOTAL OPEN SPACE	E PROJECTS	<u>4.33</u> 6.12	\$866,000\$1 469,582	\$4,535,000 <mark>\$7,</mark> 052,652	\$ <u>\$5,401,000</u> \$ <del>8,</del> <del>522,235</del>		\$5,401,000 8,522,235	\$36,86 <u>5</u> \$58,844
DRAINAGE PROJEC	тѕ							
RB-01 Development	North-west retarding basin adjoining OS-01 Purchase of land and construction of retarding basin and construction of piped drains connecting retarding basin to discharge point at Drain No.3 (ultimate standard).	<u>2.01</u> 1.79	\$406,000 \$429,029	\$1,682,371\$3 ,503,445	<u>\$2,088,371</u> \$ <del>3</del> , <del>932,474</del>	100%	\$2.088,371 \$3,932,474	<u>\$14,254</u> \$ <del>27,1</del> <del>53</del>
RB-02 Development	South-west retarding basin adjoining OS-02 Purchase of land and construction of retarding basin and construction of piped drains connecting retarding basin to discharge point at Drain No.3 (ultimate standard).	<u>2.05</u> 1.54	\$410,000 \$70,337	\$1.655,871\$3 ,503,445	\$2,065,871 \$3,873,782	100%	\$2,065,871 \$3,873,782	<u>\$14,101</u> \$26,7 48
RB-03 Development	North-east retarding basin adjoining OS-03 Purchase of land and construction of retarding basin and construction of piped drains connecting retarding basin to discharge point at Drain No.3 (ultimate standard).	<u>2.55</u> 1.37	\$510,000 \$328,742	\$2,211,057\$3 ,503,445	\$2.721.057\$3 ,832,188	100%	\$2,721,057 \$3,832,188	<u>\$18.573</u> \$ <del>26,</del> 4 61
RB-04 Development	East retarding basin adjoining OS-04 Purchase of land and construction of retarding basin and construction of piped drains connecting retarding basin to discharge point at Drain No.3 (ultimate standard).	<del>2.22</del>	-\$533,460	\$3,503,445	-\$4,036,905	100%	\$4,036,905	<del>\$27,874</del>
RB-04RB-05 Development	South-east retarding basin adjoining OS-04OS-05 Purchase of land and construction of retarding basin and construction of piped drains connecting retarding basin to discharge point at Drain No.3 (ultimate standard).	<u>2.49</u> 1.49	\$498,000\$ 357,931	\$1,838,056\$3 ,503,445	\$2,336,056\$3 ,861,377	100%	\$2,336,056 \$3,861,377	\$15,945\$26,6 62
TOTAL DRAINAGE P	PROJECTS	9.128.41	\$1,824,000\$ <del>2</del>	<del>,</del> <u>\$7,387,355</u> <del>\$17,517</del> )			\$ <u>9,211,355</u> \$19,5 36,726.64	\$ <u>\$62,872\$134,897.</u>
PSP & DCP PREPAR	ATION FEES							
PL-01 Development	Preparation of Precinct Structure Plan and Development Contributions Plan.	_	-	-	_	100%	\$237,240\$ 207,040	<u>\$1,619</u> \$ <del>1,430</del>
TOTAL PSP & DCP F	PREPARATION FEES						\$237,240\$207 040	<del>(,</del> <u>\$1,619</u> \$1,430

DCP PROJECT ID 8 INFRASTRUCTURE CATEGORY		LAND AREA (HA)		ESTIMATED PROJECT COST: CONSTRUCTION		% APPORTIONED TO DCP (INTERNAL USE)	BY DCP	RESIDENTIAL - CONTRIBUTION PER NDHA
TOTAL COST ALL F	PROJECTS		\$3,394,000\$4,	\$23,682,308\$35, 592,830	\$27,076,308\$39, 689,260		\$25,630,988 <mark>\$3</mark> 8,420,029	
TOTAL DEVELOPM	ENT INFRASTRUCTURE LEVY PER NDHA							<u>\$174,944</u> \$ <del>265,89</del> <del>7</del>
TOTAL DEVELOPM	ENT INFRASTRUCTURE LEVY PER DWELLING							

## Table 8: Calculation of costs – community infrastructure levy (CIL)

DCP PROJECT ID & INFRASTRUCTURE CATEGORY	PROJECT TITLE & DESCRIPTION	LAND AREA (HA)	ESTIMATED PROJECT COST: LAND	ESTIMATED PROJECT COST: CONSTRUCTION	TOTAL ESTIMATED PROJECT COST: LAND & CONSTRUCTION	% APPORTIONED TO CIL	TOTAL COST RECOVERED BY CIL
COMMUNITY FACILI	TIES(CIL)						
CI-02 Community	Shepparton North East community centre Construction of the community facility components of a multi-purpose community centre (Level 1) located on Verney Road.			\$5,258,000\$ <del>2</del> ,108,958	\$5,258,000\$ <del>2</del> ,108,958	<u>32%</u> 70%	\$1,684,750\$1,4 76,270.63
TOTAL COMMUN	ITY FACILITIES			\$5,258,000 08,958	\$5,258,000\$2,1 08,958		\$1,684,750\\$1,476
SUMMARY							
TOTAL COST ALL	. CIL PROJECTS						<u>\$1,684,750</u> \$ <del>2,108</del> ,958
TOTAL COMMUN	ITY INFRASTRUCTURE LEVY PER DWELLING						<u>\$1,150</u> \$1,019
	ITY INFRASTRUCTURE LEVY ESTIMATED RAISED I NORTH EAST DCP						<u>\$1,684,750</u> \$1,476

## 4 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 the DCP will be managed in terms of reporting, indexation and review periods.

The development infrastructure levy applies to subdivision and/or development of land.

Greater Shepparton City Council will be both the collecting agency and the development agency for the purposes of the DCP.

## 4.1 Payment of contributions and payment timing

## **4.1.1** Development infrastructure levy (DIL)

#### For subdivision of land

A development infrastructure levy must be paid to the collecting agency for the land 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 in respect of that plan or included in an implementation agreement under section 173 of the Act.

Where the subdivision is to be developed in stages, the infrastructure levy for the stage to be developed only may be paid to the collecting agency within 21 days prior to the issue of a Statement of Compliance in respect of that stage provided that a Schedule of Development Contributions is submitted with each stage of the plan of subdivision. This schedule must show the amount of the development contributions payable for each stage and value of the contributions in respect of prior stages to the satisfaction of the collecting agency or included in an implementation agreement under section 173 of the Act.

If the collecting agency agrees to works and/or provision of land in lieu of the payment of the infrastructure levy, the landowner must enter into an agreement under section 173 of the Act in respect of the proposed works and/or provision of land in kind to specific requirements.

#### For development of land where no subdivision is proposed

Provided an infrastructure levy has not already been paid on subject land, an infrastructure levy must be paid to the collecting agency in accordance with the provisions of the approved DCP for each demand unit (net developable hectare) proposed to be developed prior to the commencement of any development (i.e. development includes buildings, car park, access ways, landscaping and ancillary components). The collecting agency may require that development infrastructure levy contributions be made at either the planning permit or building permit stage.

If the collecting agency agrees to works and/or provision of land in lieu of the payment of the infrastructure levy, the landowner must enter into an agreement under section 173 of the Act or other arrangement acceptable to the collecting agency proposed in respect of the proposed works and/or land to be provided in kind.

#### Where no planning permit is required

The following requirement applies where no planning permit is required. The land may only be used and developed subject to the following requirements being met:

 Unless some other arrangement has been agreed to by collecting agency in a section 173 agreement, prior to the commencement of any development, a development infrastructure levy must be paid to the collecting agency in accordance with the provisions of the DCP for the land.

If the collecting agency agrees to works and/or provision of land in lieu of the payment of the infrastructure levy, the landowner must enter into an agreement under section 173 of the Act in respect of the proposed works or provision of land which is proposed to be provided in kind.

### **4.1.2** Community infrastructure levy (CIL)

Contributions relating to community infrastructure are to be made by the home-builder prior to the issue of a building permit; however, development proponents are encouraged to pay the levy prior to the issue of a State of Compliance to reduce the administrative burden of collection from individual home builders.

Levies for 'residential buildings' will be calculated at the rate for a single dwelling. In all other forms of accommodation, the dwelling is the individual unit (such as each dwelling in a residential village, retirement village, serviced apartments, etc.). Corrective institutions are exempt.

The community infrastructure levy is not payable for a dwelling on a lot that was created prior to the date that the DCP was first incorporated into the Greater Shepparton Planning Scheme.

### 4.1.3 Works-in-kind

The collecting agency may permit development proponents to undertake works in lieu of cash payments, providing that:

- The works constitute projects funded by the DCP
- The collecting agency agrees that the timing of the works would be consistent with priorities in the DCP
- The development proponent complies with appropriate tendering, documentation, supervision and related provisions as required by the responsible authority
- Works must be provided to a standard that generally accords with the DCP, unless an alternative is agreed
  - by the collecting agency and the development agency
- Detailed design must be approved by the collecting agency and the development agency and must generally accord with the standards outlined in the DCP unless an alternative is agreed by the collecting agency and the development agency
- The construction of works must be completed to the satisfaction of the collecting agency and the development agency
- There should be no negative financial impact on the DCP to the satisfaction of the collecting agency

In particular, the works will only be accepted in lieu of a financial contribution required by the 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 the satisfaction of the collecting agency. 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 contribution (subject to the arrangements specified above):

- The credit for the works provided (unless an alternative approach is agreed with the collecting agency) shall equal the final cost of the works up to the maximum identified in the DCP, taking into account the impact of indexation, or to an alternative figure approved by the collecting agency
- The value of works provided in accordance with the principle outlined above will be offset against the development contributions liable to be paid by the development proponent
- No further financial contributions will be required until the agreed value of any credits are used.

### 4.1.4 Credit for over-provision

Where the collecting agency agrees that a development proponent can deliver an infrastructure item (either works and/or land), the situation may arise where the developer makes a contribution with a value that exceeds that required by the DCP.

In such a case the developer may be entitled to credits against other projects in the DCP to the extent of the excess contribution. Alternatively, a developer may seek an agreement with the collecting agency to provide cash reimbursement where an over-contribution has been made.

The details of credits and reimbursements for construction will need to be negotiated with, and agreed to by the collecting agency. The value of credits and reimbursements for the transfer of land will need to be at the values that are outlined in the DCP, subject to revaluation and indexation of the land as specified in Section 4.3.

### **4.1.5** Non-government schools

Where land is subdivided or developed for the purpose of a non-government school and the use of that land is subsequently for a purpose other than a non-government school, the owner of that land must pay to the collecting agency development contributions in accordance with the provision of the DCP. The development infrastructure levy and, where applicable, the community infrastructure levy must be paid within 28 days of the date of the commencement of the construction of any buildings or works for that alternative use.

### 4.2 Funds administration

The administration of the contributions made under the DCP will be transparent and development contributions charges will be held until required for provision of the items in that class. Details of funds received and expenditures will be held by the collecting agency in accordance with the provisions of the Local Government Act 1989 and the Act.

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

- Amount and timing of funds collected
- Source of the funds collected
- Amount and timing of expenditure on specific projects
- Project on which the expenditure was made
- · Account balances for individual project classes
- · Details of works in kind arrangements for project provision
- Pooling or quarantining of funds to deliver specific projects, where applicable.

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

The collecting agency will establish interest bearing accounts and all monies held in these accounts will be used solely for the provision of infrastructure as itemised in the DCP, as required under section 46QA of the Act.

Should the collecting agency resolve to not proceed with any of the infrastructure projects listed in the DCP, the funds collected for these items will be used for the provision of alternative works in the same infrastructure class as specified in the DCP. Such funds may also be used for the provision of additional works, services or facilities where approved by the Minister responsible for the Act, or will be refunded to owners of land subject to these infrastructure charges.

### 4.3 Construction and land value costs indexation

Capital costs of all infrastructure items, including land, are in <u>2017-2018</u> dollars and will be adjusted by the collecting agency annually for inflation.

In relation to the costs associated with infrastructure items other than land, the cost must be adjusted according to the following method:

- Roads, intersections and bridges the capital cost for each infrastructure item will be adjusted by applying the Building Price Index, as published in the latest edition of Rawlinsons Australian Construction Handbook indexed in line with the Australian Bureau of Statistics Producer Prices Indexes, Road and Bridge Construction Index, Victoria.
- All other infrastructure items the capital cost for each infrastructure item will be adjusted by applying
  the Building Price Index, as published in the latest edition of Rawlinsons Australian Construction
  Handbook.indexed in line with the Australian Bureau of Statistics Producer Price Indexes, NonResidential Building Construction Index, Victoria.

Estimates of land value will be revised annually by a registered valuer based on a broad hectare methodology. Revisions may occur more frequently if market conditions warrant.

The collecting agency will publish the amended contributions on the collecting agency's website within 14 days of the adjustments being made.

Community infrastructure levy projects are indexed but the value of the contribution may not exceed the maximum as set out by the Act.

In future if the community infrastructure levy is amended then the levy applicable to the release of any remaining dwellings may be adjusted in accordance with the revised legislative and regulatory approach as directed by the Minister for Planning. Both the maximum levy amount and the payable dwelling amount for the Community infrastructure levy will be adjusted annually using the Producer Price Index for Non-Residential Building Construction in Victoria. The index is published by the Australian Bureau of Statistics. The indexed amount will be published by the Department on or before 1 July each year.

### 4.4 Review period

The DCP commenced on the date when it was first incorporated into the Greater Shepparton Planning Scheme.

The DCP adopts a long-term outlook for future development in Shepparton North East.

The DCP is expected to be revised and updated every five years (or more frequently if required). This will require an amendment to the Greater Shepparton Planning Scheme to replace this document with an alternative, revised document. Any review will need to have regard to any arrangements (e.g. section 173 agreements under the Act) for the implementation of the DCP.

# 4.5 Adjustment to the scope of projects

The infrastructure projects in the DCP have been costed to a sufficient level of detail; however, all of the projects will require a detailed design process prior to construction.

As part of detailed design, the Council or a development proponent with the consent of the Council may amend or modify some aspects of projects, so long as they are still generally in accordance with the PSP and any direction regarding the scope outlined in the DCP.

A development proponent may also propose material changes to the use and development of land from that contemplated in the PSP, leading to an increased requirement for infrastructure. In these cases there should be no negative impact on the DCP by requirement for the developer to bear the additional costs associated with the provision of the infrastructure item over and above the standard required by the DCP.

Where the Council or another agency seeks to change the scope of a DCP infrastructure item to meet changing standards imposed by adopted policy or a public regulatory agency, such changes of standards and the resulting cost changes should normally be made through a change to the DCP at the time of a regular review of the DCP.

Where, after the DCP has been approved, a Council or other agency proposes changes to the scope of a DCP infrastructure item for reasons other than changes in standards imposed by policy or regulation the net cost increases resulting from the change should normally be met by the agency requesting the change.

# 4.6 Collecting agency (agency responsible for collecting infrastructure levy)

Greater Shepparton City Council is the collecting agency pursuant to section 46K(1)(fa) of the Act which means that it is the public authority to which all levies are payable. As the collecting agency, Greater Shepparton City Council is responsible for the administration of the DCP and also its enforcement pursuant to section 46QC of the *Act*.

## 4.7 Development agency (agency responsible for works)

Greater Shepparton City Council is the development agency and is responsible for the provision of the designated infrastructure projects which are funded under the DCP and the timing of all works.

### 5 IMPLEMENTATION STRATEGY

This section provides further details regarding how the collecting agency intends to implement the DCP. In particular, this section clearly identifies the rationale for the implementation strategy and details the various measures that have been adopted to reduce the risk posed by the DCP to all parties.

### 5.1 Rationale for the implementation strategy

This implementation strategy has been included to provide certainty to both the collecting agency and development proponents. The implementation strategy recognises the complexities associated with infrastructure provision and funding and seeks to minimise risk to the collecting agency, development agency, development and future community.

This implementation strategy has been formulated by:

- Assessing the PSP
- Having regard to the development context
- Assessing the need for finance requirements including upfront financing and pooling of funds
- Agreeing the land value and indexing it appropriately (where possible)
- Identifying preferred implementation mechanisms to achieve the above outcomes and reducing the risk associated with the DCP to ensure that it will be delivered as intended.

## 5.2 Implementation mechanism

Under section 46P of the Act, the collecting agency may accept (with the consent of the development agency where the collecting agency is not also the development agency) the provision of land, works, services or facilities by the applicant in part or full satisfaction of the amount of levy payment. This can be by agreement with the collecting agency before or after the application for the permit is made or before the development is carried out.

To coordinate the provision of infrastructure, Schedule 1 to the Urban Growth Zone in the Greater Shepparton Planning Scheme for the PSP requires an application for subdivision to be accompanied by an infrastructure plan to the satisfaction of the responsible authority.

The Public Infrastructure Plan needs to show the location, type, staging and timing of infrastructure on the land as identified in the Shepparton North East PSP or reasonably required as a result of the subdivision of the land and address the following:

- Stormwater drainage works
- Road works internal or external to the land consistent with any relevant traffic report or assessment
- The reserving or encumbrance of land for infrastructure, including for community facilities, sports reserves and open space
- Any infrastructure works which an applicant proposes to provide in lieu of development contributions in accordance with the DCP
- The effects of the provision of infrastructure on the land or any other land
- Any other relevant matter related to the provision of infrastructure reasonably required by the responsible authority.

Through the approval of these agreements, Greater Shepparton City Council (acting as the collecting agency) will consider if and what infrastructure should be provided as works in kind under the DCP in accordance with section 46P of the Act. The agreement must include a list of the DCP infrastructure projects that the collecting agency has agreed in writing to allow to be provided as works and/or land in lieu.

# 6 APPENDICES

# 6.1 Appendix A – Property specific land budget

Detailed information on the developable area for each property is included in the property-specific land budget with each PSP.

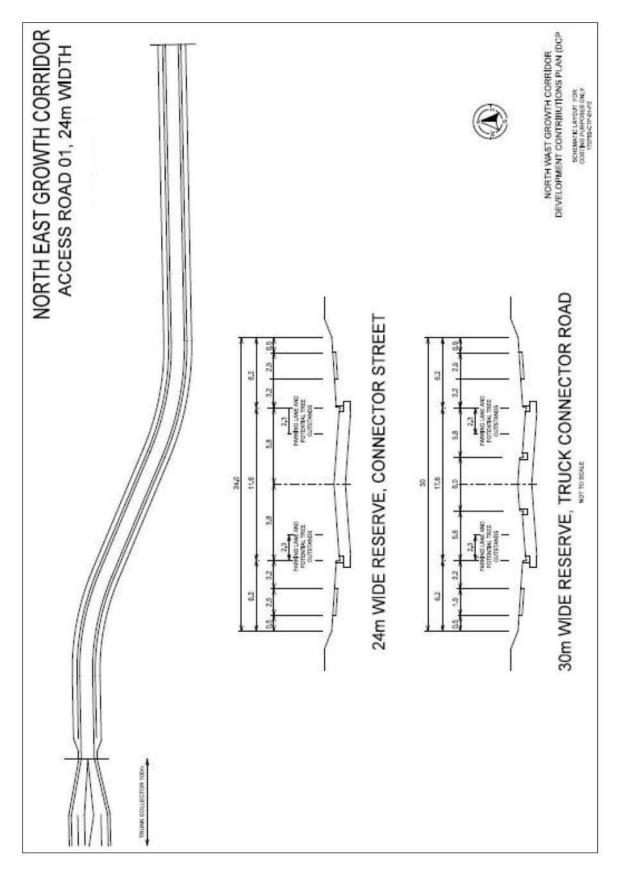
	in the second se	TRANSI	PORT	COMML	JNITY FACI	LITIES		E OPEN ACE	CREDITED OPEN SPACE	IREA-S)	AREA	٩
PARCEL ID	TOTAL AREA (HECTARES)	FUTURE ARTERIAL ROAD WIDENING AND INTERSECTION FLARING (DCP LAND)	FUTURE ROAD AND INTERSECTION (DCP LAND)	EXISTING & POTENTIAL EXPANSION GOVERNMENT SCHOOL	EXISTING & POTENTIAL EXPANSION NON-	COMMUNITY FACILITIES (DCP LAND)	WATERWAY AND DRAINAGE RESERVE	WATERWAY AND DRAINAGE RESERVE (DCP LAND)	LOCAL NETWORK PARK (DCP LAND)	TOTAL NET DEVELOPABLE AREA- RESIDENTIAL (HECTARES)	TOTAL NET DEVELOPABLE AREA (HECTARES)	NET DEVELOPABLE AREA % OF PARCEL
1	18.16	-	0.330 .40	_	_	0.40	_	2.03 1.79	2.172.1 2	8.4 <del>2</del>	13.22 8.42	72.8097. 56%
2	5.63	_	0.110 .12	0.34	_	_	2.06 2.05	= 0.21	<u>-0.25</u>	<del>13.46</del>	3.12 <sup>1</sup> 3.46	55.4974. 09%
3	23.04	<u>-0.27</u>	<u>-0.03</u>	_	_	_	_	2.55 1.37	<u>-0.59</u>	20.78	20.49 20.78	88.91 <del>90.</del> 48%
4	8.63	_	0.160 .21	_	_	_	_	_	<u>0.05</u> –	22.18	8.422 2.18	97.6588- 57%
5	0.40	_	_	_	_	_	_	_	-	0.55	0. <u>40</u> 5 5	100.00%
6	25.04	_	0.220 .35	_	_	_	_	= 1.94	<u>0.71</u> 0. <del>5</del> 8	<del>2.67</del>	24.12 2.67	96.3585. 42%
7	0.55	_	_	_	_	_	_	_	-	0.47	<u>0.55</u> 0 -47	100.00%
8	0.47	_	-	_	_	_	_	_	-	0.49	0.470 .49	100.00%
9	0.49	_	_	_	_	_	_	_	_	0.53	0.490 .53	100.00%
10	0.53	_	-	_	_	_	_	_	-	<del>15.48</del>	0.531 5.48	100.009 1.00%
11	0.10	_	_	_	0.10	_	_	_	_	10.67	0.004 0.67	0.00 <del>78.0</del> 8%
12	9.04	_	_	_	5.25	_	_	_	_	0.77	3.790 .77	41.8981. 27%
13	18.23	_	<u>0.70</u> 0 . <del>75</del>	_	_	_	_	1.31 0.82	0.450.5 5	11.11	<u>15.77</u> 11.11	86.4910 0.00%
14	17.01	_	_	0.87	_	-	_	= 0.08	<u>-0.58</u>	0.40	16.14 0.40	94.8910 0.00%
15	1.62	-	_	1.62	_	-	_	_	_	4.13	0.004 -13	0.001 <del>00.</del> 00%

16	0.40	_	-	-	-	_	_	_	-	0.41	0.400 .41	100.00%
17	12.22	_	_	-	-	_	_	0.74 0.72	0.250.4 5	0.40	11.22 0.40	91.8610 0.00%
18	0.40	_	-	-	-	_	_	_	-	11.05	0.401 1.05	100.00 <del>9</del> 0.41%
19	0.41	_	-	-	-	_	_	_	-	0.40	0.410 .40	100.00%
20	4.13	_	-	-	-	_	_	_	-	16.11	4.13 <sup>1</sup> 6.11	100.008 8.37%
21	0.40	_	-	-	-	_	_	_	-	-	<u>0.40</u> –	<u>100</u> 0.00 %
22	1.21	_	_	-	_	_	1.21	_	_	3.79	<u>0</u> 3.79	<u>0</u> 41.89%
23	0.23	_	-	-	-	_	0.23	_	-	0.40	0 <del>.40</del>	<u>0</u> 100.00 %
24	0.72	_	-	-	-	_	0.71	_	_	_	<u>0.01</u> –	<u>0.07</u> 0.00 %
25	23.91	_	_	0.73	-	_	0.15	2.49 1.49	0.701.0 0	_	<u>19.84</u> –	82.970-0 0%
26	2.54	_	-	-	-	_	0.36	_	-	_	<u>2.18</u> –	85.680.0 0%
27	1.36	_	_	-	_	_	1.36	_	_	_	0.00-	0.00%
28	-	_	_	-	_	_	_	_	_	_	_	0.00%
29	_	_	_	-	_	_	_	_	_	_	<del>0.16</del>	100.00%
TOTAL	<u>176.87<del>76.</del></u> <del>87</del>	<del>-0.27</del>	<u>1.521.86</u>	3.56	5.35	0.40	6.086. 07	<u>9.128.</u> 41	<u>4.33</u> 6.12	144.83	146.51 <del>1</del> 44.83	<u>82.83</u> 81.88 %

# 6.2 Appendix B – Project cost estimates & concept designs

The following cost estimates and designs are provided for information purposes only to provide an indication of how the DCP project costs were calculated. All projects will be subject to detail design prior to delivery.

6 2.1 Transport project cost estimates & functional layout plans



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Figure F3: Connector Level 1 cross-section as per PSP (Ultimate 1) for Road-01

ltem	Description	Quantity	Unit	Rate \$	Amount	Comments
	WORKS					
1	SITEWORKS AND EARTHWORKS					
1.1	Site preparation		Item			
1.2	Earthworks	2880	m³	30	86,400	24m wide x 0.3m x 400m
1.3	Other (Description)		Item	,		
2	ROAD PAVEMENT			i i		
2.1	New Pavement	4650	m²	65	302,250	11.6m x 400m (urban pavement
2.2	Pavement Other		m²			
3	CONCRETE WORKS					
3.1	Kerb & Channel	800	Lm	48	38,400	400m x 2 sides
3.2	Pedestrian Paths	2000	m²	35	70,000	400m x 2.5m x 2 sides
4	DRAINAGE					
1.1a	Drainage - pipes	36	Lm	152	5,472	3 x 300Ø cross culverts
	Drainage - pipes	200	Lm	175		Adopt 375Ø half length
_	Drainage - pipes	200	Lm	210		Adopt 450Ø half length
_	Drainage - pits	6	No	2200		2 @ 150m spacing
1 1 1 1 1 1 1 1 1 1 1	Drainage - subsoil drainage	800	Lm	17.5		400m x 2 sides
	Drainage - miscellaneous		ltem			
	TRAFFIC		T AND A CONTROL OF			
5.1	Traffic signals		ltem			
_	Traffic safety		Item		· ·	
	LANDSCAPE					
6.1	Trees	32	No	150	4,800	25m spacing x 2 sides
6.2	Landscaping		ltem			6m x 400m @ \$6/m²
22,159/8	STREET LIGHTING					C
1976	Street lighting		ltem		150,000	
_	MISCELLANEOUS					
	Line marking		Item		8,000	
	Regulatory signs		Item		1,500	N.
	Work maintenance - up to 1 year		Item		1,000	
1,000,000	Landscape maintenance - 1yr/2 summers		Item		1,500	
	Traffic signals - 10 year maintenance fee		ltem		7	
_	OTHER			·	*	
	List		ltem		-	
	SUB-TOTAL WORKS		122111	\$	788,522	
104-100	DELIVERY			1	recjecc	÷
1000000	Council Fees	3.25	%		25,627	
The same of the sa	VicRoads Fees		%		25,027	
	Traffic Management		%	1	39,426	
_	Environmental Management	0.5			3,943	
and the same of the	Survey/Design		%		39,426	
	Supervisio & Project Management		%		70,967	
	Site Establishment	2.5	140000		19,713	
	Contingency	10000000	%		118,278	
	SUB-TOTAL DELIVERY	1.5	70			<b>.</b>
	TOTAL ESTIMATED COST			\$	317,380 1,105,902	

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Figure F8: Trunk Collector cross-section + roundabout as per PSP (Ultimate 2) for Road-02

ltem	Description	Quantity	Unit	Rate \$	Amount	Comments
	WORKS				"	
1	SITEWORKS AND EARTHWORKS					
1.1	Site preparation		Item			
1.2	Earthworks	5400	m³	30	162,000	30m wide x 0.3m deep x 600m
1.3	Other (Description)		ltem			
2	ROAD PAVEMENT					
2.1	New Pavement	6960	m²	65	452,400	2 x 5.8m x 600m (urban)
2.2	Pavement Other	340	m²	65	22,100	roundabout pavement
3	CONCRETE WORKS					
3.1	Kerb & Channel	2400	Lm	48	115,200	600m x 2 sides x 2 c'ways
3.2	Kerb & Channel	40	Lm	66	2,640	roundabout kerb + subsoil drair
3.3	Pedestrian Paths	3000	m²	70	210,000	600m x 2.5m x 2 si des
4	DRAINAGE					
4.1a	Drainage - pipes	70	Lm	152	the state of the state of the	4 x 300Ø cross culverts
4.1b	Drainage - pipes	300	Lm	175	52,500	Adopt 375Ø half length
4.1c	Drainage - pipes	300	Lm	210		Adopt 450Ø half length
4.2	Drainage - pits	8	No	2200	17,600	2@ 150m spacing
4.3	Drainage - subsoil drainage	2400	Lm	17.5	42,000	600 x 2 sides x 2 c'ways
4.4	Drainage - miscellaneous		Item	u		
5	TRAFFIC					
5.1	Traffic signals		ltem			
5.2	Traffic safety		ltem			
6	LANDSCAPE					
6.1	Trees	72	No	150	10,800	25m spacing x 2 sides + median
6.2	Landscaping		Item		48,250	2 x 3.7m + 6.0m x 600m @ \$6/m
7	STREET LIGHTING					
7.1	Street lighting		ltem		150,000	
8	MISCELLANEOUS					
8.1	Line marking		Item		12,000	
8.2	Regulatory signs		Item		3,000	
8.3	Work maintenance - up to 1 year		Item		1,000	
8.4	Landscape maintenance - 1yr/2 summers		Item		1,500	
8.5	Traffic signals - 10 year maintenance fee		Item			
9	OTHER		e 5	ti.		
9.1	List		Item			
	SUB-TOTAL WORKS			\$	1,376,630	
	DELIVERY					
	Council Fees	3.25			44,740	
- 11	VicRoads Fees	1	1000	,		
	Traffic Management	2000	%		68,832	
	Environmental Management	0.5	TV-N		6,883	
	Survey/Design		%		68,832	
100000000000000000000000000000000000000	Supervisio & Project Management		%		123,897	
	Site Establishment	2.5			34,416	
100	Contingency	15	%		206,495	
10.0	SUB-TOTAL DELIVERY	-	1.0	\$		

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Figure F11: Connector Level 1 cross-section as per PSP (Ultimate 1) for Road-03

Item	Description	Quantity	Unit	Rate \$	Amount	Comments
	WORKS			0	, ,,,	
1	SITEWORKS AND EARTHWORKS	i				
1.1	Site preparation		ltem			
1.2	Earthworks	2880	m³	30	86,400	24m wide x 0.3m deep x 400m
1.3	Other (Description)		Item			
2	ROAD PAVEMENT					
2.1	New Pavement	4650	m²	65	302,250	11.6m x 400m (urban pavement
2.2	Pavement Other		m²			
3	CONCRETE WORKS					
3.1	Kerb & Channel	800	Lm	48	38,400	400m x 2 sides
3.2	Pedestrian Paths	2000	m²	35	70,000	400m x 2.5m x 2 sides
4	DRAINAGE					
4.1a	Drainage - pipes	36	Lm	152	5,472	3 x 300Ø cross culverts
	Drainage - pipes	200	Lm	175	35,000	Adopt 375Ø half length
4.1c	Drainage - pipes	200	Lm	210	42,000	Adopt 450Ø half length
4.2	Drainage - pits	6	No	2200	13,200	2 @ 150m spacing
4.3	Drainage - subsoil drainage	800	Lm	17.5		400 x 2 si des
4.4	Drainage - miscellaneous		Item			
	TRAFFIC					
5.1	Traffic signals		Item			
5.2	Traffic safety		Item			
6	LANDSCAPE					
6.1	Trees	32	No	150	4,800	25m spacing x 2 sides
6.2	Landscaping		Item			6.0m x 400m @ \$6/m <sup>2</sup>
-	STREET LIGHTING					
7.1	Street lighting		Item		150,000	
	MISCELLANEOUS			ä	, , , , , , , , , , , , , , , , , , ,	
8.1	Line marking		ltem		8,000	
_	Regulatory signs		Item		1,500	
	Work maintenance - up to 1 year		Item		1,000	
	Landscape maintenance - 1yr/2 summers		Item		1,500	
10000000	Traffic signals - 10 year maintenance fee		Item	à		
	OTHER			10	· · · · ·	
9.1	List		Item			
	SUB-TOTAL WORKS			\$	788,522	
10	DELIVERY					
10.1	Council Fees	3.25	%	e e	25,627	
10.2	VicRoads Fees		%			
10.3	Traffic Management	5	%		39,426	
10.4	Environmental Management	0.5	%		3,943	
	Survey/Design	5	%		39,426	
	Supervisio & Project Management	9	%	12	70,967	
	Site Establishment	2.5	%		19,713	
	Contingency		%		118,278	
	SUB-TOTAL DELIVERY			\$		
11	TOTAL ESTIMATED COST				1,105,902	

Figure F12: Trunk Collector cross-section + roundabout as per PSP (Ultimate 2) for Road-03

Item	Description	Quantity	Unit	Rate \$	Amount	Comments
	WORKS					
1	SITEWORKS AND EARTHWORKS					
1.1	Site preparation		Item			
1.2	Earthworks	3600	m³	30	108,000	30m wide x 0.3m deep x 400m
1.3	Other (Description)		Item			
2	ROAD PAVEMENT	u.				
2.1	New Pavement	9280	m²	65	603,200	11.6m x 2 x 400m (urban)
2.2	Pavement Other	340	m²	65	22,100	roundabout pavement
3	CONCRETE WORKS					
3.1	Kerb & Channel	1600	Lm	48	76,800	400m x 2 sides x 2 c'ways
3.2	Kerb & Channel	40	Lm	66	2,640	roundabout kerb + subsoil drain
3.3	Pedestrian Paths	2000	m <sup>2</sup>	35	70,000	400m x 2.5m x 2 sides
27	DRAINAGE					
4.1a	Drainage - pipes	53	Lm	152	CONTRACTOR OF THE PARTY OF THE	3 x 300∅ cross culverts
4.1b	Drainage - pipes	200	Lm	<b>17</b> 5	35,000	Adopt 375Ø half length
4.1c	Drainage - pipes	200	Lm	210		Adopt 450Ø half length
	Drainage - pits	6	No	2200		2 @ 150m spacing
4.3	Drainage - subsoil drainage	1600	Lm	17.5	28,000	400 x 2 sides x 2 c'ways
4.4	Drainage - miscellaneous		Item			
903	TRAFFIC					
	Traffic signals		Item			
	Traffic safety		Item			
6	LANDSCAPE					
6.1	Trees	32	No	150	4,800	25m spacing x 2 sides
	Landscaping		Item		30,000	6m + 6m median x 400m @ \$6/m
190	STREET LIGHTING					
	Street lighting		Item		150,000	
	MISCELLANEOUS					
TOTAL MODE	Line marking		Item		8,000	
10000	Regulatory signs	,	Item		1,500	
1001000000	Work maintenance - up to 1 year		Item		1,000	
	Landscape maintenance - 1yr/2 summers		Item		1,500	
	Traffic signals - 10 year maintenance fee		Item			
	OTHER		VICINITIAN I			
	List		Item			
	SUB-TOTAL WORKS	2		\$	1,205,796	
57000	DELIVERY					
CONTRACTOR OF THE PARTY OF THE	Council Fees	3.25			39,188	
	VicRoads Fees		%			
	Traffic Management		%		60,290	
	Environmental Management	0.5			6,029	
	Survey/Design	200	%		60,290	
of the short of the last of	Supervisio & Project Management		%		108,522	
12700000	Site Establishment	2.5	THE REAL PROPERTY.		30,145	
	Contingency SUB-TOTAL DELIVERY	15	%	\$	180,869 485,333	
	CLID TOTAL DELIVEDY				100 222	

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# North East Growth Corridor Shepparton

Road Name: Foot Bridge Crossing

Limit of works: Bridge and approach ramps

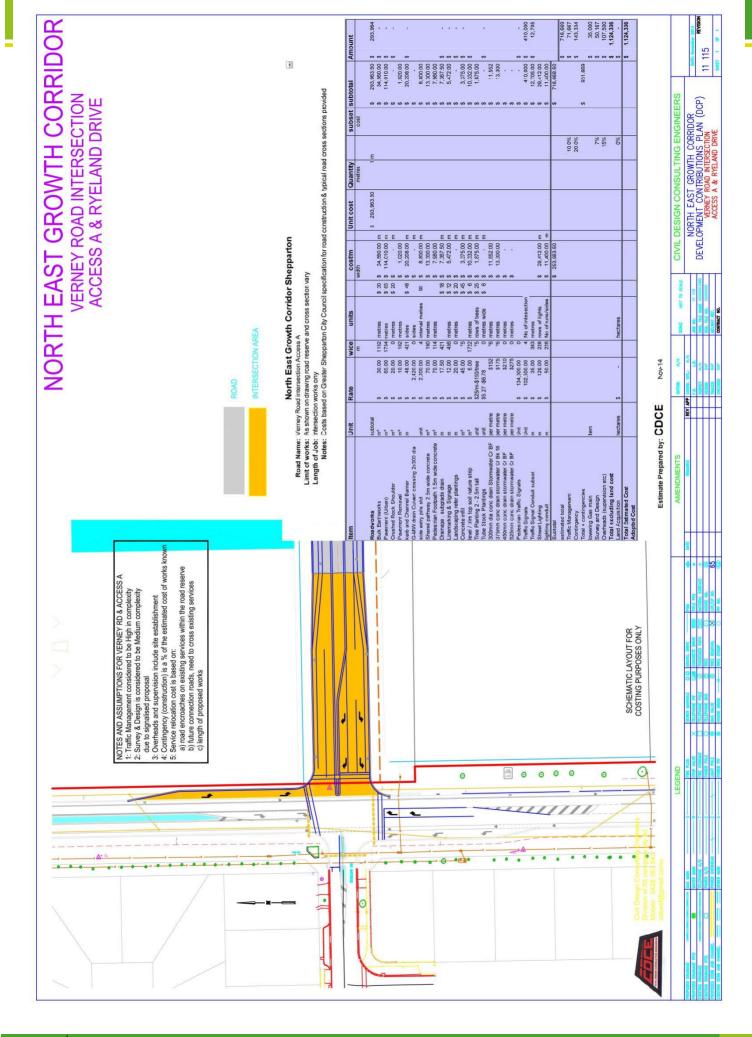
Length of Job: modular Bridge, foundations, concrete approach ramps

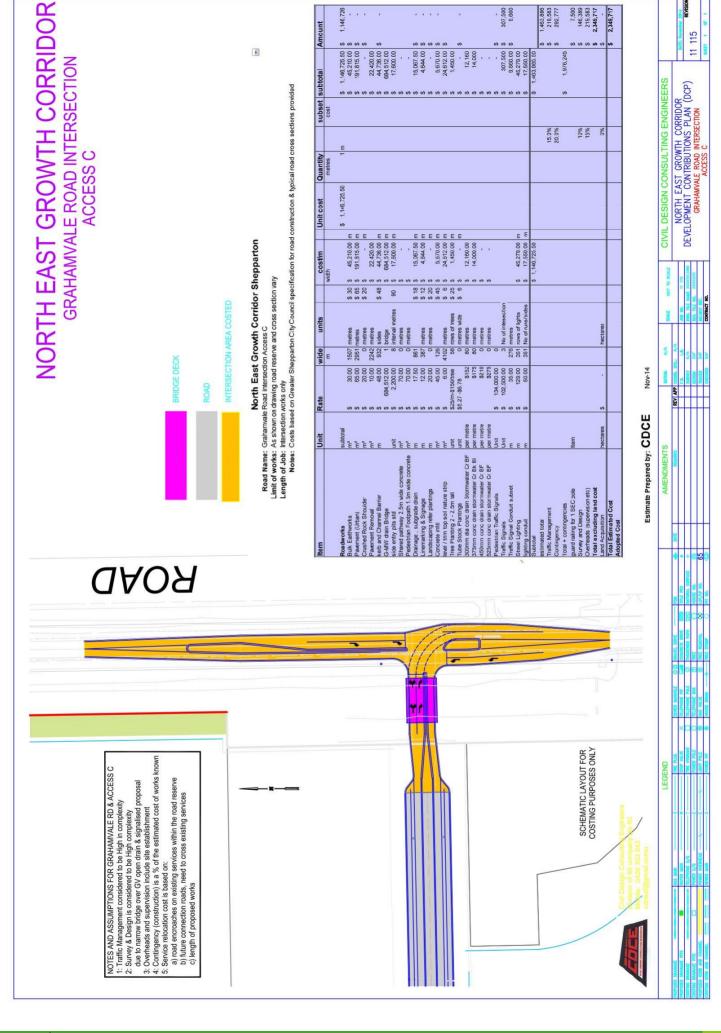
Notes: Costs based on Greater Shepparton City Council GV Water requirements as provided

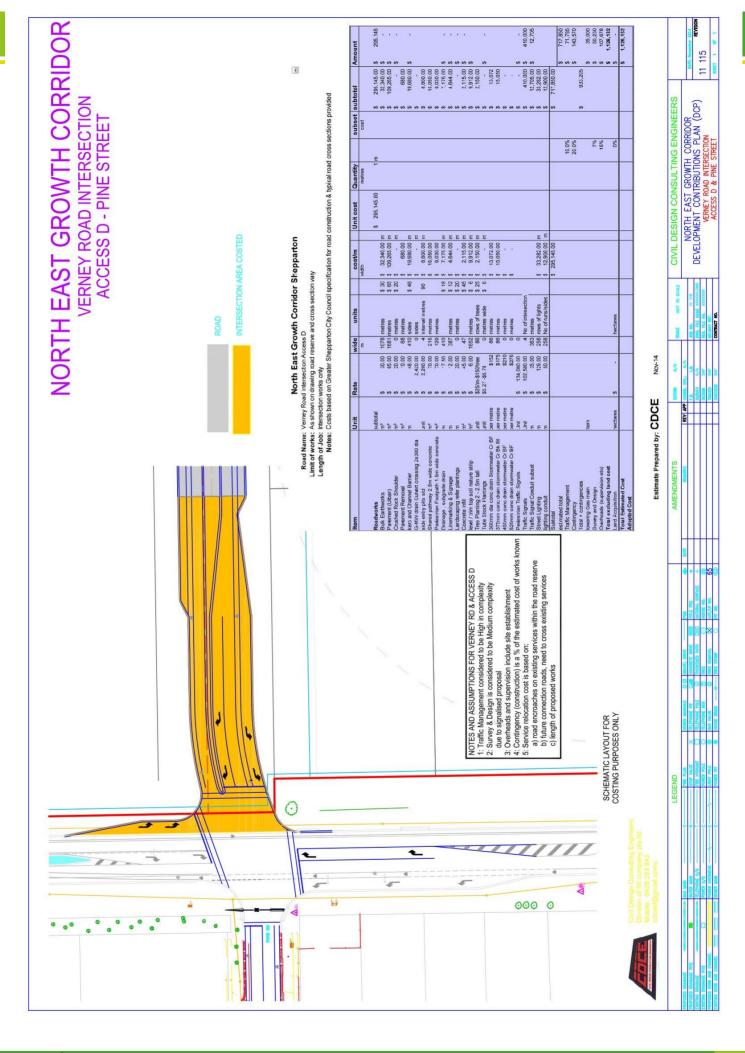
Item	Unit	Rate	wide	nuits		cost/m	, m	Unit cost	ost	Quantity		subset	subset subtotal	٥	Amount
			٤			width	i.			metres		cost			
Roadworks	subtotal							€9	39,657.50	-	<u>=</u>			39,657.50	\$ 39,658
Bulk Earthworks	E <sub>E</sub>	\$ 30.00	9	metres	\$ 30	s	300.00 m								•
G-MW drain Bridge		\$ 25,000.00	-	bridge		\$ 25,0	m 00.000						\$ 25,00	25,000.00	
Installation	unit	\$ 12,000.00		install		\$ 12,0	12,000.00 m							12,000.00	
Shared pathway 2.5m wide concrete	m²	\$ 70.00				\$ 1,7	1,750.00							1,750.00	
Concrete foundations	"m	\$ 195.00	2.5		\$ 195	€9	487.50 m							487.50	· •
level / trim top soil nature strip	m <sup>2</sup>	\$ 6.00		metres	\$	G	120.00 m						\$ 1	120.00	44
Subtotal	9					\$ 39,6	39,657.50						\$ 39,66	39,657.50	
estimated total														07	\$ 39,658
Traffic Management											2.0%	-		0,	\$ 1,983
Contingency											20.0%	_		07	
Total + contingencies													\$ 49	49,572	
relocation of 1 sec pole & ancillaries	Item													0,	
Survey and Design											5%	_			\$ 1,983
Overheads (supervision etc)											10%	-		0,	
Total excluding land cost														-	\$ 55,52
Land Acquisition	hectares			hectares							%0			0,	
Total Estimated Cost															\$ 55,521
Too pare															

Estimate Prepared by: CDCE

Jan-15







**6.2.2** Community facility construction cost estimate

### Shepparton

### **EXECUTIVE SUMMARY**

NE DCP Community Facility

Cost Plan 1 rev C Concept Design

10 July 2018



### Introduction

The Cost Plan is based on Concept Design documents from Outlines.

### **Cost Estimates**

The current anticipated total costs are based on a competitive lump sum tender.

**New Building** \$5,258,000

Refer to the attached Cost Plan 1 rev C for details.

### **Inclusions**

The Cost Plan includes allowances for the following:

- Building works
- · External works and external services
- Demolition
- · Landscaping
- · Design contingencies
- Contract contingencies
- · Consultants' fees
- Supply authority charges
- · Management support costs

### **Exclusions**

The Cost Plan excludes the following:

- Rock excavation
- · Asbestos removal
- Site decontamination
- · ESD options
- · IT and communications equipment
- · Additional costs due to Construction Management or Negotiated Contracts
- · Disbursements
- · Furniture, furnishings and equipment
- Cost escalation up to completion of construction July, 2020
- · Cost escalation after July, 2020
- GST
- Additional costs for staging of construction
- Project risk contingency
- · Temporary accommodation and decanting
- · Locality allowance
- · Property purchase

### Shepparton

### COST PLAN SUMMARY

NE DCP

Community Facility
Cost Plan 1 rev C

# **Community Facility**



10 July 2018

Concept Design

COST COMPONENT			Area m2	\$/m²	\$
Site preparation and demolition					Excluded
Dual Room Kindergarten	New		240m²	\$2,900	696,000
Community meeting space	New		110m <sup>2</sup>	\$2,600	286,000
Group Room	New		30m <sup>2</sup>	\$2,800	84,000
MCH rooms	New		40m <sup>2</sup>	\$2,800	112,000
Breastfeeding room	New		16m²	\$2,800	44,800
Meeting/interview rooms	New		20m <sup>2</sup>	\$2,600	52,000
Techers Office	New		20m²	\$2,800	56,000
Staff rooms	New		25m <sup>2</sup>	\$2,800	70,000
Kitchen	New		26m²	\$4,000	104,000
Toilets for staff and children	New		64m²	\$4,000	256,000
Cleaners Cupboard	New		9m²	\$2,400	21,600
Waiting area	New		12m <sup>2</sup>	\$2,800	33,600
Equipment Storage	New		40m <sup>2</sup>	\$2,400	96,000
Foyer, lobby and corridors	New		260 m <sup>2</sup>	\$2,600	676,000
Entry Canopy and verandah	New		150m²	\$1,200	180,000
TOTAL - BUILDING COST (TBC)	25		1062 m2	\$2,606	2,768,000
7-E					
Asbestos removal					excluded
Site decontamination					excluded
Carparking, civil, landscape and irrigation works			1814m²	\$250	453,500
Outdoor area for kindergarten and community			1124m²	\$400	449,600
			2011		14-7-40-14-14-14-14-14-14-14-14-14-14-14-14-14-
External services and infrastructure upgrades		5.00%			138,000
Building maintenance - 1 year					Excluded
Landscape maintenance - 1 year					Excluded
ESD Options					excluded
Locality allowance					excluded
Additional costs for staging					excluded
Design Contingency		5.00%			190,000
Contruction Contingency		10.00%			381,000
TOTAL - CONSTRUCTION COST (TCC)			1062 m2	\$4,125	4,381,000

### Shepparton

### COST PLAN SUMMARY

NE DCP Community Facility

Cost Plan 1 rev C Concept Design

### **Community Facility**



10 July 2018

COST COMPON	IENT					Area m2	\$/m²	\$
Council fes Authority Fees Traffic manag Environment I Survey/Design Supervision & Site established Temporary ref Furniture, furn	ement Management n project man ment location of ex nishings and	isting faciliti equipment	es		3.25% 1.00% 2.00% 0.50% 5.00% 9.00% 2.50%	Area miz	<b>4</b> /111	Excluded 44,000 88,000 22,000 219,000 394,000 110,000 excluded excluded
Property purc	hase	*	2)			1062 m2	\$4,951	excluded <b>5,258,000</b>
TOTAL - PROJE	.01 0031 (11	C) (Jul, 201)	5)			1002 1112	\$4,33I	3,238,000
Cost Escalatio	n							
Up To	Date	Months	% / year	Weighting	Total %			
Tender	Jul, 19	12	3.00%	100%	3.00%			excluded
Completion	Jul, 20	12	3.00%	70%	2.10%			excluded
Project Risk a Goods and Se		tingency			1.50% 10.00%	,		excluded excluded
TOTAL - END	COST (TEC) (	Jul, 2020)				1062 m2	\$4,951	5,258,000

**6.2.3** Open space project cost estimates

### EXECUTIVE SUMMARY

Local & District Park & Retarding Basin Cost Plan No. 1

Concept Design

5 July 2018



### **Introduction**

The Cost Plan is based on Concept Design documents from Outlines.

### **Cost Estimates**

The current anticipated Total End Cost is \$3,755,000.

District Park \$2,615,000 Local Park \$640,000 Retardation Basin \$500,000

Refer to the attached Cost Plan No. 1 for details.

### **Inclusions**

The Cost Plan includes allowances for the following:

- · Building works
- · External works and external services
- Demolition
- Landscaping
- Design contingencies
- Contract contingencies
- · Consultants' fees
- · Supply authority charges

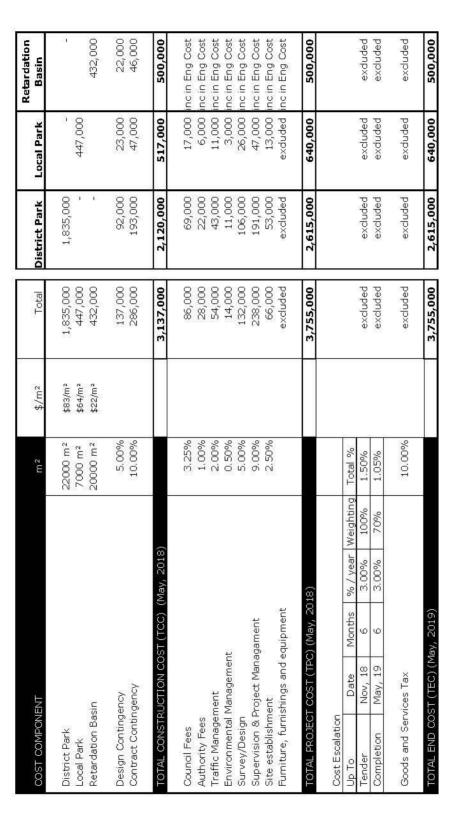
### **Exclusions**

The Cost Plan excludes the following:

- Rock excavation
- · Site decontamination
- · Rainwater harvesting
- · IT and Communications equipment
- Disbursements
- · Furniture, furnishings and equipment
- Cost escalation up to completion of construction May, 2019
- · Cost escalation after May, 2019
- · GST
- Additional costs for staging of the works

Concept Design

5 July 2018





# DETAILED COST PLAN

Local & District Park & Retarding Basin Cost Plan No. 1

Concept Design

5 July 2018



 Buildings and Paved Area
 1540 m²

 Soft Landscape Area
 20460 m²

 Total
 22000 m²

	Quantity	Rate	Total
EXTERNAL WORKS			5
XP Site Preparation			
Demolition/site scraping	Provisional		265,000
Bulk earthworks including cut and fill to new levels	Provisional		60,000
Site decontamination	Excluded		-
Total Site Preparation	\$211.04/m²FE \$14.77/m²GFA	2.000-7	325,000
XR Roads and Paving	\$14.77/III-GFA	1	325,000
AR Roads and Faving			
100mm thick pedestrian grade plain concrete paving	1092 m²	100.00	109,200
Asphalt multi-use half court on base	293 m²	80.00	23,440
Line marking	Item		2,500
50mm cement stabilised granitic sand with steel edging and brush- rock base	ed 155 m²	40.00	6,200
605 82 83 84 H50 20000 69	\$91.78/m²FEC	:A	1227/2021/2019 101/2021/2021
Total Roads and Paving	\$6,42/m2GFA	1	141,340
XN Fences and Walls			
Perimeter post and rail fencing	221 m	250.00	55,250
Tree protection fencing	Nil		Φ
	\$35.88/m²FEC	:A	
Total Fences and Walls  XB External Buildings, Structures and Furniture	\$2.51/m²GFA		55,250
Furniture and Fixtures			
rumiture and rixtures			
Bike racks including footings	3 No	600.00	1,800
Rubbish bins (dual)	3 No	2,500.00	7,500
Park bench with backrest	4 No	2,000.00	8,000
Pianic table	3 No	4,000.00	12,000
Picnic shelter (Prefab)	Item		20,000
BBQ	Provisional		10,000
		ļ l	

3136-1a Parks.xlsm District Park

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DETAILED COST PLAN
District Park

Local & District Park & Retarding Basin Cost Plan No. 1

Concept Design

5 July 2018



Buildings and Paved Area	1540 m²
Soft Landscape Area	20460 m²
Total	22000 m²

	Quantity	Rate	Total
Basketball ring	Item		5,000
Playground equipment	Provisional		350,000
Single prefabricated toilet	Provisional		150,000
	\$366.43/m²FE	CA	
Total External Buildings, Structures and Furniture	\$25.65/m²GFA		564,300
XL Landscaping			
Hydromulched grass and 100mm topsoil	19915 m²	10.00	199,150
Garden bed with 200mm topsoil and 75mm organic mulch	179 m²	30.00	5,370
Irrigation - to all garden beds and grass	Provisional		205,000
Organic softfall mulch	366 m²	25.00	9,150
150mm pot plants to garden beds (6/m2)	Item		21,500
45L pot trees	110 No	250.00	27,500
Establishment and maintenance for 104 weeks	Item		104,000
Artwork	Excluded		÷
	\$371.21/m²FE	CA	
Total Landscaping	\$25.99/m²GFA		571,670
STATE OF STATE AS INVASTORATED CASTACLES AND ANALYSIS ANA	\$1076,62/m²Fl	ECA	en campionale non-pension
Sub-total EXTERNAL WORKS	\$75.36/m²GFA		1,658,000
EXTERNAL SERVICES	T		
XK Stormwater Drainage			
Stormwater drainage	Provisional		65,000
Swale	Provisional		37,000
	\$66,23/m²FEC	4	
Total Stormwater Drainage	\$4.64/m²GFA	278*	102,000
XD Sewer Drainage			
Sewer drainage	Provisional		15,000
Total Sewer Drainage	\$9.74/m²FECA \$0.68/m²GFA		15,000
XW External Water Services	φοιουγιτί στη		20,000
Connection to existing water system	Provisional		11,000

3136-1a Parks.xlsm District Park

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# DETAILED COST PLAN District Park

Local & District Park & Retarding Basin Cost Plan No. 1

Concept Design

5 July 2018



Buildings and Paved Area	1540 m²
Soft Landscape Area	20460 m²
Total	22000 m²

Quantity	Rate	Total
1 No	7,000.00	7,000
\$11.69/m²FEC	Α	
\$0.82/m²GFA		18,000
Excluded		¥
SERVICE PRODUCTION AND REPORT	3	
52 E		
\$0.00/m²GFA	8	10.00
Nil		<u>型</u>
\$0.00/m²FECA	Ŷ	
\$0.00/m²GFA		9 <u>=</u>
Provisional		42,000
SPECIFICATION AND ADDRESS OF THE PROPERTY OF T	A	
\$1.91/m²GFA		42,000
Excluded		<u>~</u>
\$0.00/m²FECA		
\$0.00/m²GFA		THE .
20000		
Nil		=
#0.00/m2EEC0		
	`	
5. 55	CA I	
\$55,000,000,000,000,000,000,000,000,000,		177,000
	8.00%	<b>S</b>
26	771057 174	4 00= 05=
	ļ.	1,835,000
	¥	3,755,000
	1 No \$11.69/m²FEC \$0.82/m²GFA  Excluded  \$0.00/m²FECA \$0.00/m²GFA  Nil  \$0.00/m²GFA  Provisional  \$27.27/m²FEC \$1.91/m²GFA  Excluded  \$0.00/m²FECA \$0.00/m²GFA  Nil  \$0.00/m²FECA \$0.00/m²GFA	\$11.69/m²FECA \$0.82/m²GFA  Excluded  \$0.00/m²FECA \$0.00/m²GFA  Nill  \$0.00/m²GFA  Provisional  \$27.27/m²FECA \$1.91/m²GFA  Excluded  \$0.00/m²FECA \$1.91/m²GFA  Nill  \$0.00/m²FECA \$1.91/m²GFA  \$1.91/m²GFA

3136-1a Parks.xlsm District Park

# DETAILED COST PLAN Local Park

Local & District Park & Retarding Basin Cost Plan No. 1

Concept Design

5 July 2018



Buildings and Paved Area	346 m²		
Soft Landscape Area	6654 m²		
Total	7000 m²		

	Quantity	Rate	Total
Irrigation - to kick about area and garden beds	Provisional		30,000
Organic softfall mulch	268 m²	25.00	6,700
150mm pot plants to garden beds (6/m2)	Item		8,000
Salada da empresa de la compressa de processo de la compressa	5000 State CATA		
45L pot trees	58 No	250.00	14,500
Establishment and maintenance for 104 weeks	Item		52,000
Artwork	Excluded		2
Total Landscaping	\$509.60/m²FE	185107	176 220
Total Landscaping	\$25.19/m²GFA		176,320
Sub-total EXTERNAL WORKS	\$1153.18/m²F \$57.00/m²GFA		399,000
EXTERNAL SERVICES			
XK Stormwater Drainage			
Stormwater drainage	Provisional		25,000
Swale	Provisional		23,000
	\$138.73/m²FE	CA	
Total Stormwater Drainage	\$6.86/m²GFA		48,000
XD Sewer Drainage			
Sewer drainage	Nil		-
	\$0.00/m²FECA		3
Total Sewer Drainage	\$0.00/m2GFA		£50.
XW External Water Services	<del></del>		
Connection to existing water system	Nil		=
Drinking fountain and refill post	Nil		2
	\$0.00/m²FECA		
Total External Water Services	\$0.00/m²GFA		# <del>**</del>
XF External Fire Services			
External fire services	Excluded		恩
Total External Fire Services	\$0.00/m²FECA		
Total External Fire Services  XG External Gas Services	\$0.00/m²GFA		
XG External Gas Services			
l <sub>i</sub>	J.	. t	

3136-1a Parks.xlsm Local Park

### DETAILED COST PLAN **Local Park**

Local & District Park & Retarding Basin

Cost Plan No. 1

5 July 2018

Concept Design



**Buildings and Paved Area** 346 m² 6654 m² Soft Landscape Area Total 7000 m²

	Quantity Rat	e Total
Connection to existing gas system	Nil	÷
	\$0.00/m²FECA	
Total External Gas Services	\$0.00/m²GFA	13=
XE External Electrical Services		
Electrical services	Nil	-
	\$0.00/m²FECA	
Total External Electrical Services	\$0.00/m²GFA	89 <u>-2</u>
XC External Communications		8
Nil	Excluded	
	\$0.00/m²FECA	8
Total External Communications	\$0.00/m²GFA	10 m
XS External Special Services		
External special services	Nil	1
	\$0.00/m²FECA	
Total External Special Services	\$0.00/m2GFA	₩ <u>₩</u>
	\$138.73/m²FECA	
Sub-total EXTERNAL SERVICES	\$6.86/m²GFA	48,000
PRELIMINARIES, OVERHEADS AND PROFIT	8.00%	/0 -
TOTAL - SITEWORKS COST (TSC)		447,000
TOTAL - END COST (TEC) (Refer Cost Plan Summary)		3,755,000

3136-1a Parks.xlsm Local Park Page 9

DETAILED COST PLAN Retarding Basin

Local & District Park & Retarding Basin Cost Plan No. 1

Concept Design

5 July 2018



 Buildings and Paved Area
 874 m²

 Soft Landscape Area
 19126 m²

 Total
 20000 m²

	Quantity	Rate	Total
EXTERNAL WORKS			
XP Site Preparation			
Demolition/site scraping	Provisional		inc in Eng Costing
Bulk earthworks including basin and cut and fill to new levels	Provisional		inc in Eng Costing
Site decontamination	Excluded		\$
Total Site Preparation	\$0.00/m²FECA \$0.00/m²GFA	<b>\</b>	22
XR Roads and Paving			
50mm cement stabilised granitic sand with steel edging and brush rock base	ned 627 m²	40.00	25,080
Fine crushed rock maintenance access track	247 m²	35.00	8,645
Total Roads and Paving	\$38.59/m²FEC \$1.69/m²GFA	A.	33,725
XN Fences and Walls			
Bollards	2 No	800.00	1,600
Tree protection fencing	Nil		8=0
Total Fences and Walls	\$1.83/m²FEC <i>A</i> \$0.08/m²GFA	<b>\</b>	1,600
XB External Buildings, Structures and Furniture			-
Furniture and Fixtures			
Park bench with backrest	2 No	2,000.00	4,000
	\$4.58/m²FEC <i>A</i>	¥s.	
Total External Buildings, Structures and Furniture  XL Landscaping	\$0.20/m²GFA		4,000
Hydromulched grass and 100mm topsoil	14125 m²	10.00	141,250
Wetland planting	4231 m²	40.00	169,240
vvetaria pranting	4231 111-	40.00	109,240
Rock lining to bed creek	770 m²	55.00	42,350
Rock lining to sed basin	337 m²	70.00	23,590
Irrigation	Nil		0=0
45L pot trees	62 No	250.00	15,500

3136-1a Parks.xlsm Retardation Basin

### DETAILED COST PLAN **Retarding Basin**

Local & District Park & Retarding Basin Cost Plan No. 1

plancost

Concept Design

5 July 2018

Buildings and Paved Area	874 m²		
Soft Landscape Area	19126 m²		
Total	20000 m²		

	Quantity	Rate Total
stablishment and maintenance for 52 weeks	Excluded	\$E
F	= 1.1.1	***
rtwork	Excluded	
	\$448.43/m²FECA	
Total Landscaping	\$19.60/m²GFA	391,930
	\$494.28/m²FECA	Ì
Sub-total EXTERNAL WORKS	\$21.60/m²GFA	432,000
EXTERNAL SERVICES	M2 me	**
XK Stormwater Drainage		
tormwater drainage	Item	inc in Eng Costing
290		32 5324
	\$0.00/m²FECA	
Total Stormwater Drainage	\$0.00/m²GFA	<u></u>
(D Sewer Drainage		
	25	
ewer drainage	Nil	32
Total Course Dunings	\$0.00/m²FECA	\$100
Total Sewer Drainage	\$0.00/m²GFA	
W External Water Services		
xternal water services	Nil	054
F11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	\$0.00/m²FECA	
Total External Water Services	\$0.00/m²GFA	-
(F External Fire Services		
xternal fire services	Excluded	
Aterrial III e services	Excluded	400
	\$0.00/m²FECA	
Total External Fire Services	\$0.00/m²GFA	
KG External Gas Services		İ
onnection to existing gas system	Nil	683
	\$0.00/m²FECA	
Total External Gas Services	\$0.00/m²GFA	=======================================
XE External Electrical Services		
lectrical services	Nil	921
	\$0,00/m²FECA	
Total External Electrical Services	\$0.00/m²GFA	
XC External Communications		

3136-1a Parks.xlsm Retardation Basin

### DETAILED COST PLAN Retarding Basin

Local & District Park & Retarding Basin Cost Plan No. 1

Concept Design

5 July 2018



Buildings and Paved Area	874 m²		
Soft Landscape Area	19126 m²		
Total	20000 m²		

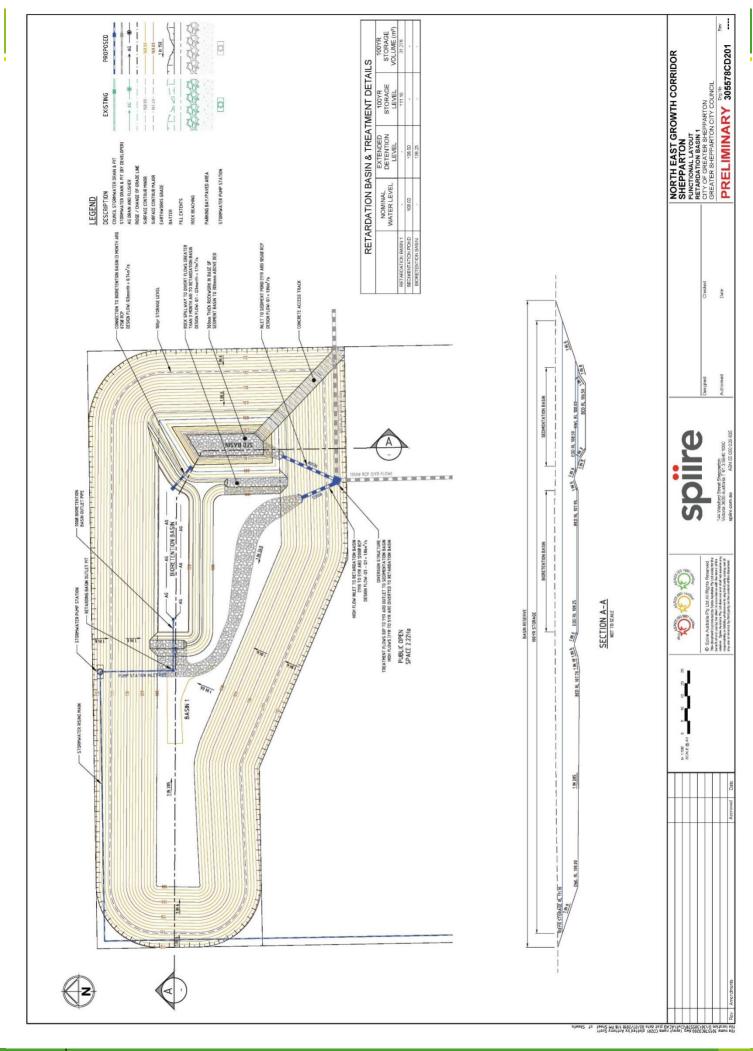
	Quantity	Rate	Total
Nil	Excluded		6 <del>4</del> 3
100 V 10	\$0.00/m²FECA	1	
Total External Communications	\$0.00/m²GFA		(4)
XS External Special Services			
External special services	Nil		
	\$0.00/m²FECA		
Total External Special Services	\$0.00/m²GFA		=
	\$0.00/m²FECA		
Sub-total EXTERNAL SERVICES	\$0,00/m²GFA	5	)#3
PRELIMINARIES, OVERHEADS AND PROFIT		8.00%	<del>=</del>
TOTAL - SITEWORKS COST (TSC)	5		432,000







**6.2.4** Drainage infrastructure cost estimates



# **CATCHMENT 1 BASIN COSTS**

Item	Description	Quantity	Unit	Rate	Amount	Comments
				\$	\$	
	<u>WORKS</u>					
1	SITEWORKS AND EARTHWORKS					
1.1	Site preparation		ltem			Refer to item 4.6.
1.2	Stripping of topsoil	20300	m2	\$0.25	\$5,075	
1.3	Basin excavation	56000	m3	\$5.00	\$280,000	
1.4	Sedimentation Pond and Bio Retention Excavation	1230	m3	\$10	\$12,300	
1.5	Final Trimming and Shaping	1	ltem	\$10,000	\$10,000	
1.6	Topsoil replacement	20300	m2	\$0.50	\$10,150	
2	DRAINAGE STRUCTURES					
2.1	DRAINAGE PIPES					
2.1.1	300dia. RCP	50	LM	\$150	\$7,500	
2.1.2	675dia. RCP	11	LM	\$290	\$3,190	
2.1.3	1050dia. RCP	25	LM	\$590	\$14,750	
2.1.4	1200dia. RCP	15	LM	\$650	\$9,750	
2.2	DRAINAGE PITS					
2.2.1	Diversion Pit	1	No.	\$20,000	\$20,000	
2.2.2	600x600 Grated Junction Pit	1	No.	\$2,000	\$2,000	
2.2.3	900x900 Grated Junction Pit	2	No.	\$2,500	\$5,000	
2.3	HEADWALLS					
2.3.1	1050dia	1	No.	\$6,000	\$6,000	
2.3.2	1200dia	1	No.	\$7,000	\$7,000	
2.4	BIO RETENTION AREA					

2.4.1	150dia. slotted pipe including filter media 0.5m deep	600	m2	\$90	\$54,000	
2.4.2	Permeable liner	750	m2	\$7	\$5,250	
2.4.3	Fitting, risers, non-return valves, etc	1	item	\$5,000	\$5,000	
3	MISCELLANEOUS					
3.1	General Rock work (150dia.)	670	m2	\$40	\$26,800	
3.2	Sedimentation Pond Rockwork Base (300dia.)	330	m2	\$90	\$29,700	
3.3	Sedimentation Pond Clay Lining	860	m2	\$10	\$8,600	
3.4	Concrete Access Track	250	m2	\$80	\$20,000	
	SUB-TOTAL WORKS				\$542,065	
4	DELIVERY					
4.1	Council Fees	3.25	%		\$17,617	
4.2	Traffic Management	5.00	%		\$27,103	
4.3	Environmental Management	0.50	%		\$2,710	
4.4	Survey & Design	10.00	%		\$54,207	
4.5	Supervision & Project Management	5.00	%		\$27,103	
4.6	Site Establishment	2.50	%		\$13,552	
4.7	Contingency	15.0	%		\$81,310	
	SUB-TOTAL DELIVERY				\$223,602	
5	5 TOTAL ESTIMATED COST				\$765,667	

### **OUTFALL INFRASTRUCTURE COSTS - CATCHMENT 1**

Item	Description	<b>UCTURE</b> Quantity	Unit	Rate	Amount	Comments
				\$	\$	
				9	<b>;</b>	
	WORKS					
1	PUMPSTATION WORKS AND RISING MAIN WORKS					
1.1	Stormwater Pump Station	1	ltem	\$140,000	\$140,000	
1.2	Pump Station Installation	1	ltem	\$50,000	\$50,000	
1.3	Pump Station Electrical Supply	1	ltem	\$10,000	\$10,000	
1.4	160dia. Rising Main (100%) Including flow control cable	250	LM	\$100	\$25,000	
1.6	250dia. Rising Main (40%) Including flow control cable	960 x 40%	LM	\$140	\$53,760	Part share with catchment 3.
1.7	Dispersion Pit for Outlet	0.5	Item	\$10,000	\$5,000	
1.8	Rock Beaching in Drain	0.5	item	\$2500	\$1,250	
1.9	Rising Main Fittings	1	item	\$10,000	\$10,000	
	SUB-TOTAL WORKS				\$295,010	
2	DELIVERY					
2.1	Council Fees	3.25	%		\$9,588	
2.2	Traffic Management	5.00	%		\$14,751	
2.3	Environmental Management	0.50	%		\$1,475	
2.4	Survey & Design	10.00	%		\$29,501	
2.5	Supervision & Project Management	5.00	%		\$14,751	
2.6	Site Establishment	2.50	%		\$7,376	
2.7	Contingency	15.0	%		\$44,252	
	SUB-TOTAL DELIVERY				\$121,694	
3	TOTAL ESTIMATED COST				\$416,704	

# **OUTFALL INFRASTRUCTURE COSTS – CATCHMENT 2**

Item	Description	Quantity	Unit	Rate	Amount	Comments
				\$	\$	
	WORKS					
1	PUMPSTATION WORKS AND RISING MAIN WORKS					
1.1	Stormwater Pump Station	1	ltem	\$140,000	\$140,000	
1.2	Pump Station Installation	1.	ltem	\$50,000	\$50,000	
1.3	Pump Station Electrical Supply	1	ltem	\$10,000	\$10,000	
1.4	160dia. Rising Main (100%)	600	LM	\$100	\$60,000	
1.5	Including flow control cable Dispersion Pit for Outlet	0.5	ltem	\$10,000	\$5,000	
1.6	Rock Beaching in Drain	0.5	item	\$2500	\$1,250	
1.7	Rising Main Fittings	1.	item	\$10,000	\$10,000	
	SUB-TOTAL WORKS				\$276,250	
2	DELIVERY					
2.1	Council Fees	3.25	%		\$8,978	
2.2	Traffic Management	5.00	%		\$13,813	
2.3	Environmental Management	0.50	%		\$1,381	
2.4	Survey & Design	10.00	%		\$27,625	
2.5	Supervision & Project Management	5.00	%		\$13,813	
2.6	Site Establishment	2.50	%		\$6,906	
2.7	Contingency	15.0	%		\$41,438	
	SUB-TOTAL DELIVERY				\$113,954	
3	3 TOTAL ESTIMATED COST \$390,204					

### **OUTFALL INFRASTRUCTURE COSTS – CATCHMENT 3**

Item	Description	Quantity	Unit	Rate	Amount	Comments
				\$	\$	
	WORKS					
1	PUMPSTATION WORKS AND					
	RISING MAIN WORKS					
1.1	Stormwater Pump Station	1	ltem	\$140,000	\$140,000	
1.2	Pump Station Installation	1,	ltem	\$50,000	\$50,000	
1.3	Pump Station Electrical Supply	1	ltem	\$10,000	\$10,000	
1.4	200dia. Rising Main (100%)	890	LM	\$120	\$106,800	
1.5	Including flow control cable 250dia. Rising Main (60%)	960 x 60%	LM	\$140	\$80,640	Part share with
	Including flow control cable					catchment 1.
1.6	Dispersion Pit for Outlet	0.5	ltem	\$10,000	\$5,000	
1.7	Rock Beaching in Drain	0.5	item	\$2500	\$1,250	
1.8	Rising Main Fittings	1	item	\$10,000	\$10,000	
	SUB-TOTAL WORKS				\$403,690	
2	DELIVERY					
2.1	Council Fees	3.25	%		\$13,120	
2.2	Traffic Management	5.00	%		\$20,185	
2.3	Environmental Management	0.50	%		\$2,018	
2.4	Survey & Design	10.00	%		\$40,369	
2.5	Supervision & Project Management	5.00	%		\$20,185	
2.6	Site Establishment	2.50	%		\$10,092	
2.7	Contingency	15.0	%		\$60,554	
3	SUB-TOTAL DELIVERY				\$166,523	
3	TOTAL ESTIMATED COST				\$570,213	

# **OUTFALL INFRASTRUCTURE COSTS – CATCHMENT 4**

Item	Description	Quantity	Unit	Rate	Amount	Comments
				\$	\$	
	WORKS					
1	PUMPSTATION WORKS AND RISING MAIN WORKS					
1.1	Stormwater Pump Station	1	ltem	\$140,000	\$140,000	
1.2	Pump Station Installation	1	ltem	\$50,000	\$50,000	
1.3	Pump Station Electrical Supply	1	ltem	\$10,000	\$10,000	
1.4	200dia. Rising Main (100%) Including flow control cable	310	LM	\$120	\$37,200	
1.5	Dispersion Pit for Outlet	0.5	ltem	\$10,000	\$5,000	
1.6	Rock Beaching in Drain	0.5	item	\$2500	\$1,250	
1.7	Rising Main Fittings	1	item	\$10,000	\$10,000	
SUB-TOTAL WORKS \$253,450						
2	DELIVERY					
2.1	Council Fees	3.25	%		\$8,237	
2.2	Traffic Management	5.00	%		\$12,673	
2.3	Environmental Management	0.50	%		\$1,267	
2.4	Survey & Design	10.00	%		\$25,346	
2.5	Supervision & Project Management	5.00	%		\$12,673	
2.6	Site Establishment	2.50	%		\$6,337	
2.7	Contingency	15.0	%		\$38,019	
	SUB-TOTAL DELIVERY				\$104,552	
3	TOTAL ESTIMATED COST				\$358,002	