



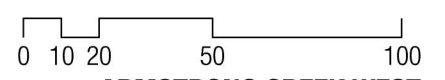


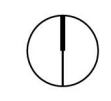


- LEGEND**
-  Pavilion
  -  Potential playground
  -  Carpark
  -  Possible path connections



**ARMSTRONG CREEK WEST**  
LAC RECREATION FACILITY  
DCP PRINCIPLES DIAGRAM

1:2000 @ A3      DATE: 14 OCTOBER 2011      JOB No. 1060  
 DWG No. LSK09      J:\1060 Armstrong Creek\5. Design\Current\1060 Armstrong Creek West LSK001-LSK003 (pkgs).dwg

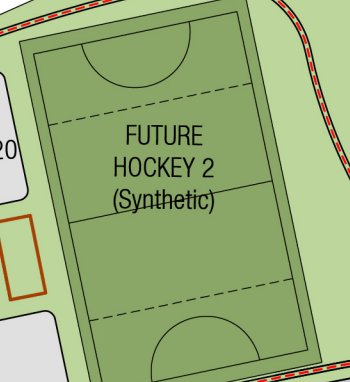
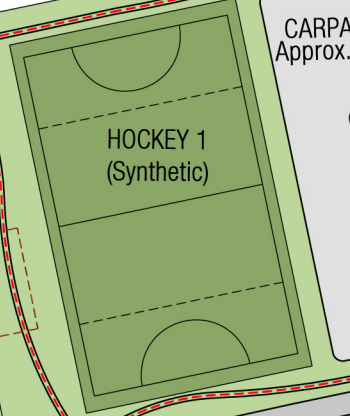
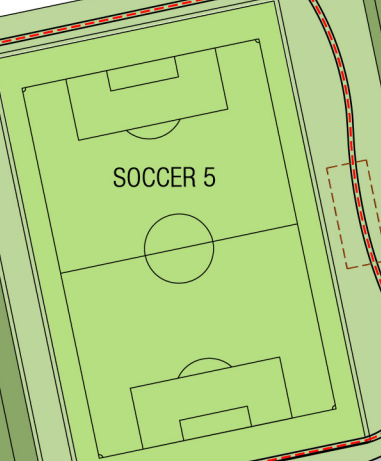
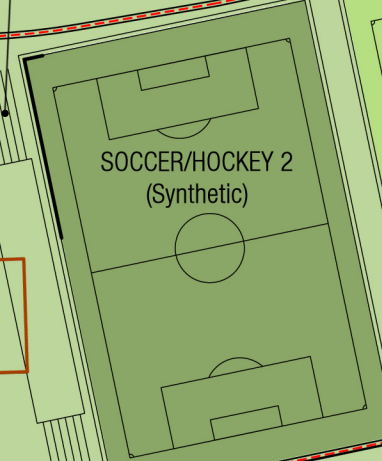
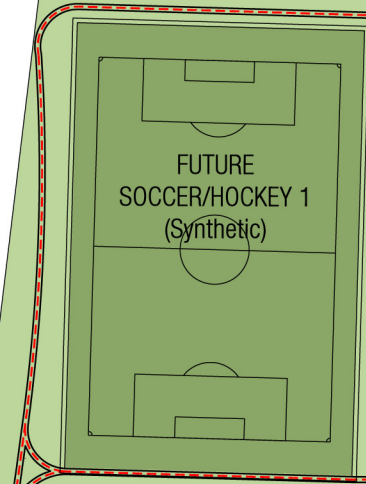


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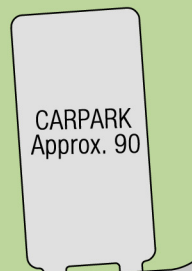
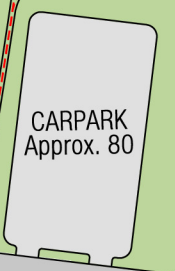


GHAZEPORE ROAD

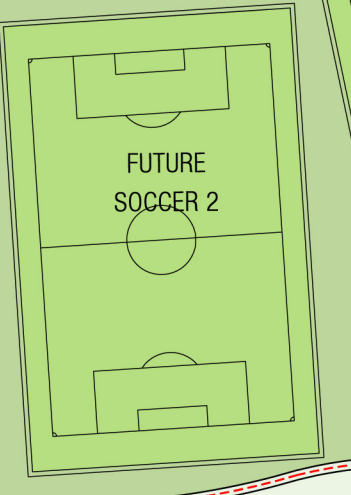
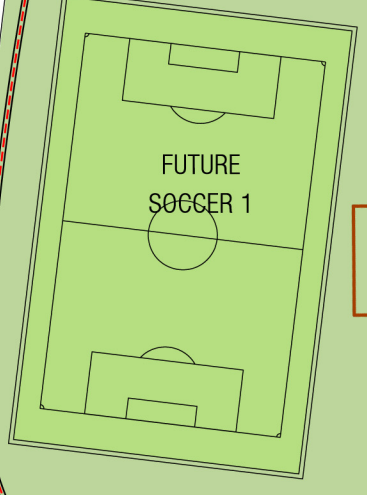
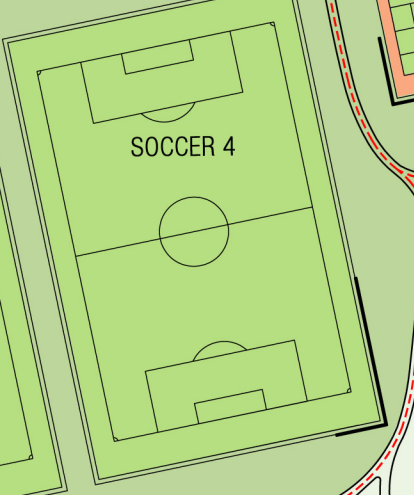
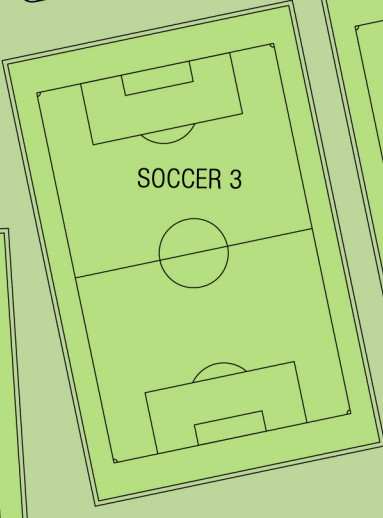
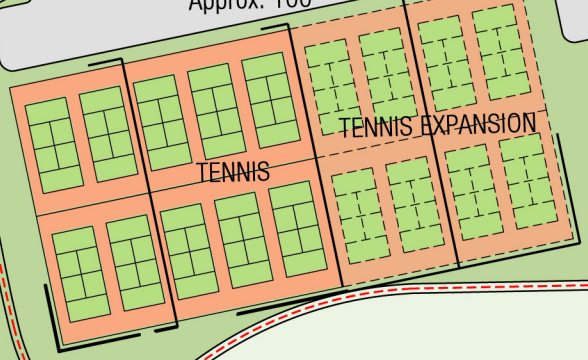
POTENTIAL TIERED SEATING AND ROOF FOR SOCCER/HOCKEY 2



CARPARK  
Approx. 120

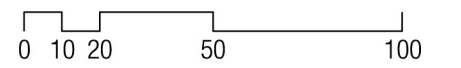


PLAYGROUND



ARMSTRONG CREEK

- LEGEND**
- PAVILION
  - PLAYGROUND
  - CARPARK



**ARMSTRONG CREEK WEST**  
REGIONAL RECREATION FACILITY  
DCP PRINCIPLES DIAGRAM

1:2000 @ A1      DATE: 14 OCTOBER 2011      JOB No. 1060  
 DWG No. LSK10 [REV B]      J:\1060 Armstrong Creek\5. Design\Current\Temp working files\1060 Armstrong Creek West [mdg\_28.09.29].dwg



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NOTE: Indicative layout only. Reserve subject to detailed design at later date.

NETBALL COURTS

CARPARK

BOWLING GREENS

POSSIBLE PLAYGROUND


OVAL 2

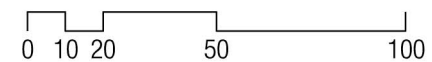
OVAL 1

POSSIBLE CRICKET NETS

POTENTIAL JUNIOR OVAL

**LEGEND**

-  Pavilion
-  Potential playground
-  Carpark
-  Possible path connections



**ARMSTRONG CREEK WEST**  
 NAC RECREATION FACILITY  
 DCP PRINCIPLES DIAGRAM

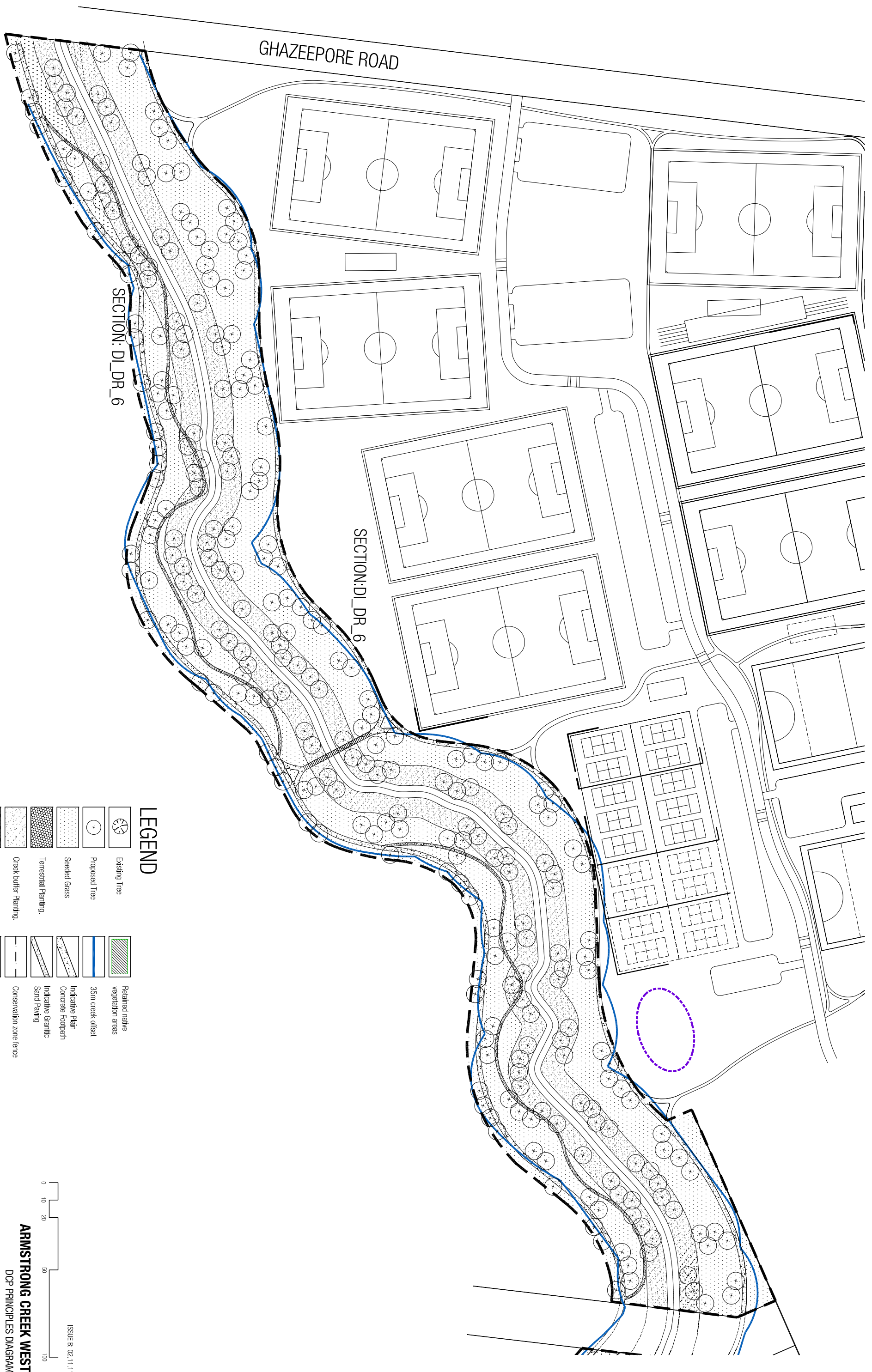
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 DWG No. LSK08 [REV A]      J:\1060 armstrong creek\5. design\current\temp working files\1060 Armstrong Creek West [mxd\29.09.11] B.dwg



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NOTE: Indicative layout only. Reserve subject to detailed design at later date.



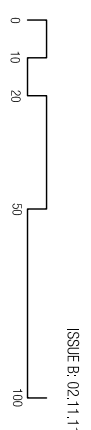
GHAZEEPORE ROAD

SECTION: DL\_DR\_6

SECTION: DL\_DR\_6

**LEGEND**

- |  |                        |  |  |
|--|------------------------|--|--|
|  | Existing Tree          |  | Retained native vegetation area        |
|  | Proposed Tree          |  | 30m creek offset                       |
|  | Seeded Grass           |  | Indicative Plan Concrete Footpath      |
|  | Terrestrial Planting   |  | Indicative Granitic Sand Paving        |
|  | Creek buffer Planting  |  | Conservation zone fence                |
|  | Offset site Refer VOMP |  | Shelter with BBQ and picnic facilities |
|  | Pedestrian Bridge      |  | Section Boundary                       |

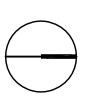


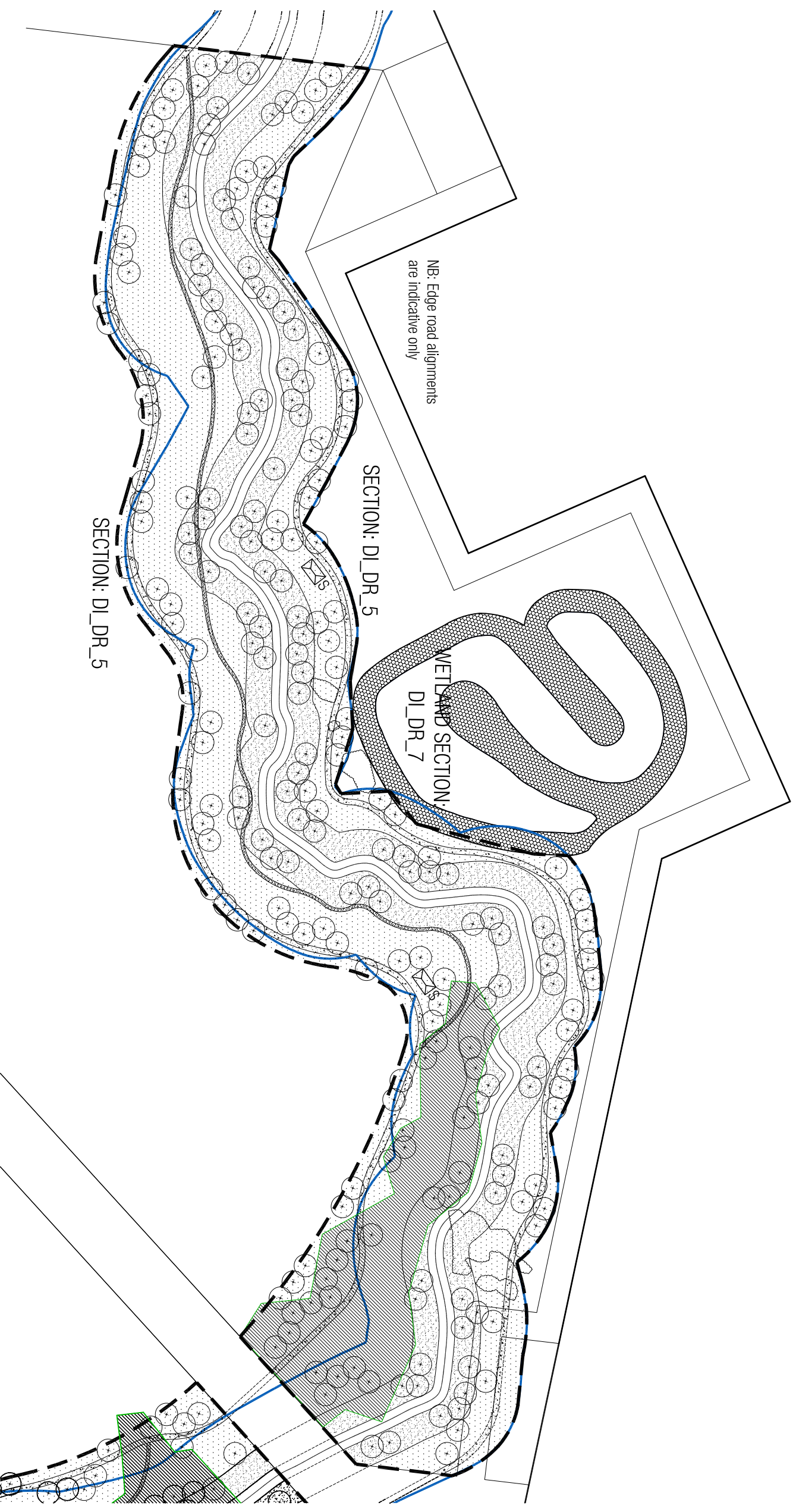
ISSUE R: 02.11.11

**ARMSTRONG CREEK WEST**  
DCP PRINCIPLES DIAGRAM  
**SECTION DL\_DR\_6**

1:2000 @ A3  
DWG No. 1060 LSR01  
DATE: AUGUST 2011  
JOB No. 1060  
20100 Armstrong Creek, DufferinComm009 Armstrong Creek West LSR01-LSR03 Rev B (RFS) S&P

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### LEGEND

- |  |                        |  |  |
|--|------------------------|--|--|
|  | Existing Tree          |  | Retained native vegetation areas       |
|  | Proposed Tree          |  | 35m creek offset                       |
|  | Seeded Grass           |  | Indicative Plain Concrete Footpath     |
|  | Terrestrial Planting   |  | Indicative Granite Sand Paving         |
|  | Creek buffer Planting  |  | Conservation zone fence                |
|  | Offset site Refer VOMP |  | Shelter with BBQ and picnic facilities |
|  | Pedestrian Bridge      |  | Section Boundary                       |



ISSUE R: 02.11.11

## ARMSTRONG CREEK WEST

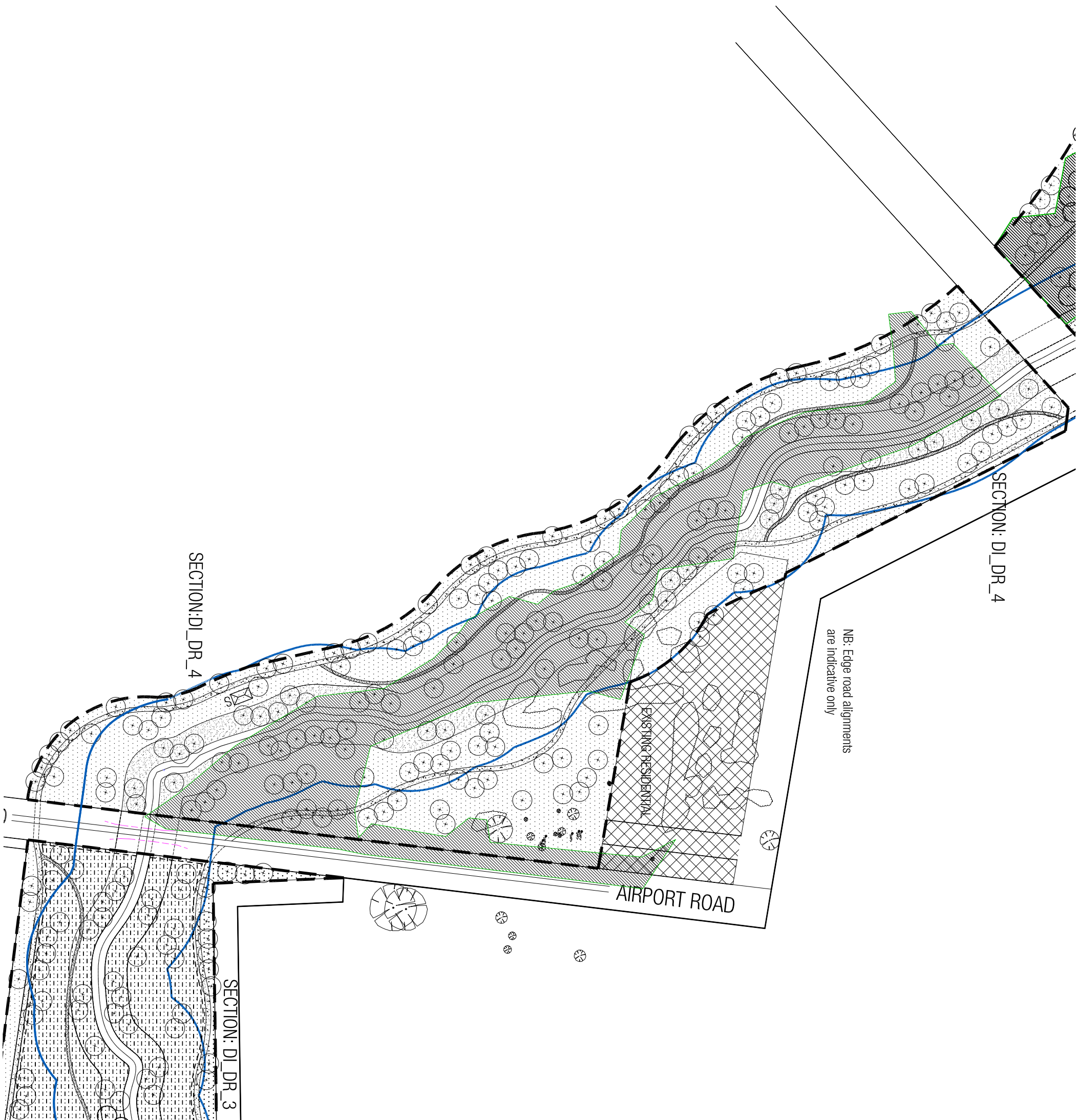
### DCP PRINCIPLES DIAGRAM

#### SECTION DI\_DR\_5

1:2000 @ A3  
 DWG No. 10601\_SNOZ  
 DATE: AUGUST 2011  
 JOB No. 1060

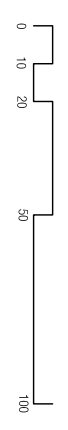
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### LEGEND

- |  |                        |  |  |
|--|------------------------|--|--|
|  | Existing Tree          |  | Retained native vegetation areas       |
|  | Proposed Tree          |  | 35m creek offset                       |
|  | Seeded Grass           |  | Indicative Plain Concrete Footpath     |
|  | Terrestrial Planting   |  | Indicative Granitic Sand Paving        |
|  | Creek buffer Planting  |  | Conservation zone fence                |
|  | Offset site Refer VOMP |  | Shelter with BBQ and picnic facilities |
|  | Pedestrian Bridge      |  | Section Boundary                       |

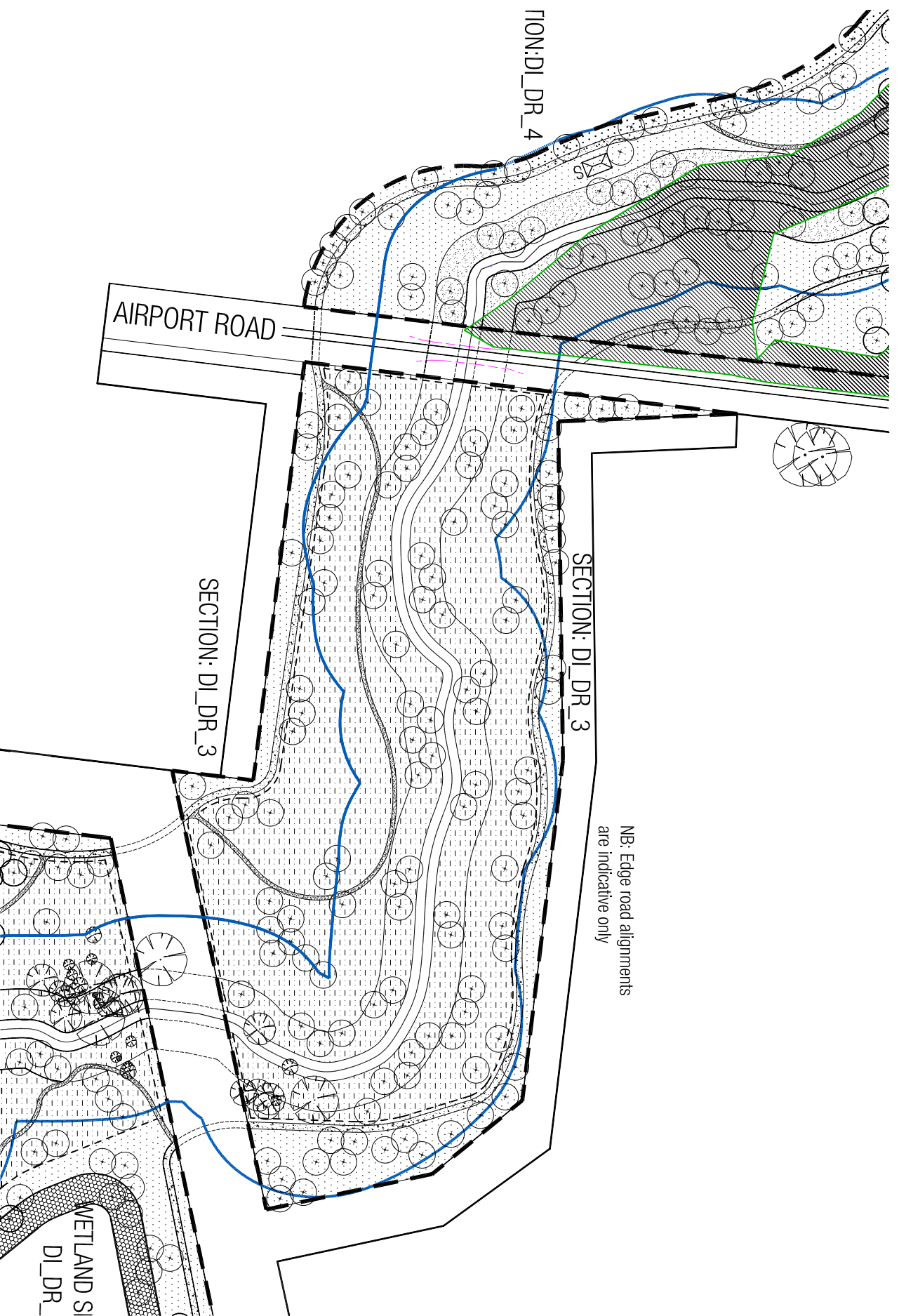


ISSUE B: 02.11.11

## ARMSTRONG CREEK WEST DCP PRINCIPLES DIAGRAM SECTION D1\_DR\_4

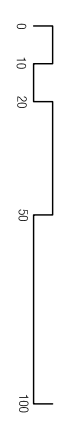
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DWG No. 10601 SW03  
DATE: AUGUST 2011  
JOB No. 1060

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**LEGEND**

- |  |                       |  |  |
|--|-----------------------|--|--|
|  | Existing Tree         |  | Retained native vegetation areas       |
|  | Proposed Tree         |  | 35m creek offset                       |
|  | Seeded Grass          |  | Indicative Palm Concrete Footpath      |
|  | Terrestrial Planting  |  | Indicative Granite Sand Paving         |
|  | Creek buffer Planting |  | Conservation zone fence                |
|  | Offset site           |  | Shelter with BBQ and picnic facilities |
|  | Rider VOMP            |  | Section Boundary                       |
|  | Pedestrian Bridge     |  |  |



**ARMSTRONG CREEK WEST**  
DCP PRINCIPLES DIAGRAM  
**SECTION DI\_DR\_3**

1:2000 @ A3  
DWG No. 10601.SM04  
DATE: AUGUST 2011  
JOB No. 1060

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ISSUE B: 02.11.11

SECTION: D1\_DR\_3

WETLAND SECTION  
D1\_DR\_15

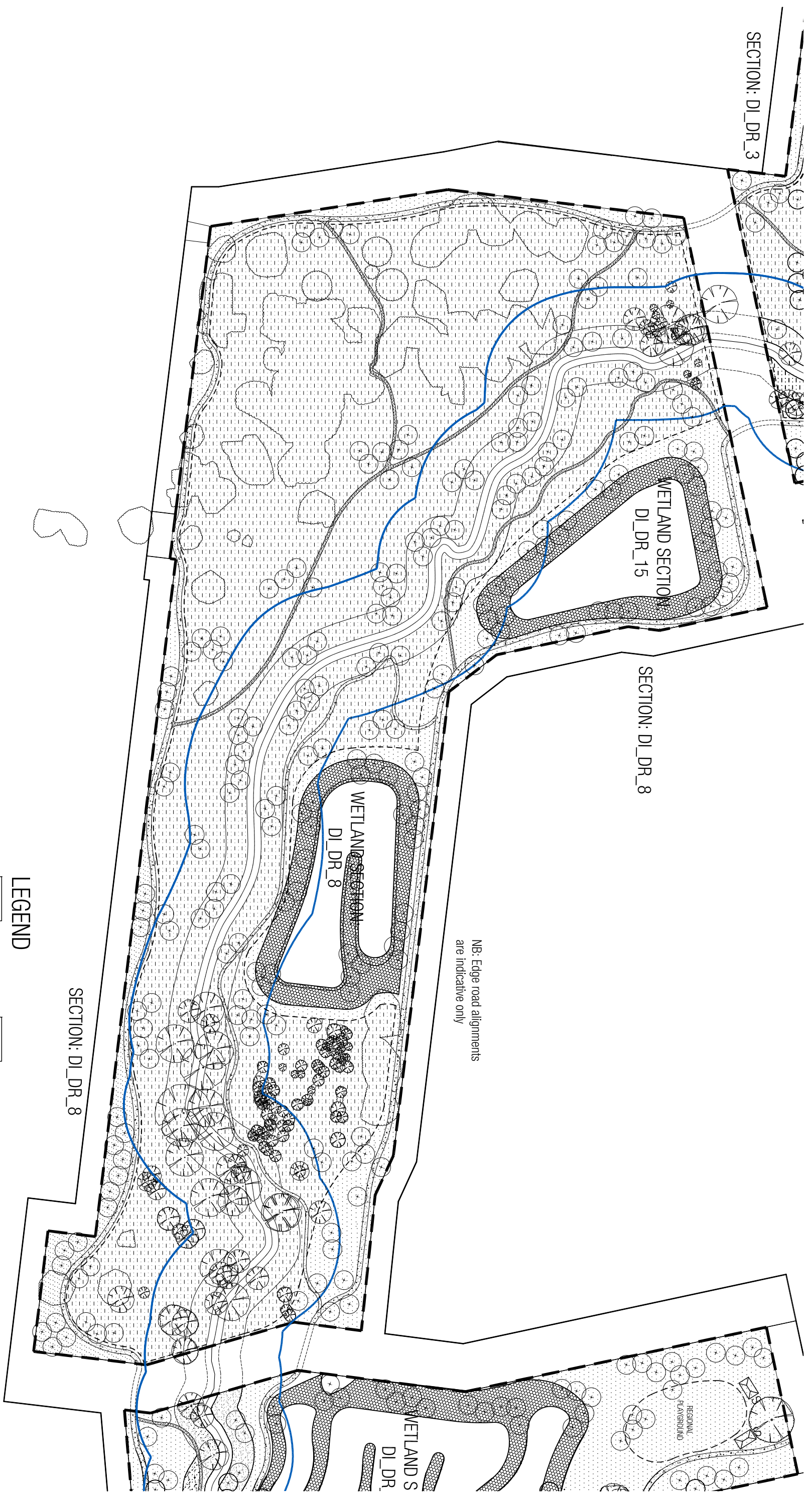
SECTION: D1\_DR\_8

WETLAND SECTION  
D1\_DR\_8

NB: Edge road alignments  
are indicative only

WETLAND S  
D1\_DR

REGIONAL  
PLAYGROUND



### LEGEND

- |  |                        |  |  |
|--|------------------------|--|--|
|  | Existing Tree          |  | Retained native vegetation grass       |
|  | Proposed Tree          |  | 35m creek offset                       |
|  | Seeded Grass           |  | Indicative Plant Concrete Footpath     |
|  | Terrestrial Planting   |  | Indicative Granite Sand Paving         |
|  | Creek buffer Planting  |  | Conservation zone fence                |
|  | Offset site Refer VOMP |  | Shelter with BBQ and picnic facilities |
|  | Pedestrian Bridge      |  | Section Boundary                       |

ISSUE R: 02.11.11

### ARMSTRONG CREEK WEST

#### DCP PRINCIPLES DIAGRAM

##### SECTION D1\_DR\_8

DATE: AUGUST 2011

JOB No. 1060

1:2000 @ A3

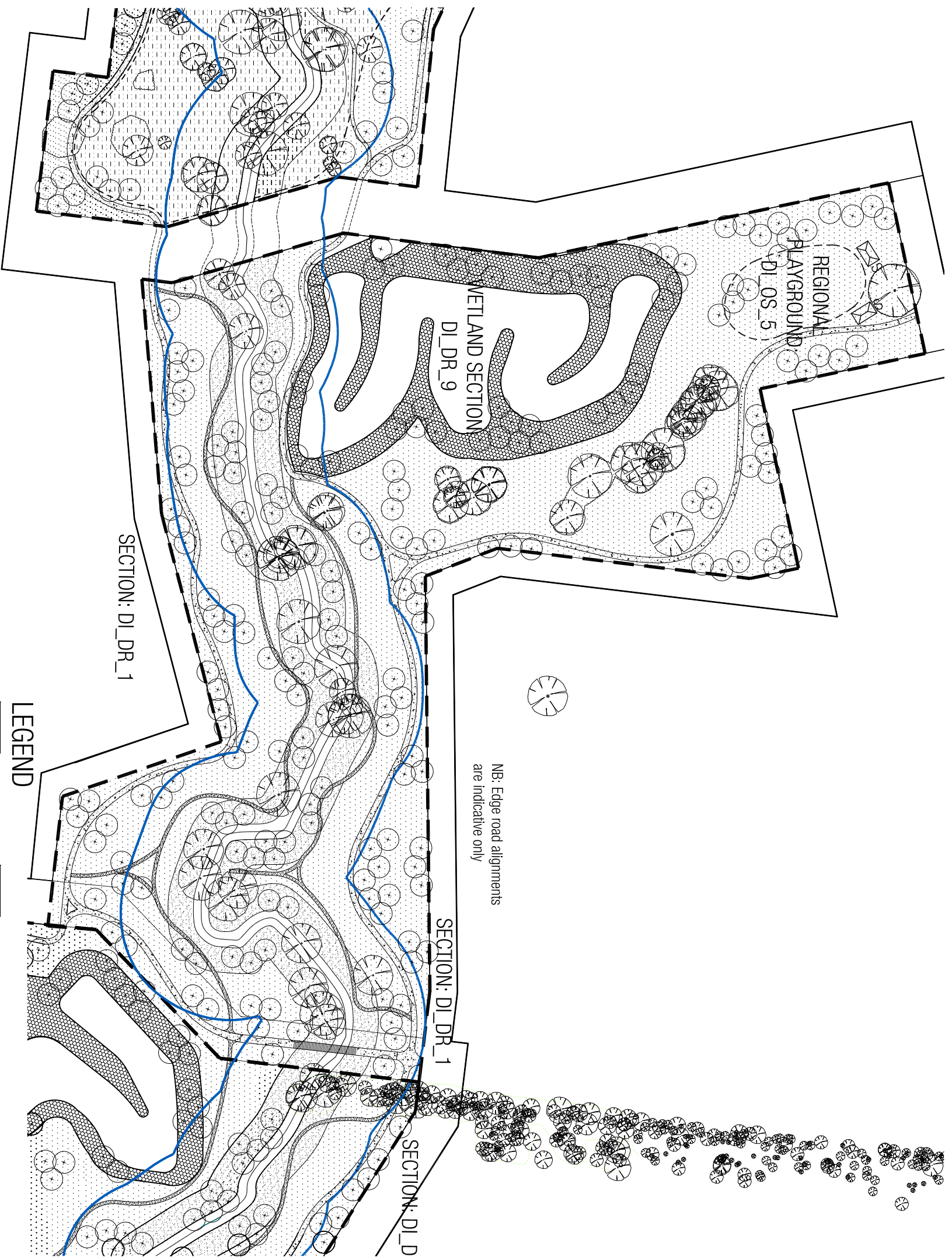
21/060 Armstrong Creek, Design/Construction Armstrong Creek West (3000-4300) Rev 8/10/11 SW:ang

DWG No. 1060 SW05



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 T: (03) 9088 4657  
 F: (03) 9088 4658  
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NB: Edge road alignments are indicative only

**LEGEND**

- |  |                        |  |  |
|--|------------------------|--|--|
|  | Existing Tree          |  | Retained native vegetation areas       |
|  | Proposed Tree          |  | 35m creek offset                       |
|  | Seeded Grass           |  | Indicative Plain Concrete Footpath     |
|  | Terrestrial Planting   |  | Indicative Granitic Sand Paving        |
|  | Creek buffer Planting  |  | Conservation zone fence                |
|  | Offset site Refer VOMP |  | Shelter with BBQ and picnic facilities |
|  | Pedestrian Bridge      |  | Section Boundary                       |



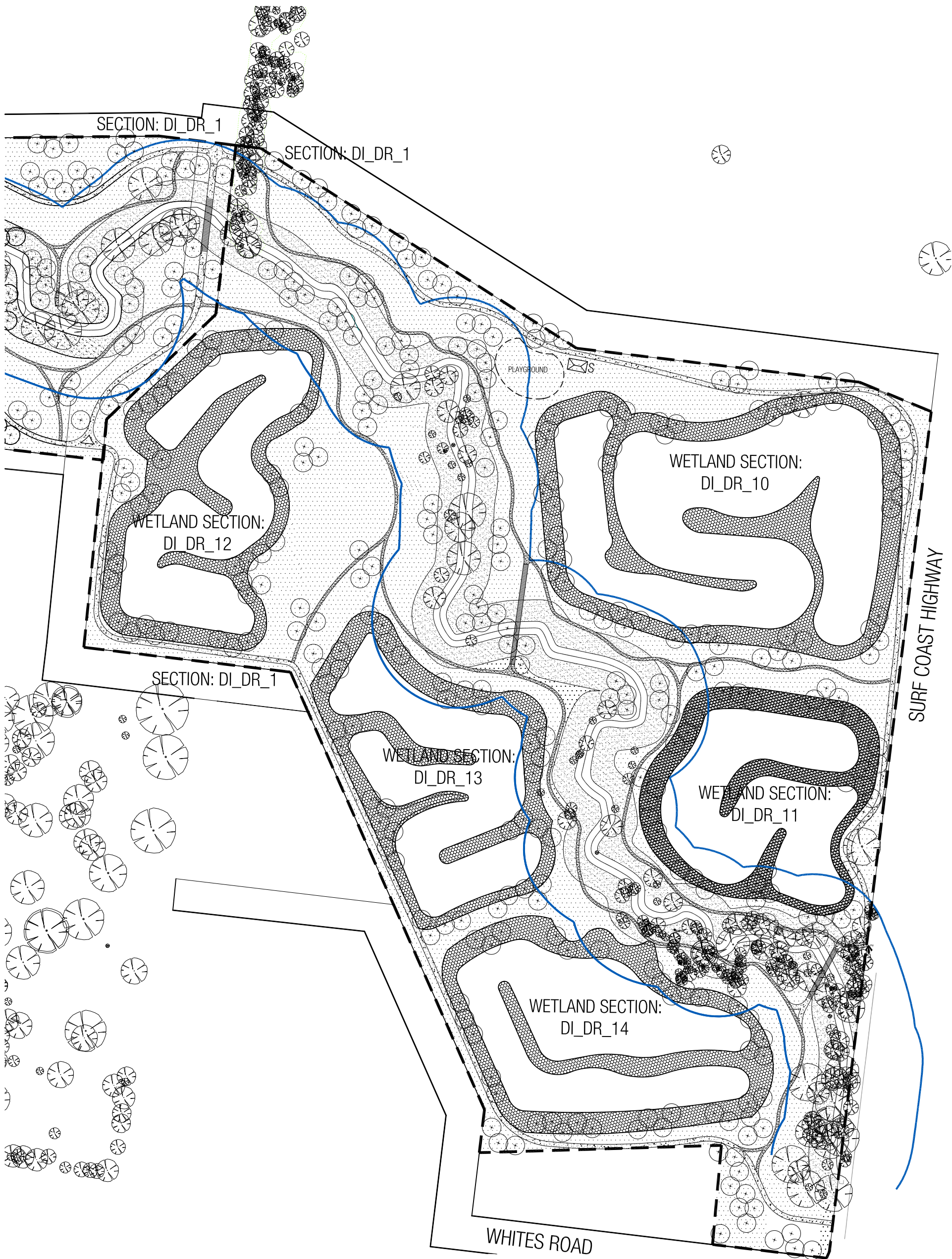
ISSUE R: 02.11.11

**ARMSTRONG CREEK WEST**  
DCP PRINCIPLES DIAGRAM  
**SECTION DR\_DL\_1**

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DATE: AUGUST 2011  
JOB No. 1060  
DWG No. 1060.LS006  
2:\1060 Armstrong Creek West\DCP\Documents\060 Armstrong Creek West\DCP01-LS003 Rev 8\DCP\_SitePlan.dwg

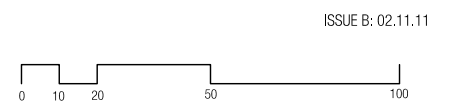
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**LEGEND**

- |  |                         |  |  |
|--|-------------------------|--|--|
|  | Existing Tree           |  | Retained native vegetation areas       |
|  | Proposed Tree           |  | 35m creek offset                       |
|  | Seeded Grass            |  | Indicative Plain Concrete Footpath     |
|  | Terrestrial Planting    |  | Indicative Granitic Sand Paving        |
|  | Creek buffer Planting   |  | Conservation zone fence                |
|  | Offset site. Refer VOMP |  | Shelter with BBQ and picnic facilities |
|  | Pedestrian Bridge       |  | Section Boundary                       |



ISSUE B: 02.11.11

**ARMSTRONG CREEK WEST**  
DCP PRINCIPLES DIAGRAM  
**SECTION DR\_DI\_1**

1:2000 @ A3 DATE: AUGUST 2011 JOB No.1060  
DWG No. 1060 LSK07 J:\1060 Armstrong Creek\5. Design\Current\1060 Armstrong Creek West LSK001-LSK003 Rev B FOR SAVE.dwg

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# Armstrong Creek West – Section: DI\_DR\_6

805 Linear metres of Creek

67,500 Section Area (m2)

Based on MDG drawing: 1060 Armstrong Creek - DCP Principles Diagram - LSK01

No.	Description	Unit	Qty	Rate	Amount
1	<b>PRELIMINARIES</b> Site establishment, OH&S, Tree Protection Zone fencing, setting out, insurances etc (10% of costs)	Item	1	10%	\$149,615
2	<b>SITE PREPARATION AND EARTHWORKS</b> Bulk earthworks – excavation & grading required to achieve design levels. General weed control to pathways, planting zones and grassed areas Detailed weed control to Creek Bed and Banks (assuming 3m banks and 1m beds) Trimming of subgrades (paths, garden beds and grassed areas) Cut down and remove weed tree species along creek line Erosion control	Item m2 m2 m2 Item item	1 55,629 5,635 55,629 1 1	\$25,000 \$0.50 \$2.00 \$0.50 \$30,000 \$15,000	\$25,000 \$27,815 \$11,270 \$27,815 \$30,000 \$15,000
3	<b>PAVING AND DECKING</b> <b>Paving:</b> 2.5m reinforced insitu concrete paving footpath on FCR base to CoGG standard 1.5m granitic sand gravel paving on FCR base <b>Decking:</b> Timber boardwalk/decking - allow 3% of pathway area Timber & steel pedestrian bridge crossing - 3.5m for shared pathway with clearances	m2 m2 m2 m2	4,706 4,471 1,182 235 147	\$80 \$25 \$600 \$800	\$357,656 \$29,550 \$141,180 \$117,600
4	<b>STRUCTURES</b> Picnic shelter	item	0		\$0
5	<b>SOFT LANDSCAPE</b> <b>Grassing:</b> Ground preparation, installation & cultivation of 100mm site topsoil (95% of soft 'sc area) Hydraulically seeded grass <b>Park Planting:</b> Additional trees: 45lt containers (1.8-2.2m high) Retained tree areas - assume weed control only <b>Creek Planting:</b> <i>Bed &amp; Banks areas (assuming 1m bed &amp; 3m banks either side)</i> Bed - Assume 15% of creek bed planted as tubestock @ 3 plants/m2 Banks - Assume tubestock @ 3 plants/m2 for bank stabilisation over 50% of length Terrestrial buffer to creek - 11.5m either side of creek planted as tubestock @ 3 plants/m2 <b>Edging:</b> Spade edging (between grassed and mulched areas)	m2 m2 no. m2 m2 m2 m2 lin.m	29,865 29,865 278 0 5,635 121 1,208 19,486 2,000	\$3 \$1.20 \$220 \$2 \$15.00 \$15.00 \$15.00 \$6	\$74,663 \$35,838 \$61,160 \$0 \$1,811 \$18,113 \$292,290 \$12,000
6	<b>LANDSCAPE FURNITURE</b> Bench seats Rubbish and recycle bins Picnic tables Electric BBQ Drinking fountain Bike Rack	no. no. no. no. no. no.	9 4 2 0 0 2	\$1,500 \$2,000 \$3,500 \$10,000 \$3,500 \$2,000	\$13,500 \$8,000 \$7,000 \$0 \$0 \$4,000
7	<b>FENCING &amp; BOLLARDS</b> <b>Bollards:</b> Cable gate for maintenance access <b>Fencing:</b> Bollard and cable vehicle exclusion fencing - to all roadway edges	item lin.m	2 175	\$350 \$80	\$700 \$14,000
8	<b>LANDSCAPE ESTABLISHMENT</b> 104 weeks landscape maintenance - grass & garden bed areas 104 weeks landscape maintenance - creek bed, banks & buffer zones weed contro	m2 m2	31,437 24,150	\$3.40 \$2.00	\$106,886 \$48,300
9	<b>PROVISIONAL ITEMS</b> Rabbit control program (Assume creek development in 7 Stages) Signage - identification & directional	Item Item	1 1	\$5,000 \$10,000	\$5,000 \$10,000
<b>Sub-Total</b>					<b>\$1,645,760</b>
<b>Professional Fees</b>			10%		\$164,576
<b>Contingency Sum</b>			10%		\$164,576
<b>TOTAL AMOUNT (EXCL:GST)</b>					<b>\$1,974,912</b>

ACW Residential Development Allocation - 50%

\$987,456

Western Industrial Precinct Allocation - 50%

\$987,456

**Exclusions:**

- GST
- Civil works packages, roadways, carparks and associated lighting
- Services connections
- Street lighting

## Armstrong Creek West – Section: DI\_DR\_5

785 Linear metres of Creek

60,724 Section Area (m2)

Based on MDG drawings 1060 Armstrong Creek - DCP Principles Diagram - LSK02

No.	Description	Unit	Qty	Rate	Amount
1	<b>PRELIMINARIES</b> Site establishment, OH&S, Tree Protection Zone fencing, setting out, insurances etc (10% of costs)	Item	1	10%	\$136,803
2	<b>SITE PREPARATION AND EARTHWORKS</b> Bulk earthworks – excavation & grading required to achieve design levels. General weed control to pathways, planting zones and grassed areas Detailed weed control to Creek Bed and Banks (assuming 3m banks and 1m beds) Trimming of subgrades (paths, garden beds and grassed areas) Cut down and remove weed tree species along creek line Erosion control	Item m2 m2 m2 Item item	1 51,823 5,495 51,823 1 1	\$25,000 \$0.50 \$2.00 \$0.50 \$30,000 \$15,000	\$25,000 \$25,912 \$10,990 \$25,912 \$30,000 \$15,000
3	<b>PAVING AND DECKING</b> <b>Paving:</b> 2.5m reinforced insitu concrete paving footpath on FCR base to CoGG standard 1.5m granitic sand gravel paving on FCR base <b>Decking:</b> Timber boardwalk/decking - allow 3% of pathway area		3,747		
		m2 m2 m2	3,560 791 112	\$80 \$25 \$600	\$284,772 \$19,775 \$67,446
4	<b>STRUCTURES</b> Picnic shelter (Approx 10 x 6 with 3 picnic tables)	item	2	\$80,000	\$160,000
5	<b>SOFT LANDSCAPE</b> <b>Grassing:</b> Ground preparation, installation & cultivation of 100mm site topsoil (95% of soft l'sc area) Hydraulically seeded grass <b>Park Planting:</b> Additional trees: 45lt containers (1.8-2.2m high) Retained tree areas - assume weed control only <b>Creek Planting:</b> <i>Bed &amp; Banks areas (assuming 1m bed &amp; 3m banks either side)</i> Bed - Assume 15% of creek bed planted as tubestock @ 3 plants/m2 Banks - Assume tubestock @ 3 plants/m2 for bank stablisation over 50% of length Terrestrial buffer to creek - 11.5m either side of creek planted as tubestock @ 3 plants/m2 <b>Edging:</b> Spade edging (Between grassed and mulched areas)	m2 m2 no. m2 m2 m2 m2 lin.m	30,191 30,191 278 7,820 5,495 118 1,178 16,296 1,800	\$3 \$1.20 \$220 \$2 \$15.00 \$15.00 \$15.00 \$6	\$75,478 \$36,229 \$61,160 \$15,640 \$1,766 \$17,663 \$244,440 \$10,800
6	<b>LANDSCAPE FURNITURE</b> Bench seats Rubbish and recycle bins Picnic tables Electric BBQ Drinking fountain Bike Rack	no. no. no. no. no. no.	7 4 4 1 1 4	\$1,500 \$2,000 \$3,500 \$10,000 \$3,500 \$2,000	\$10,500 \$8,000 \$14,000 \$10,000 \$3,500 \$8,000
7	<b>FENCING &amp; BOLLARDS</b> <b>Bollards:</b> Cable gate for maintenance access <b>Fencing:</b> Bollard and cable vehicle exclusion fencing - to all roadway edges	item lin. m	2 190	\$350 \$80	\$700 \$15,200
8	<b>LANDSCAPE ESTABLISHMENT</b> 104 weeks landscape maintenance - grass & garden bed areas 104 weeks landscape maintenance - creek bed, banks & buffer zones weed control	m2 m2	31,780 23,550	\$3.40 \$2.00	\$108,052 \$47,100
9	<b>PROVISIONAL ITEMS</b> Rabbit control program (Assume creek development in 7 Stages) Signage - identification & directional	Item Item	1 1	\$5,000 \$10,000	\$5,000 \$10,000
	<b>Sub-Total</b>				<b>\$1,504,837</b>
	<b>Professional Fees</b>		10%		\$150,484
	<b>Contingency Sum</b>		10%		\$150,484
	<b>TOTAL AMOUNT (EXCL:GST)</b>				<b>\$1,805,804</b>

### Exclusions:

GST  
Civil works packages, roadways, carparks and associated lighting  
Services connections  
Street lighting  
Consultant fees

## Armstrong Creek West – Section: DI\_DR\_4

380 Linear metres of Creek

62,145 Section Area (m2)

Based on MDG drawings 1060 Armstrong Creek - DCP Principles Diagram - LSK03

No.	Description	Unit	Qty	Rate	Amount
1	<b>PRELIMINARIES</b> Site establishment, OH&S, Tree Protection Zone fencing, setting out, insurances etc (10% of costs)	Item	1	10%	\$82,996
2	<b>SITE PREPARATION AND EARTHWORKS</b> Bulk earthworks – excavation & grading required to achieve design levels. General weed control to pathways, planting zones and grassed areas Detailed weed control to Creek Bed and Banks (assuming 3m banks and 1m beds) Wetland Weed Control and Site Preparation Trimming of subgrades (paths, garden beds and grassed areas) Cut down and remove weed tree species along creek line Erosion control	Item m2 m2 m2 m2 Item item	1 22,916 2,660 0 22,916 1 1	\$25,000 \$0.50 \$2.00 \$0.50 \$0.50 \$30,000 \$15,000	\$25,000 \$11,458 \$5,320 \$0 \$11,458 \$30,000 \$15,000
3	<b>PAVING AND DECKING</b> <b>Paving:</b> 2.5m reinforced insitu concrete paving footpath on FCR base to CoGG standard 1.5m granitic sand gravel paving on FCR base  <b>Decking:</b> Timber boardwalk/decking - allow 3% of pathway area	 m2 m2  m2	 2,536 835  80	 \$75 \$25  \$600	 \$190,166 \$20,875  \$48,042
4	<b>STRUCTURES</b> Picnic shelter	item	1	\$80,000	\$80,000
5	<b>SOFT LANDSCAPE</b> <b>Grassing:</b> Ground preparation, installation & cultivation of 100mm site topsoil (95% of soft l'sc area) Hydraulically seeded grass  <b>Park Planting:</b> Additional trees: 45lt containers (1.8-2.2m high) Retained tree areas - assume weed control only  <b>Creek Planting:</b> <i>Bed &amp; Banks areas (assuming 1m bed &amp; 3m banks either side)</i> Bed - Assume 15% of creek bed planted as tubestock @ 3 plants/m2 Banks - Assume tubestock @ 3 plants/m2 for bank stabilisation over 50% of length Terrestrial buffer to creek - 11.5m either side of creek planted as tubestock @ 3 plants/m2  <b>Edging:</b> Spade edging (Between grassed and mulched areas)	 m2 m2  no. m2  m2 m2 m2  lin.m	 14,035 14,035  278 22,240  2,660 57 570 4,638  1,400	 \$3 \$1.20  \$220 \$2  \$15.00 \$15.00 \$15.00  \$6	 \$35,088 \$16,842  \$61,160 \$44,480  \$855 \$8,550 \$69,570  \$8,400
6	<b>LANDSCAPE FURNITURE</b> Bench seats Rubbish and recycle bins Picnic tables Electric BBQ Drinking fountain Bike Rack	no. no. no. no. no. no.	5 2 1 0 0 2	\$1,500 \$2,000 \$3,500 \$10,000 \$3,500 \$2,000	\$7,500 \$4,000 \$3,500 \$0 \$0 \$4,000
7	<b>FENCING &amp; BOLLARDS</b> <b>Bollards:</b> Cable gate for maintenance access  <b>Fencing:</b> Bollard and cable vehicle exclusion fencing - to all roadway edges	item  lin. m	2  562	\$350  \$80	\$700  \$44,960
8	<b>LANDSCAPE ESTABLISHMENT</b> 104 weeks landscape maintenance - grass & garden bed areas 104 weeks landscape maintenance - creek bed, banks & buffer zones weed control	m2 m2	14,774 11,400	\$3.40 \$2.00	\$50,232 \$22,800
9	<b>PROVISIONAL ITEMS</b> Rabbit control program (Assume creek development in 7 Stages) Signage - identification & directional	Item Item	1 1	\$5,000 \$5,000	\$5,000 \$5,000
	<b>Sub-Total</b>				<b>\$912,952</b>
	<b>Professional Fees</b>		10%		\$91,295
	<b>Contingency Sum</b>		10%		\$91,295
	<b>TOTAL AMOUNT (EXCL:GST)</b>				<b>\$1,095,543</b>

### Exclusions:

GST  
Civil works packages, roadways, carparks and associated lighting  
Services connections  
Street lighting

## Armstrong Creek West – Section: DI\_DR\_3

336 Linear metres of Creek

32,706 Section Area (m2)

Based on MDG drawings 1060 Armstrong Creek - DCP Principles Diagram - LSK04

No.	Description	Unit	Qty	Rate	Amount
1	<b>PRELIMINARIES</b> Site establishment, OH&S, Tree Protection Zone fencing, setting out, insurances etc (10% of costs)	Item	1	10%	\$87,465
2	<b>SITE PREPARATION AND EARTHWORKS</b> Bulk earthworks – excavation & grading required to achieve design levels. General weed control to pathways, planting zones and grassed areas Wetland Weed Control and Site Preparation Trimming of subgrades (paths, garden beds and grassed areas) Cut down and remove weed tree species along creek line Erosion control	Item m2 m2 m2 Item item	1 5,251 0 5,251 1 1	\$25,000 \$0.50 \$0.50 \$0.50 \$30,000 \$15,000	\$25,000 \$2,626 \$0.00 \$2,626 \$30,000 \$15,000
3	<b>PAVING AND DECKING</b> <b>Paving:</b> 2.5m reinforced insitu concrete paving footpath on FCR base to CoGG standard 1.5m granitic sand gravel paving on FCR base <b>Decking:</b> Timber boardwalk/decking - allow 3% of pathway area		1,355		
		m2 m2 m2	1,287 428 41	\$80 \$25 \$600	\$102,980 \$10,700 \$24,390
4	<b>STRUCTURES</b> Picnic shelter (Approx 10 x 6 with 3 picnic tables)	item	0	\$80,000	\$0
5	<b>SOFT LANDSCAPE</b> <b>Grassing:</b> Ground preparation, installation & cultivation of 100mm site topsoil (95% of soft l'sc area) Hydraulically seeded grass  <b>Park Planting:</b> Additional trees: 45lt containers (1.8-2.2m high)  <b>Edging:</b> Spade edging (Between grassed and mulched areas)		3,468		
		m2 m2 no. lin.m	3,295 3,295 30 800	\$3 \$1.20 \$220 \$6	\$8,237 \$3,954 \$6,600 \$4,800
6	<b>LANDSCAPE FURNITURE</b> Bench seats Rubbish and recycle bins Picnic tables Electric BBQ Drinking fountain Bike Rack	no. no. no. no. no. no.	3 2 1 0 0 2	\$1,500 \$2,000 \$3,500 \$10,000 \$3,500 \$2,000	\$4,500 \$4,000 \$3,500 \$0 \$0 \$4,000
7	<b>FENCING &amp; BOLLARDS</b> <b>Bollards:</b> Cable gate for maintenance access <b>Fencing:</b> Bollard and cable vehicle exclusion fencing - to all roadway edges	item lin. m	2 944	\$350 \$80	\$700 \$75,520
8	<b>LANDSCAPE ESTABLISHMENT</b> 104 weeks landscape maintenance - grass & garden bed areas 104 weeks landscape maintenance - creek bed, banks & buffer zones weed control	m2 m2	3,468 10,080	\$3.40 \$2.00	\$11,791 \$20,160
9	<b>PROVISIONAL ITEMS</b> Rabbit control program (Assume creek development in 7 Stages) Signage - identification & directional	Item Item	1 1	\$5,000 \$5,000	\$5,000 \$5,000
	<b>Sub-Total</b>				<b>\$520,947</b>
	<b>Professional Fees</b>		10%		\$52,095
	<b>Contingency Sum</b>		10%		\$52,095
	<b>TOTAL AMOUNT (EXCL:GST)</b>				<b>\$625,137</b>

### Exclusions:

GST  
Civil works packages, roadways, carparks and associated lighting  
Services connections  
Street lighting

## Armstrong Creek West – Section: DI\_DR\_02

716 Linear metres of Creek

125,159 Section Area (m2)

Based on MDG drawings 1060 Armstrong Creek - DCP Principles Diagram - LSK05

No.	Description	Unit	Qty	Rate	Amount
1	<b>PRELIMINARIES</b> Site establishment, OH&S, Tree Protection Zone fencing, setting out, insurances etc (10% of costs)	Item	1	10%	\$97,895
2	<b>SITE PREPARATION AND EARTHWORKS</b> Bulk earthworks – excavation & grading required to achieve design levels. General weed control to pathways, planting zones and grassed areas Detailed weed control to Creek Bed and Banks (assuming 3m banks and 1m beds) Trimming of subgrades (paths, garden beds and grassed areas) Cut down and remove weed tree species along creek line Erosion control	Item m2 m2 m2 Item item	1 28,716 5,012 28,716 1 1	\$25,000 \$0.50 \$2.00 \$0.50 \$30,000 \$15,000	\$25,000 \$14,358 \$10,024 \$14,358 \$30,000 \$15,000
3	<b>PAVING AND DECKING</b> <b>Paving:</b> 2.5m reinforced insitu concrete paving footpath on FCR base to CoGG standard 1.5m granitic sand gravel paving on FCR base <b>Decking:</b> Timber boardwalk/decking - allow 3% of pathway area		3,712 3,526 1,176 111		
4	<b>STRUCTURES</b> Picnic shelter (Approx 10 x 6 with 3 picnic tables)	item	0	\$80,000	\$0
5	<b>SOFT LANDSCAPE</b> <b>Grassing:</b> Ground preparation, installation & cultivation of 100mm site topsoil (95% of soft l'sc area) Hydraulically seeded grass  <b>Park Planting:</b> Additional trees: 45lt containers (1.8-2.2m high)  <b>Edging:</b> Spade edging (Between grassed and mulched areas)		25,004 23,754 23,754 33 1,800		
6	<b>LANDSCAPE FURNITURE</b> Bench seats Rubbish and recycle bins Picnic tables Electric BBQ Drinking fountain Bike Rack	no. no. no. no. no. no.	7 4 6 2 1 8	\$1,500 \$2,000 \$3,500 \$10,000 \$3,500 \$2,000	\$10,500 \$8,000 \$21,000 \$20,000 \$3,500 \$16,000
7	<b>FENCING &amp; BOLLARDS</b> <b>Bollards:</b> Cable gate for maintenance access <b>Fencing:</b> Bollard and cable vehicle exclusion fencing - to all roadway edges	item lin. m	4 2,032	\$350 \$80	\$1,400 \$162,560
8	<b>LANDSCAPE ESTABLISHMENT</b> 104 weeks landscape maintenance - grass & garden bed areas 104 weeks landscape maintenance - creek bed, banks & buffer zones weed control	m2 m2	25,004 21,480	\$3.40 \$2.00	\$85,014 \$42,960
9	<b>PROVISIONAL ITEMS</b> Rabbit control program (Assume creek development in 7 Stages) Signage - identification & directional	Item Item	1 1	\$5,000 \$10,000	\$5,000 \$10,000
	<b>Sub-Total</b>				<b>\$1,076,846</b>
	<b>Professional Fees</b>		10%		\$107,685
	<b>Contingency Sum</b>		10%		\$107,685
	<b>TOTAL AMOUNT (EXCL:GST)</b>				<b>\$1,292,215</b>

### Exclusions:

GST  
Civil works packages, roadways, carparks and associated lighting  
Services connections  
Street lighting

## Armstrong Creek West – Section: DI\_DR\_1

480 Linear metres of Creek

71,141 Section Area (m2)

Based on MDG drawings 1060 Armstrong Creek - DCP Principles Diagram - LSK06

No.	Description	Unit	Qty	Rate	Amount
-	<b>SALVAGE FOR CHMP 11385</b>				
	Water truck	weeks	4	\$5,000	\$20,000
	Porta-loo	weeks	4	\$100	\$400
	CHMP artifacts cost	item	1	\$67,000	\$67,000
1	<b>PRELIMINARIES</b>				
	Site establishment, OH&S, Tree Protection Zone fencing, setting out, insurances etc (10% of costs)	Item	1	10%	\$159,190
2	<b>SITE PREPARATION AND EARTHWORKS</b>				
	Bulk earthworks – excavation & grading required to achieve design levels.	Item	1	\$25,000	\$25,000
	General weed control to pathways, planting zones and grassed areas	m2	58,011	\$0.50	\$29,006
	Detailed weed control to Creek Bed and Banks (assuming 3m banks and 1m beds)	m2	3,710	\$2.00	\$7,420
	Trimming of subgrades (paths, garden beds and grassed areas)	m2	58,011	\$0.50	\$29,006
	Cut down and remove weed tree species along creek line	Item	1	\$30,000	\$30,000
	Erosion control	item	1	\$15,000	\$15,000
3	<b>PAVING AND DECKING</b>				
	<b>Paving:</b>				
	2.5m reinforced insitu concrete paving footpath on FCR base to CoGG standard	m2	2,548	\$80	\$203,832
	1.5m granitic sand gravel paving on FCR base	m2	1,263	\$25	\$31,575
	<b>Decking:</b>				
	Timber boardwalk/decking - allow 3% of pathway area	m2	80	\$600	\$48,276
	Timber & steel pedestrian bridge crossing - 3.5m for shared pathway with clearances	m2	280	\$800	\$224,000
4	<b>STRUCTURES</b>				
	Picnic shelter (Approx 10 x 6 with 3 picnic tables)	item	2	\$80,000	\$160,000
5	<b>SOFT LANDSCAPE</b>				
	<b>Grassing:</b>				
	Ground preparation, installation & cultivation of 100mm site topsoil (95% of soft l'sc area)	m2	42,208	\$3	\$105,519
	Hydraulically seeded grass	m2	42,208	\$1.20	\$50,649
	<b>Park Planting:</b>				
	Additional trees: 45lt containers (1.8-2.2m high)	no.	278	\$220	\$61,160
	<b>Creek Planting:</b>				
	Bed & Banks areas (assuming 1m bed & 3m banks either side)	m2	3,360		
	Bed - Assume 15% of creek bed planted as tubestock @ 3 plants/m2	m2	72	\$15.00	\$1,080
	Banks - Assume 70% of creek bed planted as tubestock @ 3 plants/m2	m2	1,008	\$15.00	\$15,120
	Terrestrial buffer to creek - 11.5m either side of creek planted as tubestock @ 3 plants/m2	m2	10,900	\$15.00	\$163,500
	<b>Edging:</b>				
	Spade edging (Between grassed and mulched areas)	lin.m	1,200	\$6	\$7,200
6	<b>LANDSCAPE FURNITURE</b>				
	Bench seats	no.	5	\$1,500	\$7,500
	Rubbish and recycle bins	no.	4	\$2,000	\$8,000
	Picnic tables	no.	6	\$3,500	\$21,000
	Electric BBQ	no.	2	\$10,000	\$20,000
	Drinking fountain	no.	2	\$3,500	\$7,000
	Bike Rack	no.	4	\$2,000	\$8,000
7	<b>FENCING &amp; BOLLARDS</b>				
	<b>Bollards:</b>				
	Cable gate for maintenance access	item	4	\$350	\$1,400
	<b>Fencing:</b>				
	Bollard and cable vehicle exclusion fencing - to all roadway edges	lin. m	1,335	\$80	\$106,800
8	<b>LANDSCAPE ESTABLISHMENT</b>				
	104 weeks landscape maintenance - grass & garden bed areas	m2	44,429	\$3.40	\$151,059
	104 weeks landscape maintenance - creek bed, banks & buffer zones weed control	m2	14,400	\$2.00	\$28,800
9	<b>PROVISIONAL ITEMS</b>				
	Rabbit control program (Assume creek development in 7 Stages)	Item	1	\$5,000	\$5,000
	Signage - identification & directional	Item	1	\$10,000	\$10,000
	Offset costs for the pedestrian creek crossing	Item	1	\$10,000	\$10,000
	<b>Sub-Total</b>				<b>\$1,751,091</b>
	<b>Professional Fees</b>		10%		\$175,109
	<b>Contingency Sum</b>		10%		\$175,109
	<b>TOTAL AMOUNT (EXCL:GST)</b>				<b>\$2,101,309</b>

### Exclusions:

GST  
Civil works packages, roadways, carparks and associated lighting  
Services connections  
Street lighting

## Armstrong Creek West – Section: DI\_DR\_1

830 Linear metres of Creek

157,064 Section Area (m2)

Based on MDG drawings 1060 Armstrong Creek - DCP Principles Diagram - LSK07

No.	Description	Unit	Qty	Rate	Amount
1	<b>PRELIMINARIES</b> Site establishment, OH&S, Tree Protection Zone fencing, setting out, insurances etc (10% of costs)	Item	1	10%	\$156,136
2	<b>SITE PREPARATION AND EARTHWORKS</b> Bulk earthworks – excavation & grading required to achieve design levels. General weed control to pathways, planting zones and grassed areas Detailed weed control to Creek Bed and Banks (assuming 3m banks and 1m beds) Trimming of subgrades (paths, garden beds and grassed areas) Cut down and remove weed tree species along creek line Erosion control	Item m2 m2 m2 Item item	1 47,776 3,710 47,776 1 1	\$25,000 \$0.50 \$2.00 \$0.50 \$30,000 \$15,000	\$25,000 \$23,888 \$7,420 \$23,888 \$30,000 \$15,000
3	<b>PAVING AND DECKING</b> <b>Paving:</b> 2.5m reinforced insitu concrete paving footpath on FCR base to CoGG standard 1.5m granitic sand gravel paving on FCR base <b>Decking:</b> Timber boardwalk/decking - allow 3% of pathway area Timber & steel pedestrian bridge crossing - 3.5m for shared pathway with clearances		3,420 3,249 2,366 103 105		
4	<b>STRUCTURES</b> Picnic shelter (Approx 10 x 6 with 3 picnic tables)	item	1	\$80,000	\$80,000
5	<b>SOFT LANDSCAPE</b> <b>Grassing:</b> Ground preparation, installation & cultivation of 100mm site topsoil (95% of soft l'sc area) Hydraulically seeded grass <b>Park Planting:</b> Additional trees: 45lt containers (1.8-2.2m high) <b>Conservation Zone:</b> Indigenous revegetation - allow 50% of conservation area planted at 6/m2 <b>Creek Planting:</b> Bed & Banks areas (assuming 1m bed & 3m banks either side) Bed - Assume 15% of creek bed planted as tubestock @ 3 plants/m2 Banks - Assume 70% of creek bed planted as tubestock @ 3 plants/m2 Terrestrial buffer to creek - 11.5m either side of creek planted as tubestock @ 3 plants/m2 <b>Edging:</b> Spade edging (Between grassed and mulched areas)	m2 m2 no. m2	25,526 25,526 278 6,275 5,810 125 1,743 17,487 1,900	\$3 \$1.20 \$220 \$15.00 \$15.00 \$15.00 \$15.00 \$6	\$63,814 \$30,631 \$61,160 \$94,118 \$1,868 \$26,145 \$262,305 \$11,400
6	<b>LANDSCAPE FURNITURE</b> Bench seats Rubbish and recycle bins Picnic tables Electric BBQ Drinking fountain Bike Rack	no. no. no. no. no. no.	8 4 4 1 1 4	\$1,500 \$2,000 \$3,500 \$10,000 \$3,500 \$2,000	\$12,000 \$8,000 \$14,000 \$10,000 \$3,500 \$8,000
7	<b>FENCING &amp; BOLLARDS</b> <b>Bollards:</b> Cable gate for maintenance access <b>Fencing:</b> Bollard and cable vehicle exclusion fencing - to all roadway edges Net Gain Offset Area fencing - farm style fencing	item lin. m lin.m	4 1,588 0	\$350 \$80 \$45	\$1,400 \$127,040 \$0
8	<b>LANDSCAPE ESTABLISHMENT</b> 104 weeks landscape maintenance - grass & garden bed areas 104 weeks landscape maintenance - creek bed, banks & buffer zones weed control	m2 m2	26,869 24,900	\$3.40 \$2.00	\$91,355 \$49,800
9	<b>PROVISIONAL ITEMS</b> Rabbit control program (Assume creek development in 7 Stages) Signage - identification & directional	Item Item	1 1	\$5,000 \$10,000	\$5,000 \$10,000
	<b>Sub-Total</b>				<b>\$1,717,496</b>
	<b>Professional Fees</b>		10%		\$171,750
	<b>Contingency Sum</b>		10%		\$171,750
	<b>TOTAL AMOUNT (EXCL:GST)</b>				<b>\$2,060,995</b>

### Exclusions:

GST  
Civil works packages, roadways, carparks and associated lighting  
Services connections  
Street lighting

# Armstrong Creek West – Wetlands

Based on MDG drawings 1060 Armstrong Creek - DCP Principles Diagram - LSK002, LSK 005, LSK 006, LSK 007

No.	Description	Unit	Qty	Rate	Amount
1	<b>Section: DR_DI_7</b>				
	<b>Wetland Planting:</b>				
	Ephemeral & Terrestrial Buffer Zone planting - Hiko Cells @ 6/m2	m2	6345	\$8.40	\$53,298
	Shallow, deep & submerged marsh planting - Hiko Cells @ average 5/m2	m2	5243	\$7.00	\$36,701
	Wetland Netting (Deep and submerged zones)	item	1	\$2,500	\$2,500
2	<b>Section: DR_DI_8</b>				
	<b>Wetland Planting:</b>				
	Ephemeral & Terrestrial Buffer Zone planting - Hiko Cells @ 6/m2	m2	4,300	\$8.40	\$36,120
	Shallow, deep & submerged marsh planting - Hiko Cells @ average 5/m2	m2	3,257	\$7.00	\$22,799
	Wetland Netting (Deep and submerged zones)	item	1	\$2,500	\$2,500
3	<b>Section: DR_DI_9</b>				
	<b>Wetland Planting:</b>				
	Ephemeral & Terrestrial Buffer Zone planting - Hiko Cells @ 6/m2	m2	7,013	\$8.40	\$58,909
	Shallow, deep & submerged marsh planting - Hiko Cells @ average 5/m2	m2	6,089	\$7.00	\$42,623
	Wetland Netting (Deep and submerged zones)	item	1	\$2,500.00	\$2,500
4	<b>Section: DR_DI_10</b>				
	<b>Wetland Planting:</b>				
	Ephemeral & Terrestrial Buffer Zone planting - Hiko Cells @ 6/m2	m2	7,569	\$8.40	\$63,580
	Shallow, deep & submerged marsh planting - Hiko Cells @ average 5/m2	m2	12,588	\$7.00	\$88,116
	Wetland Netting (Deep and submerged zones)	item	1	\$2,500.00	\$2,500
5	<b>Section: DR_DI_11</b>				
	<b>Wetland Planting:</b>				
	Ephemeral & Terrestrial Buffer Zone planting - Hiko Cells @ 6/m2	m2	4,358	\$8.40	\$36,607
	Shallow, deep & submerged marsh planting - Hiko Cells @ average 5/m2	m2	5,993	\$7.00	\$41,951
	Wetland Netting (Deep and submerged zones)	item	1	\$2,500.00	\$2,500
6	<b>Section: DR_DI_12</b>				
	<b>Wetland Planting:</b>				
	Ephemeral & Terrestrial Buffer Zone planting - Hiko Cells @ 6/m2	m2	5,983	\$8.40	\$50,257
	Shallow, deep & submerged marsh planting - Hiko Cells @ average 5/m2	m2	6,149	\$7.00	\$43,043
	Wetland Netting (Deep and submerged zones)	item	1	\$2,500.00	\$2,500
7	<b>Section: DR_DI_13</b>				
	<b>Wetland Planting:</b>				
	Ephemeral & Terrestrial Buffer Zone planting - Hiko Cells @ 6/m2	m2	5,561	\$8.40	\$46,712
	Shallow, deep & submerged marsh planting - Hiko Cells @ average 5/m2	m2	6,272	\$7.00	\$43,904
	Wetland Netting (Deep and submerged zones)	item	1	\$2,500.00	\$2,500
8	<b>Section: DR_DI_14</b>				
	<b>Wetland Planting:</b>				
	Ephemeral & Terrestrial Buffer Zone planting - Hiko Cells @ 6/m2	m2	5,854	\$8.40	\$49,174
	Shallow, deep & submerged marsh planting - Hiko Cells @ average 5/m2	m2	7,187	\$7.00	\$50,309
	Wetland Netting (Deep and submerged zones)	item	1	\$2,500.00	\$2,500
9	<b>Section: DR_DI_15</b>				
	<b>Wetland Planting:</b>				
	Ephemeral & Terrestrial Buffer Zone planting - Hiko Cells @ 6/m2	m2	3,529	\$8.40	\$29,644
	Shallow, deep & submerged marsh planting - Hiko Cells @ average 5/m2	m2	3,202	\$7.00	\$22,414
	Wetland Netting (Deep and submerged zones)	item	1	\$2,500	\$2,500
<b>Sub-Total</b>					<b>\$1,184,886</b>
<b>Professional Fees</b>					<b>\$118,489</b>
<b>Contingency Sum</b>					<b>\$118,489</b>
<b>TOTAL AMOUNT (EXCL:GST)</b>					<b>\$1,421,863</b>

**Exclusions:**

- GST
- Civil works packages, roadways, carparks and associated lighting
- Services connections
- Street lighting

## Armstrong Creek West – DI\_OS\_6/5

Based on MDG drawings 1060 Armstrong Creek - DCP Principles Diagram - LSK 01 -10

No.	Description	Unit	Qty	Rate	Amount
1	<b>PLAYGROUNDS</b>				
	Local Playgrounds DI_OS_6	ea	5	\$80,000	\$400,000
	Regional Playground DI_OS_5	ea	1	\$300,000	\$300,000
2	<b>DI_TR_2b</b>				
	2.5m reinforced insitu concrete paving footpath on FCR base to CoGG standard within greenways (excludes Armstrong Creek Corridor)	lin.m	3,190	\$80	\$255,200
	<b>Sub-Total</b>				<b>\$955,200</b>
	<b>Professional Fees</b>		15%		\$143,280
	<b>Contingency Sum</b>		10%		\$95,520
	<b>TOTAL AMOUNT (EXCL:GST)</b>				<b>\$1,194,000</b>

**Exclusions:**

GST

Civil works packages, roadways, carparks and associated lighting

Services connections

Street lighting

## Armstrong Creek West – DI\_TR\_3 (Greenway Improvement Works)

1,600 Linear metres of Road Reserve

Based on MDG drawings 1060 Armstrong Creek - DCP Principles Diagram

No.	Description	Unit	Qty	Rate	Amount
1	<b>Cost per linear metre of road redesign</b> <b>PRELIMINARIES</b> Site establishment, OH&S, Tree Protection Zone fencing, setting out, insurances etc (10% of costs)	Item	1	5%	\$17
2	<b>SITE PREPARATION AND EARTHWORKS</b> Excavation of excess gravel road base (Nom 7m reduced to 3.5m, 300 depth x 1.4 bulking)	m3	1.50	\$20	\$30
	Disposal of excavated material	m3	1.50	\$20	\$30
	Detailed weed control to road verge areas	m2	13	\$2.00	\$26
3	<b>SOFT LANDSCAPE</b> Revegetation area of former road base: incl sub-base prep, gypsum treatment, 200mm depth site topsoil	m2	3.5	\$10	\$35
	Indigenous revegetation of new area - tubestock planted at 6/m2	m2	3.5	\$15	\$53
	Indigenous revegetation - allow 50% of conservation area planted at 6/m2	m2	6.5	\$15	\$98
4	<b>LANDSCAPE FURNITURE</b> Bench seats - 2 per 100m	no.	0.02	\$1,500	\$30
5	<b>LANDSCAPE ESTABLISHMENT</b> 104 weeks landscape maintenance - grass & garden bed areas	m2	17	\$2.00	\$33
	<b>Sub-total Cost per linear metre</b>				\$351
	<b>Total Linear Metres - Airport Road</b>	<b>lin.m</b>	<b>1,570</b>		<b>\$550,599</b>
6	<b>PROVISIONAL ITEMS</b> Rabbit control program	Item	1	\$5,000	\$5,000
	Signage - identification & directional	Item	1	\$10,000	\$10,000
	<b>Sub-Total</b>				<b>\$565,599</b>
	<b>Professional Fees</b>		10%		\$56,560
	<b>Contingency Sum</b>		10%		\$56,560
	<b>TOTAL AMOUNT (EXCL:GST)</b>				<b>\$678,719</b>

### Exclusions:

GST

Civil works packages, roadways, carparks and associated lighting

Services connections

Street lighting

## Armstrong Creek West – DI\_TR\_3 (Greenway Improvement Works)

1,590 Linear metres of Road Reserve

Based on MDG drawings 1060 Armstrong Creek - DCP Principles Diagram

No.	Description	Unit	Qty	Rate	Amount
1	<b>Cost per linear metre of road redesign</b> <b>PRELIMINARIES</b> Site establishment, OH&S, Tree Protection Zone fencing, setting out, insurances etc (10% of costs)	Item	1	5%	\$17
2	<b>SITE PREPARATION AND EARTHWORKS</b> Excavation of bitumen road and shoulder (Nom 7.5m reduced to 3.5m, 300 depth x 1.4 bulking)	m3	1.70	\$25	\$43
	Disposal of excavated material	m3	1.70	\$20	\$34
	Detailed weed control to road verge areas	m2	13	\$2.00	\$26
3	<b>SOFT LANDSCAPE</b> Revegetation area of former road base: incl sub-base prep, gypsum treatment, 200mm depth site topsoil	m2	3.5	\$10	\$35
	Indigenous revegetation of new area - tubestock planted at 6/m2	m2	3.5	\$15	\$53
	Indigenous revegetation - allow 50% of conservation area planted at 6/m2	m2	6.25	\$15	\$94
4	<b>LANDSCAPE FURNITURE</b> Bench seats - 2 per 100m	no.	0.02	\$1,500	\$30
5	<b>LANDSCAPE ESTABLISHMENT</b> 104 weeks landscape maintenance - grass & garden bed areas	m2	17	\$2.00	\$33
	<b>Sub-total Cost per linear metre</b>				\$364
	<b>Total Linear Metres - Boundary Road</b>	lin.m	1,590		\$578,899
6	<b>PROVISIONAL ITEMS</b> Rabbit control program	Item	1	\$5,000	\$5,000
	Signage - identification & directional	Item	1	\$10,000	\$10,000
	<b>Sub-Total</b>				\$593,899
	<b>Professional Fees</b>		10%		\$59,390
	<b>Contingency Sum</b>		10%		\$59,390
	<b>TOTAL AMOUNT (EXCL:GST)</b>				<b>\$712,679</b>

### Exclusions:

GST

Civil works packages, roadways, carparks and associated lighting

Services connections

Street lighting

# Armstrong Creek West – DI\_OS\_2 NAC Recreation Reserve (Northern)

Based on MDG drawings 1060 Armstrong Creek - DCP Principles Diagram - LSK 08

No.	Description	Unit	Qty	Rate	Amount
1	<b>PRELIMINARIES</b> Site establishment, OH&S, Tree Protection Zone fencing, setting out, insurances etc (10% of costs)	Item	1	10%	\$326,171
2	<b>SITE PREPARATION AND EARTHWORKS</b> Fine trimming and grading	m2	33631	\$0.50	\$16,816
4	<b>STRUCTURES</b> Picnic shelter	item	0	\$0	\$0
5	<b>SOFT LANDSCAPE</b> (Total soft landscape area) <b>Grassing:</b> Seeded Grass including preparation and 100mm imported topsoil (90% of non-oval area) <b>Park Planting:</b> Additional trees: 45lt containers (1.8-2.2m high)	m2	33,631		
		m2	30,268	\$10	\$302,679
		ea	100	\$220	\$22,000
6	<b>LANDSCAPE FURNITURE</b> Bench seats Rubbish and recycle bins Picnic tables Electric BBQ Drinking fountain Bike racks	no.	8	\$1,500	\$12,000
		no.	4	\$2,000	\$8,000
		no.	2	\$3,500	\$7,000
		no.	1	\$10,000	\$10,000
		no.	1	\$3,500	\$3,500
		no.	4	\$2,000	\$8,000
7	<b>LANDSCAPE ESTABLISHMENT</b> 104 weeks landscape maintenance (rate / m2 of soft landscape )	m2	33,631	\$3.40	\$114,345
8	<b>DRAINAGE</b> Drainage pipes and pits including all connections, excavation, compacted backfill & disposal of	item	1	\$5,000	\$5,000
9	<b>FENCING &amp; BOLLARDS</b> <b>Bollards:</b> Removable bollard for maintenance access <b>Fencing:</b> Bollard and cable vehicle exclusion fencing to perimeter of entire site	item	1	\$350	\$350
		lin. m	1,519	\$80	\$121,520
10	<b>SPORTING FACILITIES</b> <b>Standard Oval:</b> Full size oval with irrigation, 200mm topsoil, perimeter ag drain, warm season turf (including maintenance for 1 year.) Western Oval Oval drainage - concrete perimeter drain, pits, connections to stormwater Recycled water allowance for establishment of turf AFL Goal Posts <b>Basic Standard Oval:</b> Full size oval with irrigation, 200mm topsoil, perimeter ag drain, warm season seeded grass (including maintenance for 1 year.) AFL Goal Posts <b>Netball Courts</b> - 2 acrylic surfaced courts (no fencing) Multi-court line marking Netball Court goal posts including nets & footing Fencing - black pvc coated chain link, 2.1m high <b>Bowling Green</b> - 6 rink green, preparation, drainage, edge treatment, irrigation Fencing - black pvc coated chain link, 2.1m high Gates & accessories Players shelters <b>Cricket nets</b> - 2 synthetic wickets with black PVC coated chain link fencing	item	1	\$962,000	\$962,000
		item	1	\$100,000	\$100,000
		item	1	\$50,000	\$50,000
		pair of sets	1	\$14,100	\$14,100
		item	1	\$890,000	\$890,000
		pair of sets	1	\$14,100	\$14,100
		m2	1,560	\$80	\$124,800
		ea	2	\$3,000	\$6,000
		pair	2	\$5,000	\$10,000
		lin.m	120	\$75	\$9,000
		item	2	\$114,500	\$229,000
		lin.m	260	\$75	\$19,500
		item	1	\$2,000	\$2,000
		ea	2	\$2,500	\$5,000
		item	1	\$50,000	\$50,000
11	<b>PROVISIONAL ITEMS</b> Signage - identification & directional	Item	1	\$10,000	\$10,000
12	<b>LIGHTING</b> Basic oval lighting Premium oval lighting	Item	1	\$45,000	\$45,000
		Item	1	\$90,000	\$90,000
	<b>Sub-Total</b>				<b>\$3,587,881</b>
	<b>Professional Fees</b>		10%		\$358,788
	<b>Contingency Sum</b>		10%		\$358,788
	<b>TOTAL AMOUNT (EXCL.GST)</b>				<b>\$4,305,458</b>

## Exclusions-

- GST
- Existing tree pruning works
- Civil works packages - refer Brown Consulting estimates
- Services connections

# Armstrong Creek West – DI\_OS\_3 LAC Recreation Reserve (Southern)

Based on MDG drawings 1060 Armstrong Creek - DCP Principles Diagram - LSK 09

No.	Description	Unit	Qty	Rate	Amount
1	<b>PRELIMINARIES</b> Site establishment, OH&S, Tree Protection Zone fencing, setting out, insurances etc (10% of costs)	Item	1	10%	\$281,460
2	<b>SITE PREPARATION AND EARTHWORKS</b> Fine trimming and grading	m2	33,720	\$0.50	\$16,860
4	<b>STRUCTURES</b> Picnic shelter	item	0	\$0	\$0
5	<b>SOFT LANDSCAPE</b> (Total soft landscape area)	m2	33,720		
5.1	<b>Grassing:</b> Seeded Grass including preparation and 100mm imported topsoil (90% of non-oval area)	m2	30,348	\$10	\$303,480
5.2	<b>Park Planting:</b> Additional trees: 45lt containers (1.8-2.2m high)	ea	100	\$220	\$22,000
6	<b>LANDSCAPE FURNITURE</b> Bench seats Rubbish and recycle bins Picnic tables Electric BBQ Drinking fountain Bike racks	no. no. no. no. no. no.	8 4 2 1 1 4	\$1,500 \$2,000 \$3,500 \$10,000 \$3,500 \$2,000	\$12,000 \$8,000 \$7,000 \$10,000 \$3,500 \$8,000
7	<b>LANDSCAPE ESTABLISHMENT</b> 104 weeks landscape maintenance (rate / m2 of soft landscape )	m2	33,720	\$3.40	\$114,648
8	<b>DRAINAGE</b> Drainage pipes and pits including all connections, excavation, compacted backfill & disposal of excess spoil.	item	1	\$5,000	\$5,000
9	<b>FENCING &amp; BOLLARDS</b>				
9.1	<b>Bollards:</b> Removable bollard for maintenance access	item	1	\$350	\$350
9.2	<b>Fencing:</b> Bollard and cable vehicle exclusion fencing to perimeter of entire site	lin. m	797	\$80	\$63,760
10	<b>SPORTING FACILITIES</b> <b>Standard Oval:</b> Full size oval with irrigation, 200mm topsoil, perimeter ag drain, warm season turf & (including maintenance for 1 year.) Western Oval <b>Basic Standard Oval:</b> Full size oval with 200mm topsoil, perimeter ag drain, seeded grass (including maintenance for 1 year.) Oval drainage - concrete perimeter drain, pits, connections to stormwater Recycled water allowance for establishment of turf AFL Goal Posts <b>Netball Courts</b> - 2 acrylic surfaced courts (no fencing) Multi-court line marking Netball Court goal posts including nets & footing Fencing - black pvc coated chain link, 2.1m high <b>Cricket nets</b> - 2 synthetic wickets with black PVC coated chain link fencing	item item item item pair of sets m2 ea pair lin.m item	1 1 1 1 2 1,560 2 2 120 1	\$962,000 \$890,000 \$100,000 \$50,000 \$14,100 \$80 \$3,000 \$5,000 \$75 \$50,000	\$962,000 \$890,000 \$100,000 \$50,000 \$28,200 \$124,800 \$6,000 \$10,000 \$9,000 \$50,000
11	<b>PROVISIONAL ITEMS</b> Signage - identification & directional	Item	1	\$10,000	\$10,000
12	<b>LIGHTING</b> Basic oval lighting Premium oval lighting	Item Item	1 1	\$45,000 \$90,000	\$45,000 \$90,000
	<b>Sub-Total</b>				<b>\$3,231,058</b>
	<b>Professional Fees</b>		10%		\$323,106
	<b>Contingency Sum</b>		10%		\$323,106
	<b>TOTAL AMOUNT (EXCL:GST)</b>				<b>\$3,877,269</b>

## Exclusions-

- GST
- Existing tree pruning works
- Civil works packages - refer Brown Consulting estimates
- Services connections

# Armstrong Creek West – DI\_OS\_1 Regional Recreation Reserve

Based on MDG drawings 1060 Armstrong Creek - DCP Principles Diagram - LSK 10

No.	Description	Unit	Qty	Rate	Amount
1	<b>PRELIMINARIES</b> Site establishment, OH&S, Tree Protection Zone fencing, setting out, insurances etc (10% of costs)	Item	1	10%	\$551,080
2	<b>SITE PREPARATION AND EARTHWORKS</b> Fine trimming and grading	m2	60,222	\$0.50	\$30,111
4	<b>STRUCTURES</b> Picnic shelter	item	0	\$0	\$0
5	<b>SOFT LANDSCAPE</b> (Total soft landscape area) <b>Grassing:</b> Pregrown turf including preparation and 100mm imported topsoil (90% of non-oval area) <b>Park Planting:</b> Additional trees: 45lt containers (1.8-2.2m high)	m2	60,222		
		m2	54,200	\$10	\$541,998
		ea	250	\$220	\$55,000
6	<b>LANDSCAPE FURNITURE</b> Bench seats (5 per sports field) Rubbish and recycle bins (Rubbish + Recycle to each field) Picnic tables Electric BBQ Drinking fountain Bike racks (2 per field)	no.	25	\$1,500	\$37,500
		no.	10	\$2,000	\$20,000
		no.	5	\$3,500	\$17,500
		no.	2	\$10,000	\$20,000
		no.	4	\$3,500	\$14,000
		no.	10	\$2,000	\$20,000
7	<b>LANDSCAPE ESTABLISHMENT</b> 104 weeks landscape maintenance (rate / m2 of soft landscape )	m2	60,222	\$3.40	\$204,755
9	<b>FENCING &amp; BOLLARDS</b> <b>Bollards:</b> Removable bollard for maintenance access <b>Fencing:</b> Bollard and cable vehicle exclusion fencing to west and north boundaries of site Lockable vehicle entry gates at west and east ends of access road	item	1	\$350	\$350
		lin. m	1,927	\$80	\$154,160
		ea	2	\$1,500	\$3,000
10	<b>RETAINING WALLS</b> 1.0m high rendered reinforced blockwork retaining wall with ag drainage	lin. m	400	\$400	\$160,000
11	<b>SPORTING FACILITIES</b> <b>Synthetic Soccer/Hockey fields - 2 No:</b> Full size soccer field with FCR base & Sportsgrass, sand filled surface (8360m2 each) Full size hockey field with FCR base & Sportsgrass, sand filled surface (6560m2 each) Perimeter drainage & connections Perimeter fencing to soccer oval - 1m high black chain link with top & bottom rail (372m perimeter) Perimeter fencing to hockey oval - 1m high black chain link with top & bottom rail (320m perimeter) Coaches Boxes - 2 per field Timekeepers Box Players Shelters - 2 per field <b>Turf Soccer/Hockey fields - 4 No:</b> Full size soccer field with irrigation, 200mm topsoil, perimeter ag drain& warm season turf (including maintenance for 1 year.) Perimeter drainage & connections Perimeter fencing - 1m high black chain link with top & bottom rail (372m perimeter to each x 4) Soccer goal posts including nets & footing Coaches Boxes - 2 per field Timekeepers Box Players Shelters - 2 per field Recycled water allowance for establishment of turf Perimeter fencing - 3m high black chain link with top & bottom rail <b>Tennis Courts</b> - incl. drainage, 3.6m black chain wire fence, nets & posts, rebound Synpave surface Players Shelters - 1 per court	m2	8,360	\$84	\$702,240
		m2	6,560	\$84	\$551,040
		item	2	\$40,000	\$80,000
		lin.m	372	\$55	\$20,460
		lin.m	320	\$55	\$17,600
		ea	4	\$2,000	\$8,000
		ea	2	\$2,000	\$4,000
		ea	4	\$2,000	\$8,000
		item	4	\$440,000	\$1,760,000
		item	4	\$60,000	\$240,000
		lin.m	1,488	\$55	\$81,840
		item	8	\$10,000	\$80,000
		ea	8	\$2,000	\$16,000
		ea	4	\$2,000	\$8,000
		ea	8	\$2,000	\$16,000
		item	4	\$25,000	\$100,000
		lin.m	495	\$150	\$74,250
		ea	10	\$42,000	\$420,000
		ea	10	\$2,000	\$20,000
12	<b>PROVISIONAL ITEMS</b> Signage - identification & directional	Item	1	\$25,000	\$25,000
13	<b>LIGHTING</b> Basic oval lighting Premium oval lighting	Item	2	\$45,000	\$90,000
		Item	2	\$90,000	\$180,000
	<b>Sub-Total</b>				<b>\$6,331,884</b>
	Professional Fees		10%		\$633,188
	Contingency		10%		\$633,188
	<b>TOTAL AMOUNT (EXCL:GST)</b>				<b>\$7,598,261</b>
11A	<b>SPORTING FACILITIES - TENNIS COURT EXPANSION</b> <b>Tennis Courts</b> - incl. drainage, 3.6m black chain wire fence, nets & posts, rebound Synpave surface Players Shelters - 1 per court Contingency	ea	8	\$42,000	\$336,000
		ea	8	\$2,000	\$16,000
			10%		\$33,600
	<b>Sub-Total</b>				<b>\$385,600</b>
	<b>TOTAL AMOUNT INCLUDING TENNIS COURT EXPANSION (EXCL:GST)</b>				<b>\$7,983,861</b>
	<b>Exclusions-</b> GST Existing tree pruning works Civil works packages - refer Brown Consulting estimates Services connections				