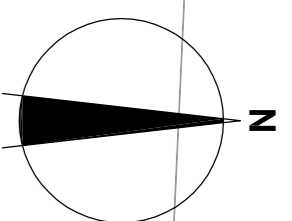
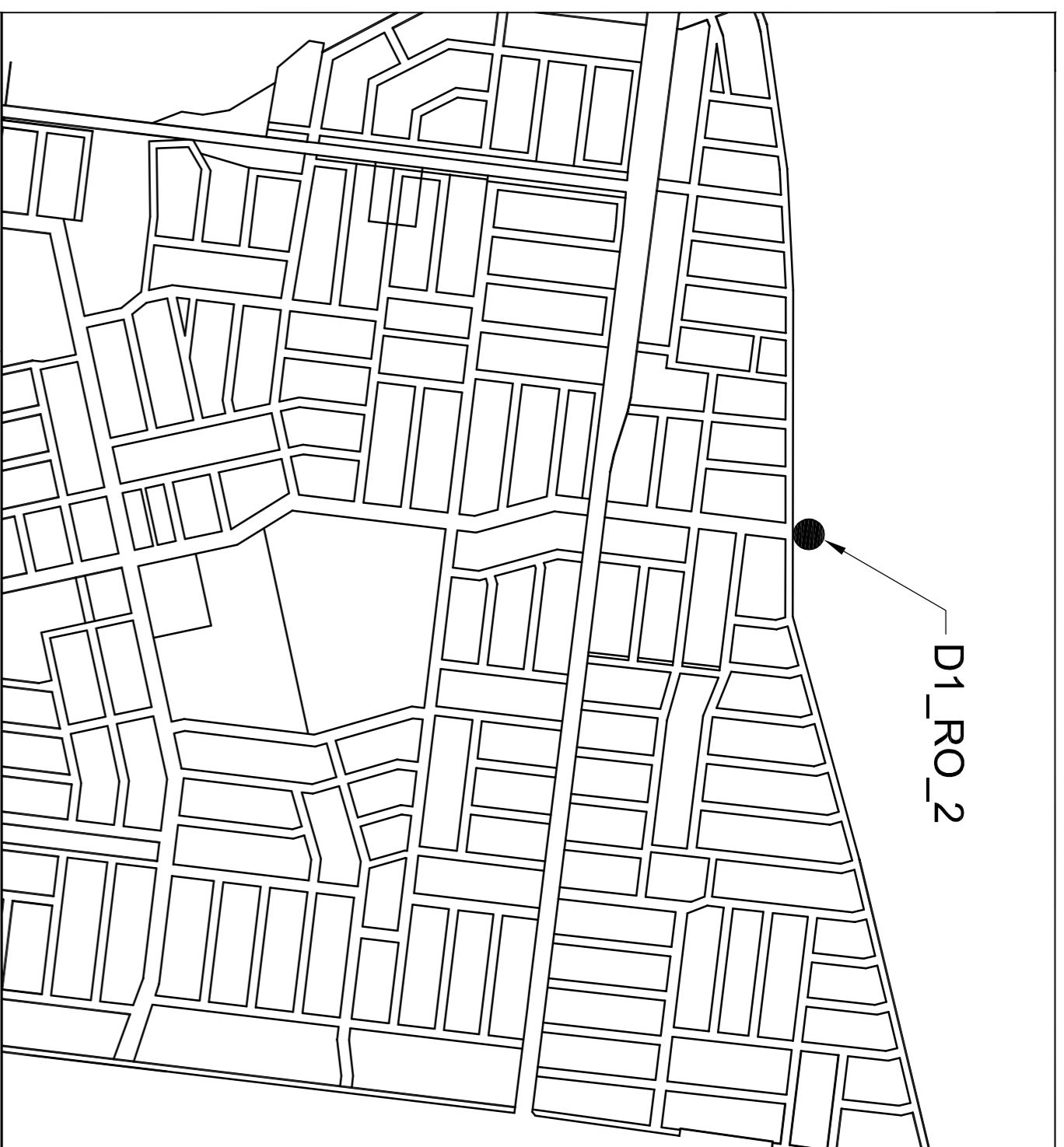


STATUS	A	DCP ITEMS RE-NUMBERED	COMMENTS
DATE	02/11/2011		

**BROWN**  
*Smart Consulting*  
 ©2011  
 BROWN CONSULTING (VIC) PTY LTD  
 Engineers, Town Planners and Surveyors  
 Level 2, 55 Southbank Boulevard  
 Southbank VIC 3006  
 www.brownconsulting.com.au  
 T 03 9203 9000

PROJECT	ARMSTRONG CREEK
CLIENT	ARMSTRONG CREEK DEVELOPMENT PTY LTD
SIGNED	
DATE	


SCALE	1:1000	TITLE	ARMSTRONG CREEK WEST PRECINCT CITY OF GREATER GEEELONG DEVELOPMENT CONTRIBUTION PLAN D1_RO_1 INTERSECTION GRR-4C & CONNECTOR (WEST OF AIRPORT ROAD)
DRAWN	H. TANG	DIRECTOR	T. PALIOS
DESIGN	T. PALIOS	DRAWING NUMBER	M100611-DCP2R-INT
DATE	27/09/2011	STATUS	A




GEELONG RING ROAD SECT. 4C



**LEGEND**

 NEW FULL DEPTH PAVEMENT

 CONCRETE ISLANDS

STATUS		DATE		DCP ITEMS RE-NUMBERED		COMMENTS	
A		02/11/2011		DCP ITEMS RE-NUMBERED		COMMENTS	
<p><b>BROWN</b> <i>Smart Consulting</i></p> <p>©2011          BROWN CONSULTING (VIC) PTY LTD          Engineers, Town Planners and Surveyors          Level 2, 55 Southbank Boulevard          Southbank VIC 3006          www.brownconsulting.com.au          T 03 9203 9000</p>							
PROJECT		CLIENT		SIGNED		DATE	
ARMSTRONG CREEK		ARMSTRONG CREEK		DATE		DATE	
ARMSTRONG CREEK		DEVELOPMENT PTY LTD		DATE		DATE	
SCALE		DRAWN		DESIGN		DIRECTOR	
1:1000		H. TANG		T. PALIOS		T. PALIOS	
DATE		DATE		DATE		DATE	
27/09/2011		27/09/2011		27/09/2011		27/09/2011	
TITLE		DRAWING NUMBER		STATUS		STATUS	
ARMSTRONG CREEK WEST PRECINCT		M100611-DCP3R-INT		A		A	
CITY OF GREATER GEELONG							
DEVELOPMENT CONTRIBUTION PLAN							
D1_RO_2 INTERSECTION GRR-4C & NORTH - SOUTH							
CONNECTOR ROAD							



STATUS	DATE	DCP ITEMS RE-NUMBERED	COMMENTS
A	02/11/2011		

**BROWN**  
*Smart Consulting*  
 ©2011  
 BROWN CONSULTING (VIC) PTY LTD  
 Engineers, Town Planners and Surveyors  
 Level 2, 55 Southbank Boulevard  
 Southbank VIC 3008  
 www.brownconsulting.com.au  
 T 03 9203 9000

PROJECT	ARMSTRONG CREEK
CLIENT	ARMSTRONG CREEK DEVELOPMENT PTY LTD
SIGNED	DATE




SCALE	1:1500	TITLE	ARMSTRONG CREEK WEST PRECINCT CITY OF GREATER GEELONG DEVELOPMENT CONTRIBUTION PLAN D1_RO_3 INTERSECTION SURF COAST HWY & BOUNDARY ROAD - INTERIM
DRAWN	H. TANG	DIRECTOR	T. PALIOS
DESIGN	T. PALIOS	DRAWING NUMBER	M100611-DCP4R-INT
DATE	27/09/2011	STATUS	A

**LEGEND**

- NEW FULL DEPTH PAVEMENT
- CONCRETE ISLANDS
- GRANITIC SAND



**LEGEND**

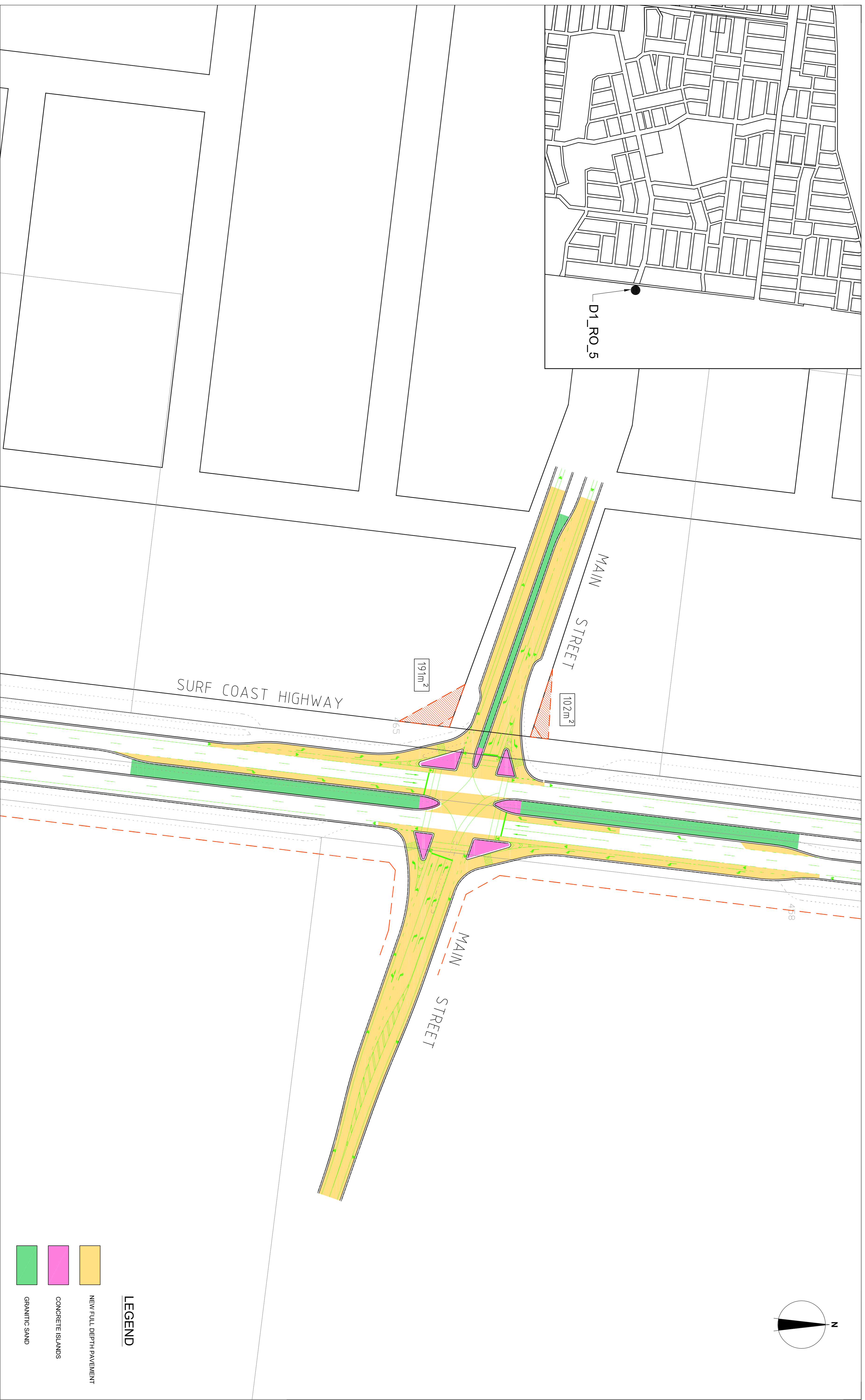
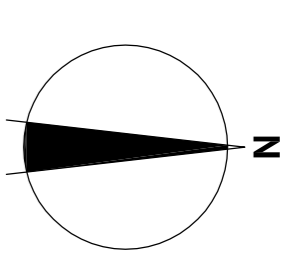
	NEW FULL DEPTH PAVEMENT
	CONCRETE ISLANDS
	GRANITIC SAND

STATUS	DATE	DCP ITEMS RE-NUMBERED	COMMENTS
A	02/11/2011		




**BROWN**  
*Smart Consulting*  
 ©2011  
 BROWN CONSULTING (VIC) PTY LTD  
 Engineers, Town Planners and Surveyors  
 Level 2, 55 Southbank Boulevard  
 Southbank VIC 3006  
 www.brownconsulting.com.au  
 T 03 9203 9000

PROJECT	ARMSTRONG CREEK
CLIENT	ARMSTRONG CREEK DEVELOPMENT PTY LTD
SIGNED	DATE

SCALE	1:1500	TITLE	ARMSTRONG CREEK WEST PRECINCT CITY OF GREATER GEELONG DEVELOPMENT CONTRIBUTION PLAN D1_RO_4 INTERSECTION SURF COAST HWY & NORTH ACCESS (MAC) - INTERIM
DRAWN	H.TANG	DIRECTOR	T.PALLOS
DESIGN	T.PALLOS	DRAWING NUMBER	M100611-DCP6R-INT
DATE	27/09/2011	STATUS	A



**LEGEND**

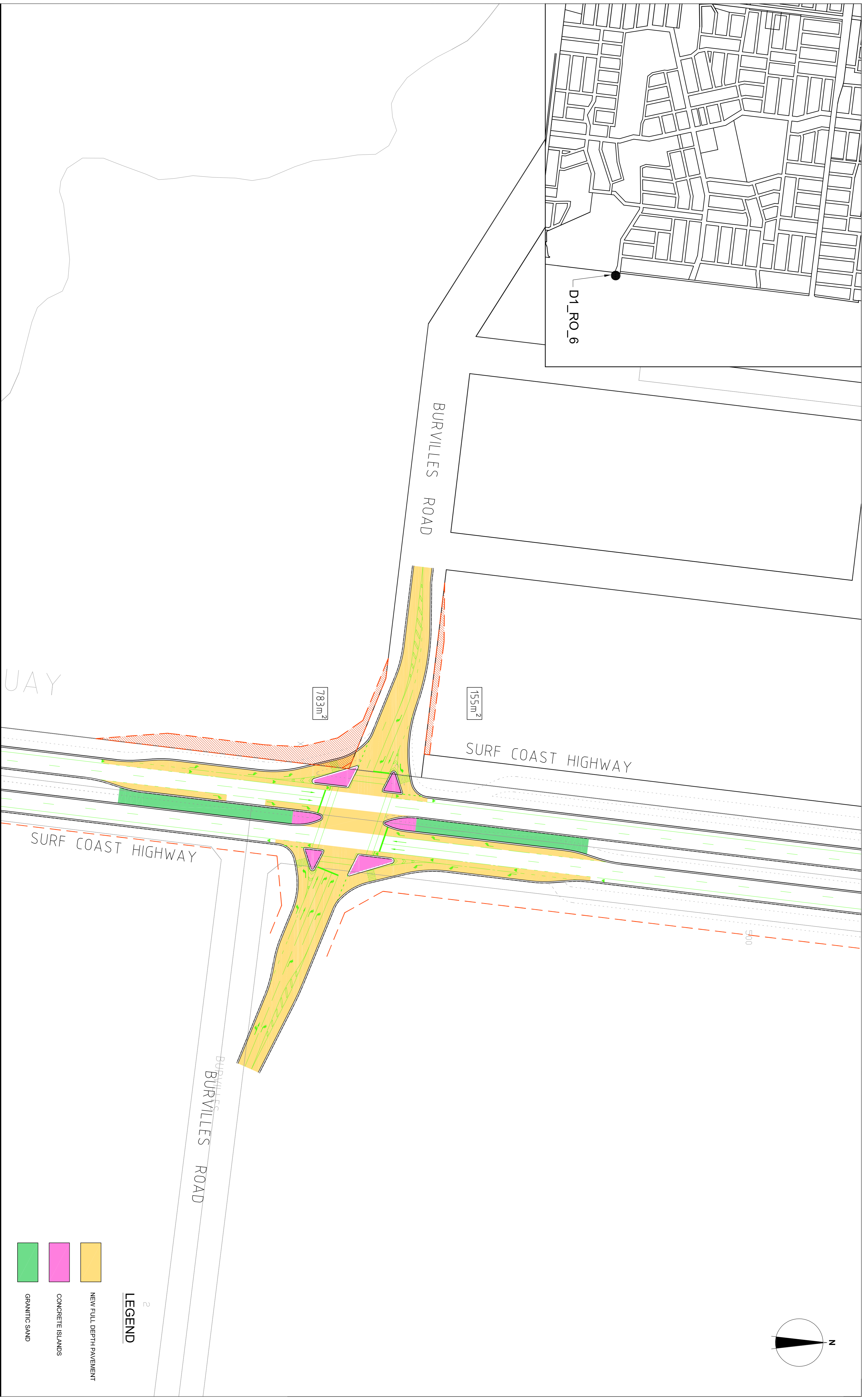
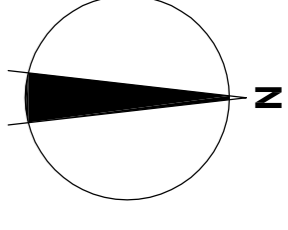
	NEW FULL DEPTH PAVEMENT
	CONCRETE ISLANDS
	GRANITIC SAND




STATUS	DATE	DCP ITEMS RE-NUMBERED	COMMENTS
A	02/11/2011		

**BROWN**  
*Smart Consulting*  
 ©2011  
 BROWN CONSULTING (VIC) PTY LTD  
 Engineers, Town Planners and Surveyors  
 Level 2, 55 Southbank Boulevard  
 Southbank VIC 3008  
 www.brownconsulting.com.au  
 T 03 9203 9000

PROJECT	ARMSTRONG CREEK
CLIENT	ARMSTRONG CREEK DEVELOPMENT PTY LTD
SIGNED	DATE

SCALE	1:1500	TITLE	ARMSTRONG CREEK WEST PRECINCT CITY OF GREATER GEELONG DEVELOPMENT CONTRIBUTION PLAN D1_RO_5 INTERSECTION SURF COAST HWY & MAIN STREET (MAC) - INTERIM
DRAWN	H. TANG	DRAWING NUMBER	M100611-DCP8R-INT
DESIGN	T. PALIOS	STATUS	A
DIRECTOR	T. PALIOS		
DATE	27/09/2011		



	NEW FULL DEPTH PAVEMENT
	CONCRETE ISLANDS
	GRANITIC SAND

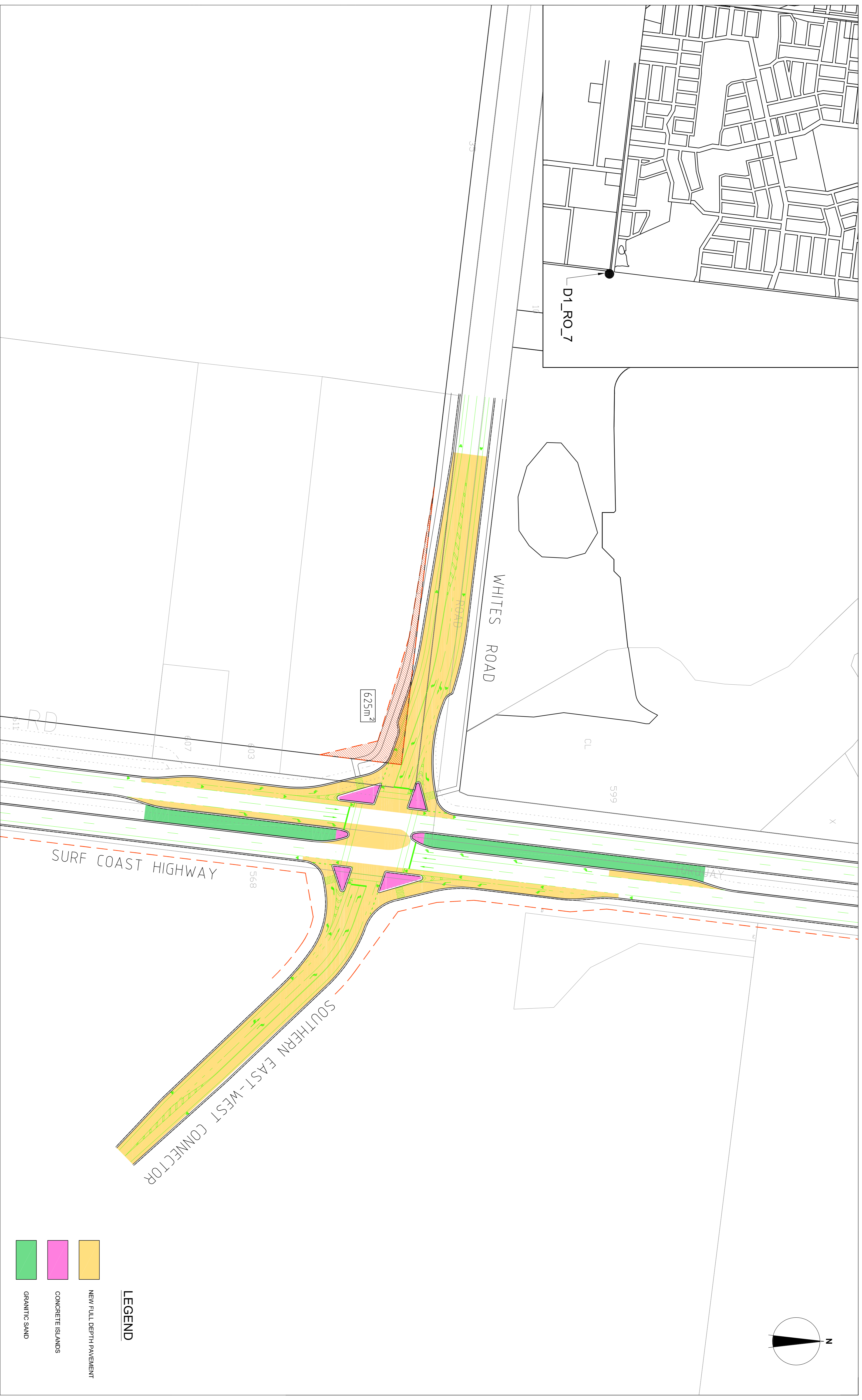
2  
**LEGEND**

STATUS	DATE	DCP ITEMS RE-NUMBERED	COMMENTS
A	02/11/2011		




**BROWN**  
*Smart Consulting*  
 ©2011  
 BROWN CONSULTING (VIC) PTY LTD  
 Engineers, Town Planners and Surveyors  
 Level 2, 55 Southbank Boulevard  
 Southbank VIC 3008  
 www.brownconsulting.com.au  
 T 03 9203 9000

PROJECT	ARMSTRONG CREEK
CLIENT	ARMSTRONG CREEK DEVELOPMENT PTY LTD
SIGNED	DATE

SCALE	1:1500	TITLE	ARMSTRONG CREEK WEST PRECINCT CITY OF GREATER GEELONG DEVELOPMENT CONTRIBUTION PLAN DI_RO_6 INTERSECTION SURF COAST HWY & BURVILLES ROAD - INTERIM
DRAWN	H. TANG	DRAWING NUMBER	M100611-DCP10R-INT
DESIGN	T. PALIOS	DATE	27/09/2011
DIRECTOR	T. PALIOS	STATUS	A



**LEGEND**

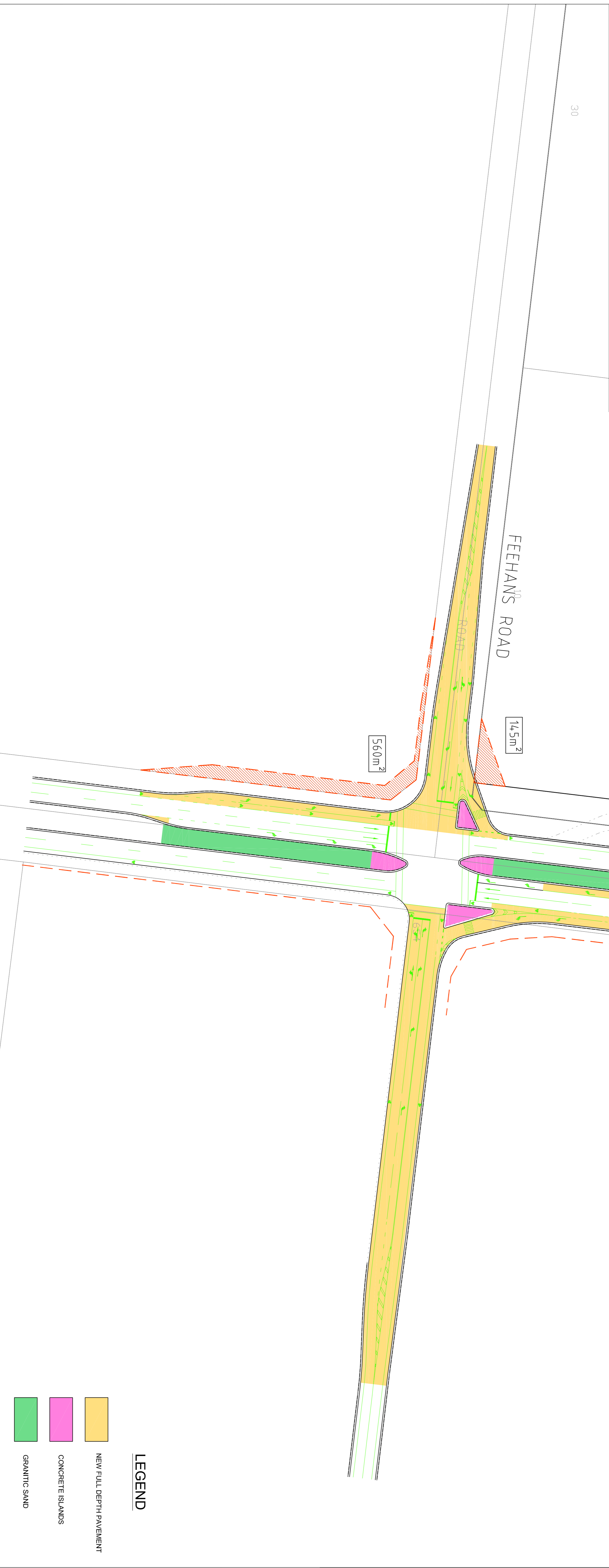
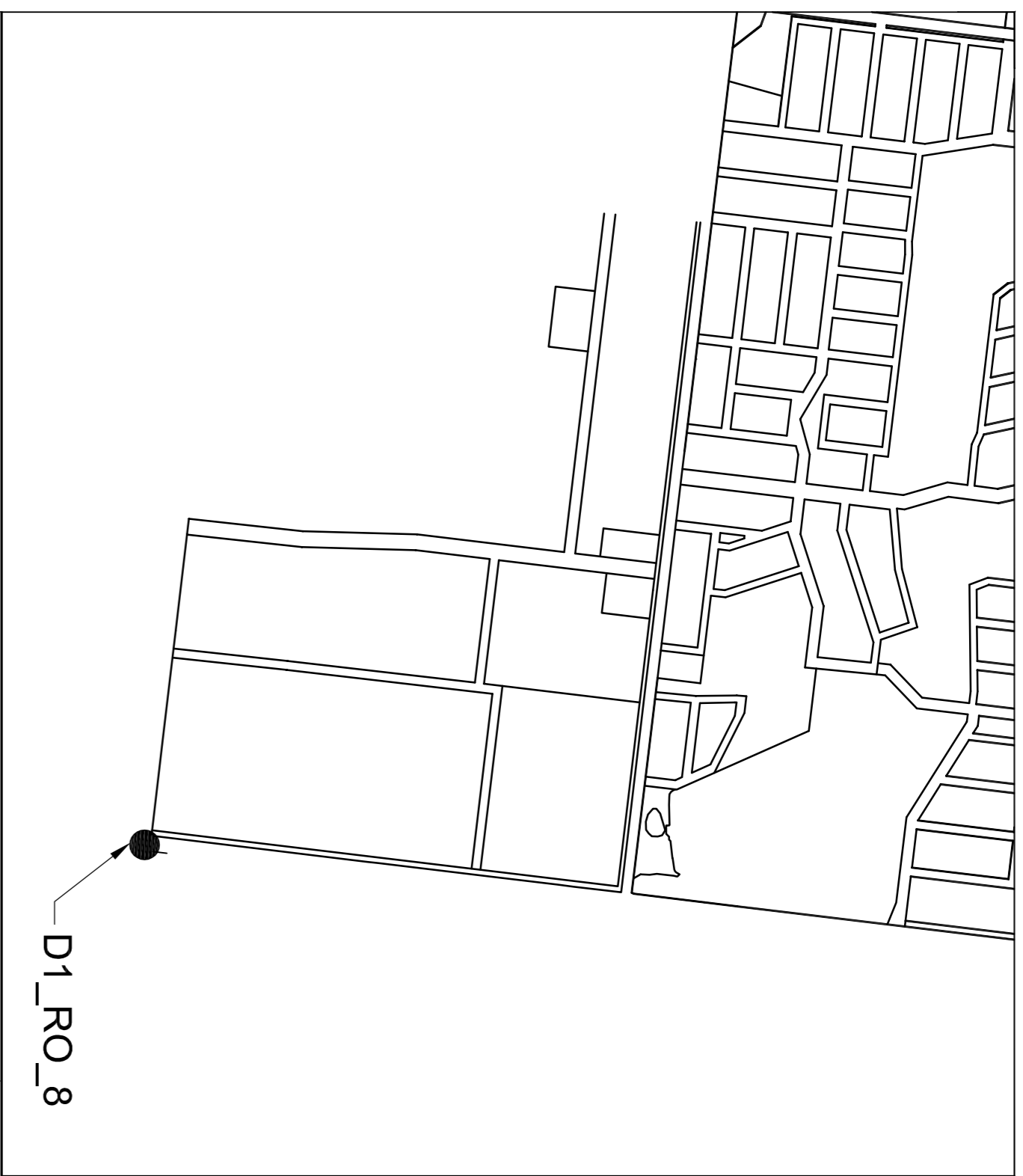
	NEW FULL DEPTH PAVEMENT
	CONCRETE ISLANDS
	GRANITIC SAND

STATUS	DATE	DCP ITEMS RE-NUMBERED	COMMENTS
A	02/11/2011		




**BROWN**  
*Smart Consulting*  
 ©2011  
 BROWN CONSULTING (VIC) PTY LTD  
 Engineers, Town Planners and Surveyors  
 Level 2, 55 Southbank Boulevard  
 Southbank VIC 3008  
 www.brownconsulting.com.au  
 T 03 9203 9000

PROJECT	ARMSTRONG CREEK
CLIENT	ARMSTRONG CREEK DEVELOPMENT PTY LTD
SIGNED	DATE

TITLE	ARMSTRONG CREEK WEST PRECINCT CITY OF GREATER GEELONG DEVELOPMENT CONTRIBUTION PLAN D1_RO_7 INTERSECTION SURF COAST HWY & WHITES ROAD - INTERIM
SCALE	1:1500
DRAWN	H.TANG
DESIGN	T.PALIOS
DIRECTOR	T.PALIOS
DRAWING NUMBER	M100611-DCP12R-INT
DATE	27/09/2011
STATUS	A



**LEGEND**

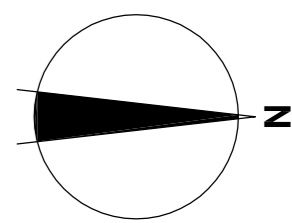
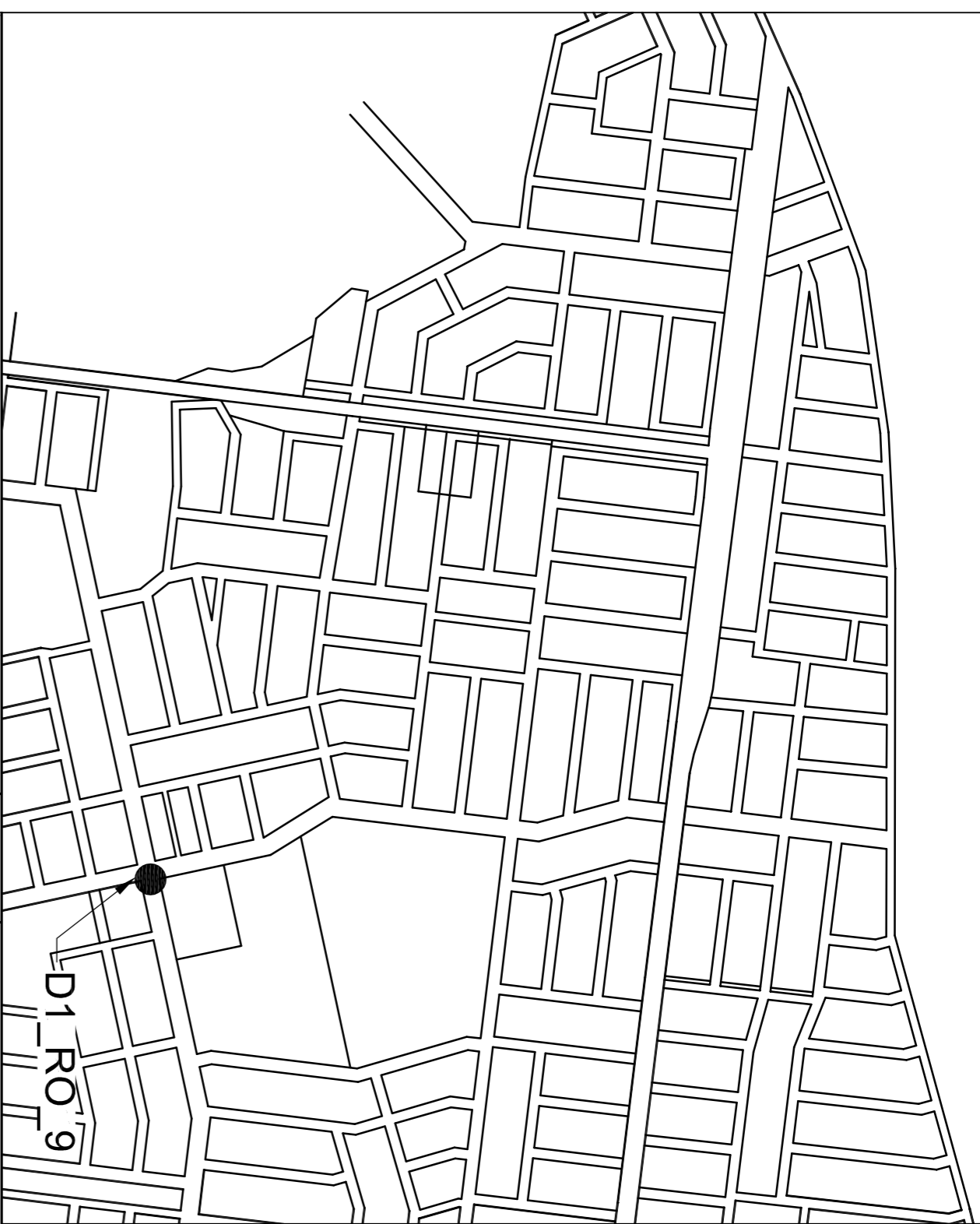
	NEW FULL DEPTH PAVEMENT
	CONCRETE ISLANDS
	GRANITIC SAND

STATUS	DATE	COMMENTS
A	02/11/2011	DCP ITEMS RE-NUMBERED

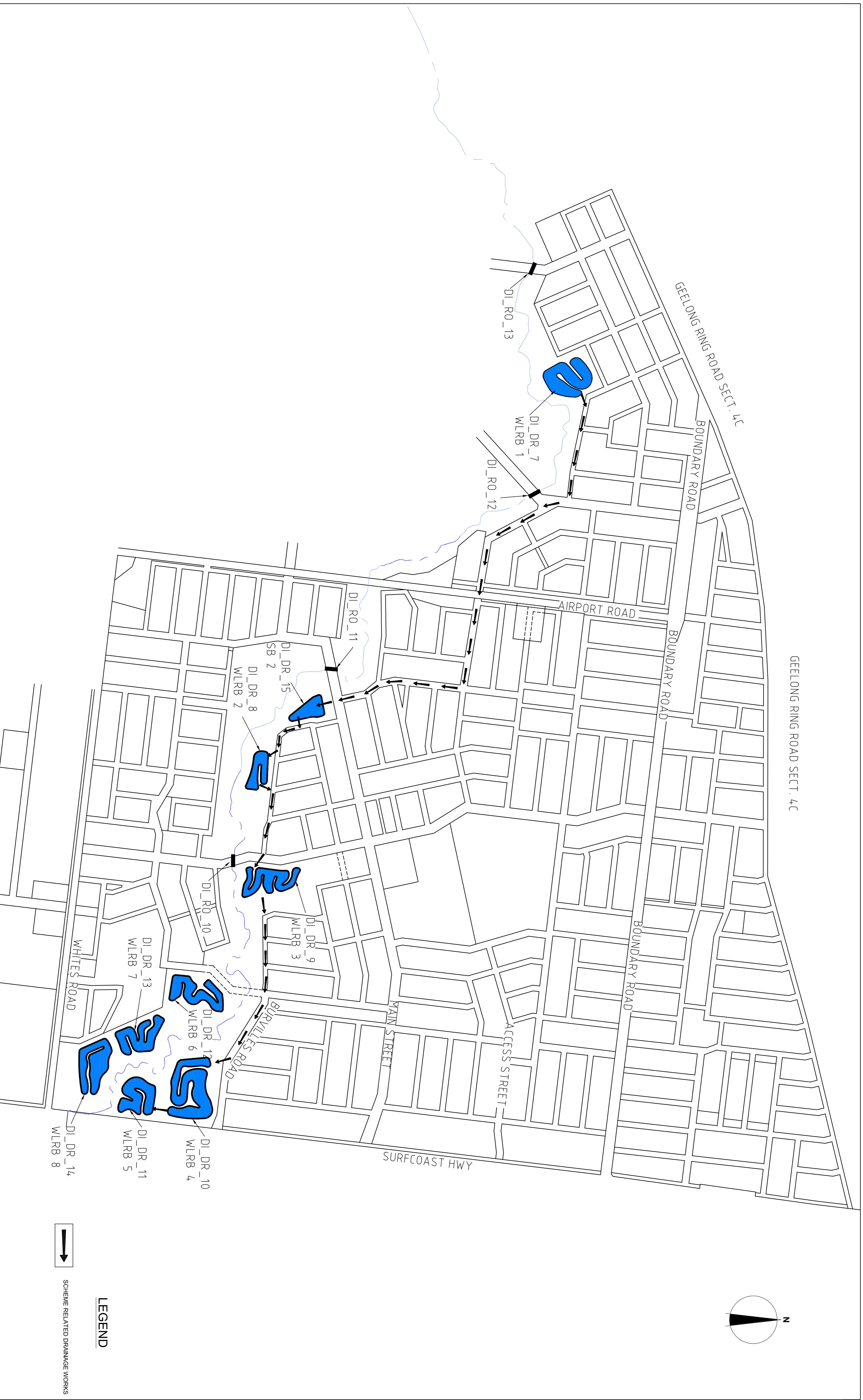
**BROWN**  
*Smart Consulting*  
 ©2011  
 BROWN CONSULTING (VIC) PTY LTD  
 Engineers, Town Planners and Surveyors  
 Level 2, 55 Southbank Boulevard  
 Southbank VIC 3008  
 www.brownconsulting.com.au  
 T 03 9203 9000

PROJECT	ARMSTRONG CREEK
CLIENT	ARMSTRONG CREEK DEVELOPMENT PTY LTD
SIGNED	DATE

SCALE	1:1500	TITLE	ARMSTRONG CREEK WEST PRECINCT CITY OF GREATER GEELONG DEVELOPMENT CONTRIBUTION PLAN D1_RO_8 INTERSECTION SURF COAST HWY & FEEHANS ROAD - INTERIM
DRAWN	H. TANG	DRAWING NUMBER	M100611-DCP14R-INT
DESIGN	T.P. ALLIOS	STATUS	A
DIRECTOR	T.P. ALLIOS		
DATE	27/09/2011		



STATUS	DATE	DCP ITEMS RE-NUMBERED	COMMENTS
A	02/11/2011		
<p><b>BROWN</b>  <i>Smart Consulting</i>  <small>©2011</small>          BROWN CONSULTING (VIC) PTY LTD          Engineers, Town Planners and Surveyors          Level 2, 55 Southbank Boulevard          Southbank VIC 3006          www.brownconsulting.com.au          T 03 9203 9000</p>			
PROJECT	CLIENT	SIGNED	DATE
ARMSTRONG CREEK	ARMSTRONG CREEK DEVELOPMENT PTY LTD		
SCALE	DRAWN	DESIGN	DIRECTOR
1:1500	H.TANG	T.PALIOS	T.PALIOS
DATE	16/08/2011	TITLE ARMSTRONG CREEK WEST PRECINCT CITY OF GREATER GEELONG DEVELOPMENT CONTRIBUTION PLAN D1_RO_9 INTERSECTION - NAC (RETAIL / SCHOOL PRECINCT) - INTERIM DRAWING NUMBER M100611-DCP15R-INT	
STATUS	A		

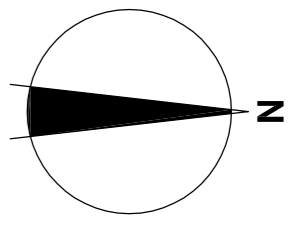
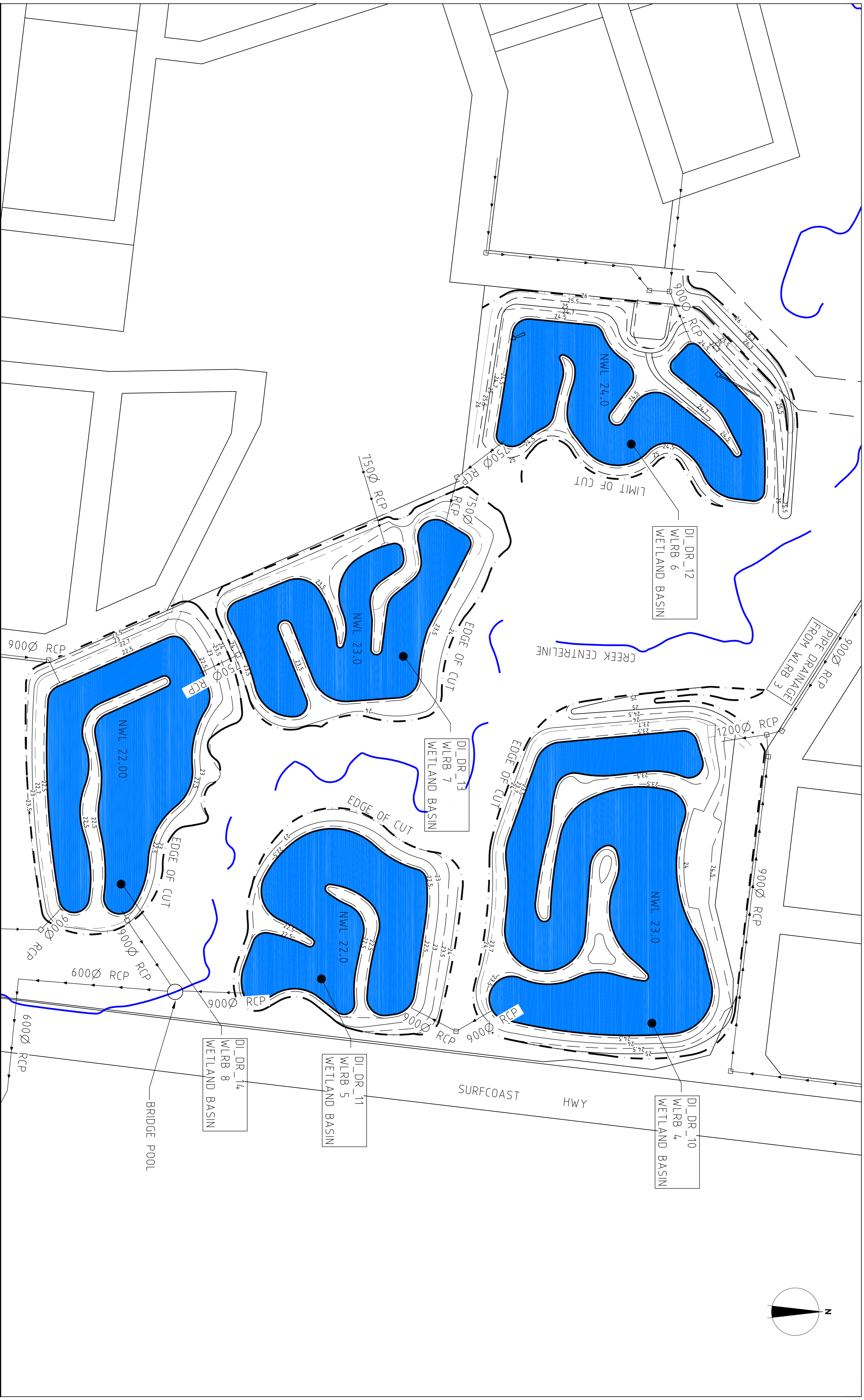


STATUS	DATE	COMMENTS
A	25/08/2011	GENERAL
B	02/11/2011	DCP ITEMS RE-NUMBERED

**BROWN**  
*Smart Consulting*  
 www.brownconsulting.com.au  
 ©2011  
 BROWN CONSULTING (VIC) PTY LTD  
 Engineers, Town Planners and Surveyors  
 Level 2, 55 Southbank Boulevard  
 Southbank VIC 3008  
 T 03 9203 9000

PROJECT	ARMSTRONG CREEK
CLIENT	ARMSTRONG CREEK DEVELOPMENT PTY LTD
SIGNED	DATE

SCALE	1:10000
DRAWN	H. TANG
DESIGN	T. PALIOS
DIRECTOR	T. PALIOS
DATE	22/08/2011
TITLE	ARMSTRONG CREEK WEST PRECINCT CITY OF GREATER GEELONG DEVELOPMENT CONTRIBUTION PLAN WETLAND KEY PLAN
DRAWING NUMBER	M100611-DCP1W
STATUS	B

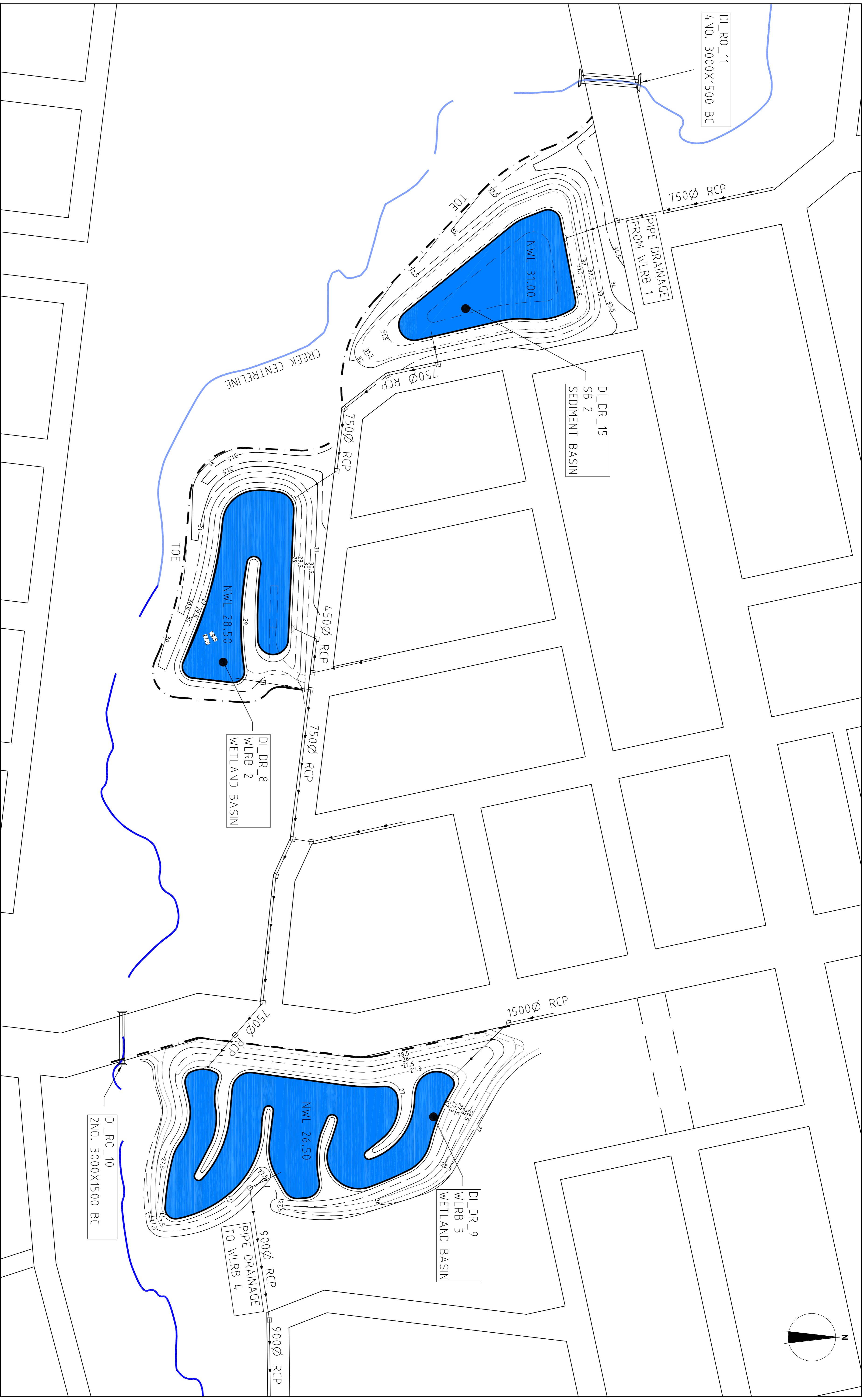
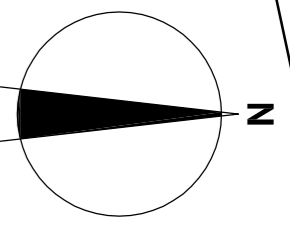


STATUS	A
DATE	02/11/2011
DCP ITEMS RE-NUMBERED	COMMENTS

**BROWN**  
*Smart Consulting*  
 www.brownconsulting.com.au  
 ©2011  
 BROWN CONSULTING (VIC) PTY LTD  
 Engineers, Town Planners and Surveyors  
 Level 2, 55 Southbank Boulevard  
 Southbank VIC 3008  
 T 03 9203 9000

PROJECT	ARMSTRONG CREEK
CLIENT	ARMSTRONG CREEK DEVELOPMENT PTY LTD
SIGNED	DATE

SCALE	1:2000	TITLE	ARMSTRONG CREEK WEST PRECINCT CITY OF GREATER GEELONG DEVELOPMENT CONTRIBUTION PLAN WETLAND EASTERN PLAN
DRAWN	H. TANG	DRAWING NUMBER	M100611-DCP2W
DESIGN	T. PALIOS	STATUS	A
DIRECTOR	T. PALIOS		
DATE	22/08/2011		

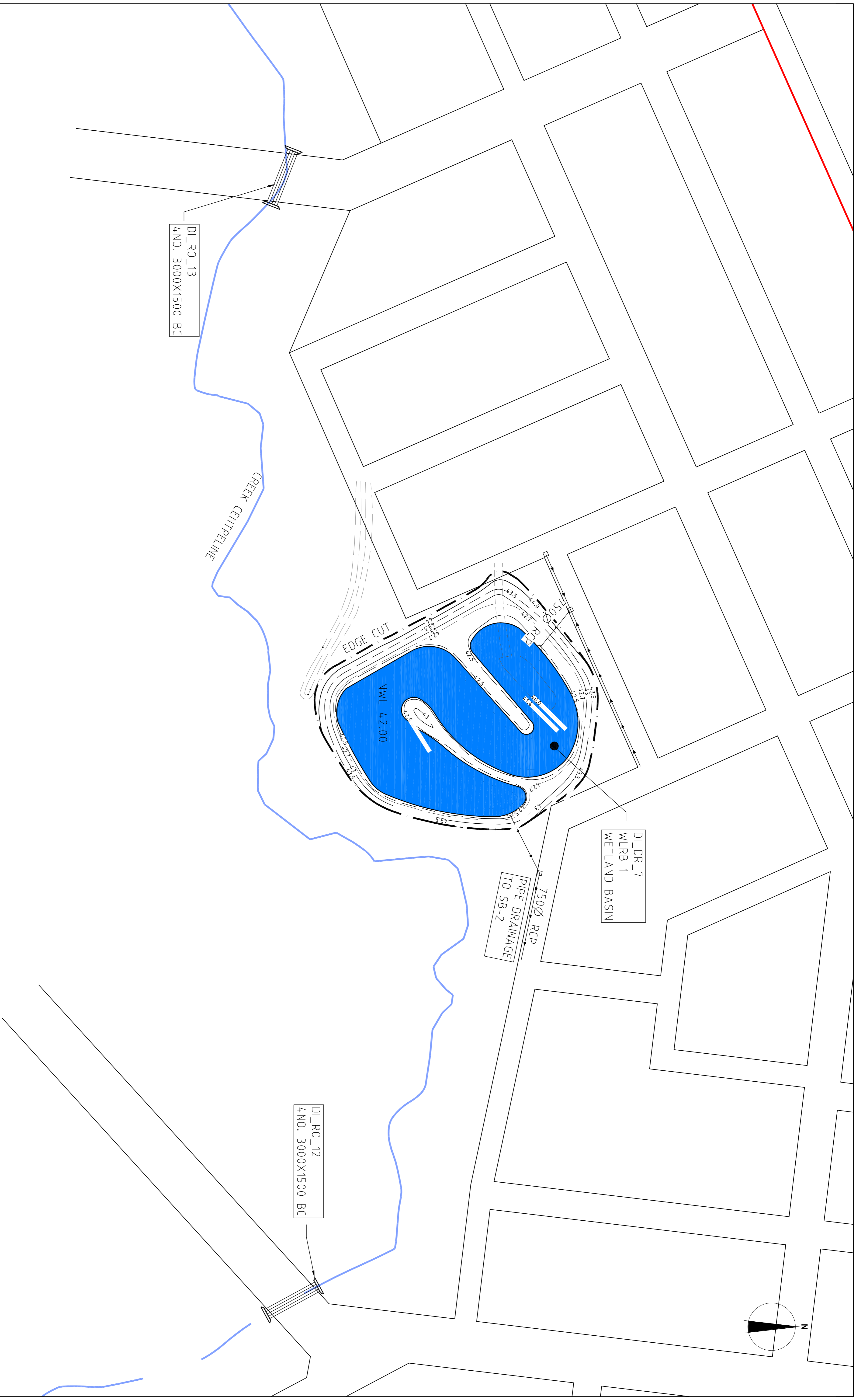


STATUS	DATE	COMMENTS
A	02/11/2011	D/P ITEMS RE-NUMBERED

**BROWN**  
*Smart Consulting*  
www.brownconsulting.com.au  
©2011  
BROWN CONSULTING (VIC) PTY LTD  
Engineers, Town Planners and Surveyors  
Level 2, 55 Southbank Boulevard  
Southbank VIC 3006  
T 03 9203 9000

PROJECT	TITLE
ARMSTRONG CREEK	ARMSTRONG CREEK WEST PRECINCT
CLIENT	CITY OF GREATER GEELONG
ARMSTRONG CREEK DEVELOPMENT PTY LTD	DEVELOPMENT CONTRIBUTION PLAN
WETLAND CENTRAL GROUP	

SCALE	DRAWN	DESIGN	DIRECTOR	DRAWING NUMBER	STATUS
1:2000	H. TANG	T. PALIOS	T. PALIOS	M100611-DCP3W	A
SIGNED	DATE	DATE	DATE	DATE	DATE
		22/08/2011			

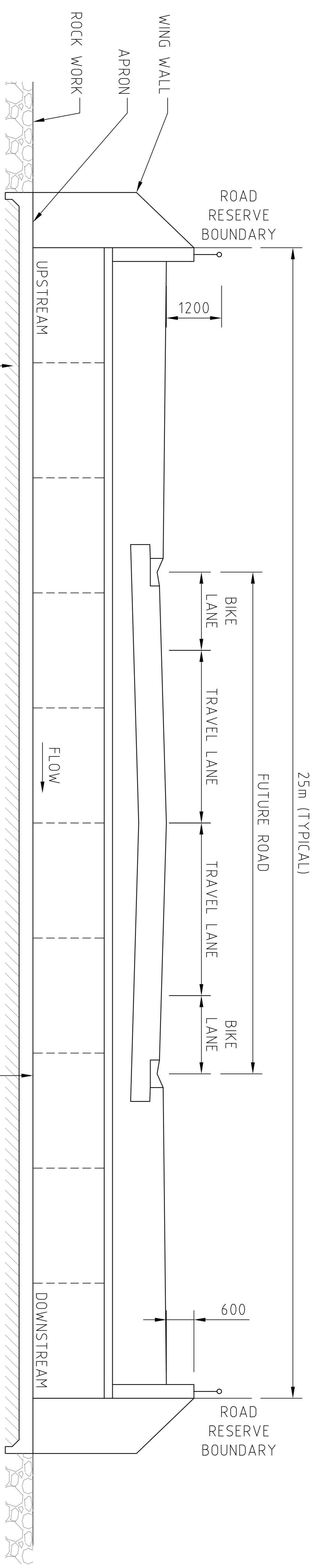


STATUS	A	DATE	02/11/2011	DCP ITEMS RE-NUMBERED	COMMENTS

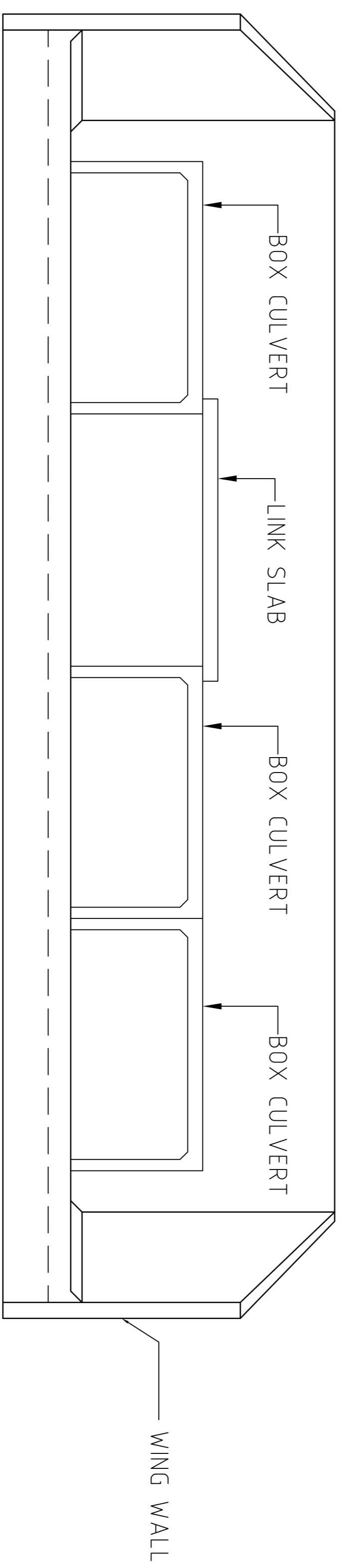
**BROWN**  
*Smart Consulting*  
 ©2011  
 BROWN CONSULTING (VIC) PTY LTD  
 Engineers, Town Planners and Surveyors  
 Level 2, 55 Southbank Boulevard  
 Southbank VIC 3008  
 www.brownconsulting.com.au  
 T 03 9203 9000

PROJECT	ARMSTRONG CREEK
CLIENT	ARMSTRONG CREEK DEVELOPMENT PTY LTD
SIGNED	DATE

SCALE	1:2000	TITLE	ARMSTRONG CREEK WEST PRECINCT CITY OF GREATER GEELONG DEVELOPMENT CONTRIBUTION PLAN WETLAND WESTERN GROUP
DRAWN	H. TANG	DIRECTOR	T. PALIOS
DESIGN	T. PALIOS	DRAWING NUMBER	M100611-DCPAW
DATE	22/08/2011	STATUS	A

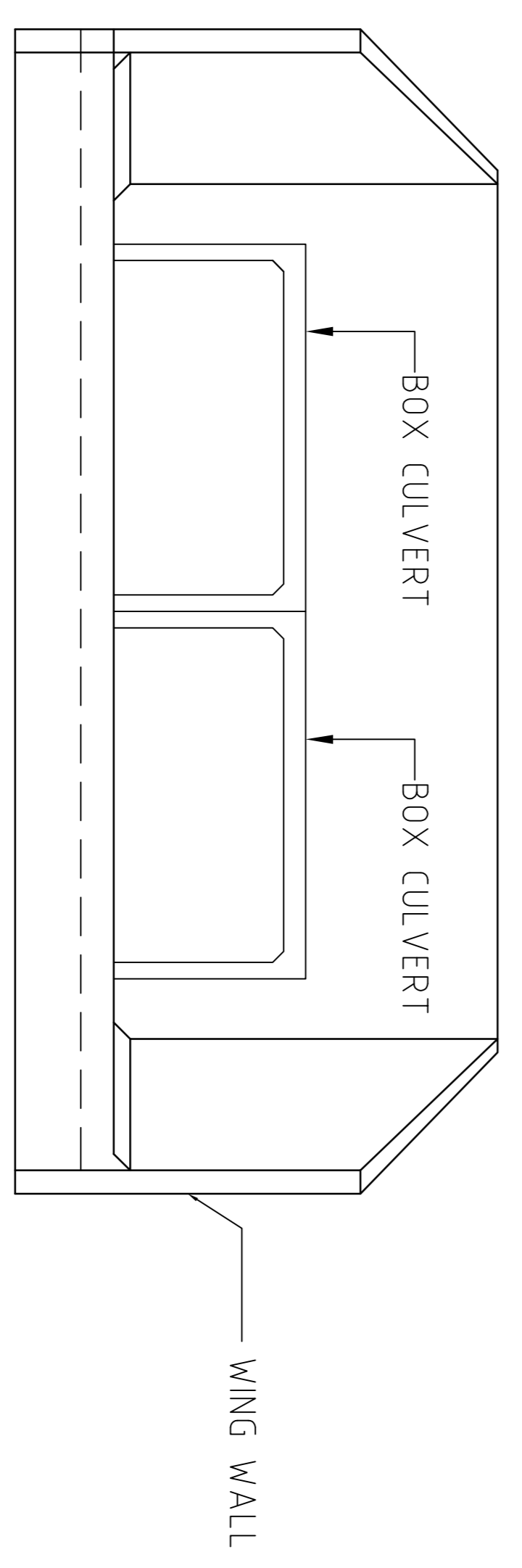


CULVERT CELL  
TYPICAL CROSS SECTION  
SCALE: 1:100



DI\_RO\_11, DI\_RO\_12 & DI\_RO\_13  
4No. 3000mm x 1500mm - CULVERT CELL  
SCALE: 1:100

TYPICAL CULVERT APRON - SECTION  
SCALE 1:50



DI\_RO\_10  
2No. 3000mm x 1500mm - CULVERT CELL  
SCALE: 1:100

TYPICAL CULVERT WINGWALL - SECTION  
SCALE 1:50

STATUS		DATE		DGP ITEMS RE-NUMBERED		COMMENTS	
A		02/11/2011		DGP ITEMS RE-NUMBERED			
<p><b>BROWN</b> <i>Smart Consulting</i></p> <p>BROWN CONSULTING (VIC) PTY LTD Engineers, Town Planners and Surveyors Level 2, 55 Southbank Boulevard Southbank VIC 3006 www.brownconsulting.com.au T 03 9203 9000</p>							
PROJECT		CLIENT		SIGNED		DATE	
ARMSTRONG CREEK		ARMSTRONG CREEK DEVELOPMENT PTY LTD		[Signature]		[Date]	
SCALE		DRAWN		DATE		TITLE	
1:50		H.TANG		22/08/2011		ARMSTRONG CREEK WEST PRECINCT CITY OF GREATER GEELONG DEVELOPMENT CONTRIBUTION PLAN BOX CULVERT SECTIONS	
SCALE		DESIGN		DIRECTOR		DRAWING NUMBER	
1:50		T.PALIOS		T.PALIOS		M100611-DCPSW	
SCALE		DATE		STATUS			
1:50		22/08/2011		A			

**BROWN**

Smart Consulting

Job No. M100611/R  
Date: Oct 2011

<b>DI_RO_1 - INTERIM INTERSECTION - GRR-4C and Connector (west of Airport Road)</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	100,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP OH&S Plan and SMP.	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip, stockpile and respread.	3,500	m <sup>2</sup>	4	14,000
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Spoil (SOLID)	2,300	m <sup>3</sup>	23	52,900
<b>3</b>	<b>ROAD PAVEMENT</b>				
	<b>For 4C</b>				
3.1	Wearing course comprising 40mm Size 14mm Type V (PSV56+) Asphalt	1,130	m <sup>2</sup>	19	21,470
3.2	Intermediate Course 1 - comprising 160mm, Size 20 Type SI Asphalt (in 2 layers)	1,130	m <sup>2</sup>	54	61,020
3.3	Intermediate Course 2 - comprising 85mm, Size 20 Type SI Asphalt	1,250	m <sup>2</sup>	28	35,000
3.4	Lower base comprising 180mm, size 20 Class 3% CTCR (E=500MPa)	1,250	m <sup>2</sup>	22	27,500
3.5	Lower subbase comprising 345mm, 20mm Class 4 CR	1,250	m <sup>2</sup>	35	43,750
	<b>For Approach Rd</b>				
3.6	Wearing course comprising 30mm Size 14mm Type N Asphalt	1170	m <sup>2</sup>	12	14,040
3.7	Base comprising 160mm, size 20 Class 3% CTCR (E=500MPa)	1170	m <sup>2</sup>	20	23,400
3.8	Sub base comprising 340mm, size 20 Class 3 CR (in 2 layers)	1500	m <sup>2</sup>	23	34,500
<b>4</b>	<b>CONCRETE WORKS</b>				
4.1	Kerb & channel	785	m	56	43,960
4.2	Footpath (125mm thick)	300	m <sup>2</sup>	55	16,500
4.3	Concrete splitter islands	135	m <sup>2</sup>	50	6,750
<b>5</b>	<b>DRAINAGE</b>				
5.1	Subsoil drains (incl. in-pavement ag's)	1,100	Lm	40	44,000
5.2	Drainage pits	6	No	2,000	12,000
5.3	Drainage pipe 300mm dia CR backfill	150	Lm	200	30,000
<b>6</b>	<b>MISCELLANEOUS</b>				
6.1	Line marking	1	Item	allow	30,000
6.2	Signage (including street signs)	1	Item	allow	10,000
6.3	Tactile pavers	1	Item	allow	5,000
6.4	Granitic sand infill to islands	625	m <sup>2</sup>	25	15,625
<b>7</b>	<b>TRAFFIC SIGNALS</b>				
7.1	Joint use mast arm (incl. foundation)	2	No	20,000	40,000
7.2	Standard signal pedestal (incl. foundation)	3	No	7,000	21,000
7.3	Lantern (LED)	12	No	3,500	42,000
7.4	Push button audio tactile detectors	6	No	2,500	15,000
7.5	Detector loops	4	No	1,500	6,000
7.6	Detector pits	2	No	1,500	3,000
7.7	Conduit pits	4	No	2,000	8,000
7.8	Signal controller	1	No	40,000	40,000
7.9	Traffic signal conduit (incl. trenching)	150	Lm	200	30,000
7.10	Signal cable 29/33 core	150	Lm	40	6,000
<b>8</b>	<b>INTERSECTION LIGHTING</b>				
8.1	Pole	12	No	3,500	42,000
8.2	High pressure sodium lantern	17	No	600	10,200
8.3	Lighting conduit (incl. trenching)	500	Lm	250	125,000
8.4	Electrical pit	12	No	2,000	24,000
8.5	Electrical cable	550	Lm	30	16,500
<b>9</b>	<b>SERVICES RELOCATION/ALTERATION</b>				
9.1	Telstra	1	Item	15,000	15,000
9.2	Electrical	1	Item	0	0
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
9.3	Water	1	Item	0	0
9.4	Other				
<b>10</b>	<b>PROFESSIONAL FEES</b>				
10.1	Survey & Design	1	Item	10%	114,012
10.2	Geotech Investigation & Pavement Design	1	Item	10,000	10,000
<b>11</b>	<b>COUNCIL SUPERVISION FEE</b>				
11.1	3.25% of cost of works	1	Item	3.25%	37,054
<b>12</b>	<b>VICROADS</b>				
12.1	Vicroads 10 year Maintenance Bond	1	Item	allow	100,000
12.2	VicRoads Approval Fees	1	Item	allow	20,000
<b>13</b>	<b>CONTINGENCY (Items 1-9)</b>				
		1	Item	20%	228,023
<b>TOTAL</b>					<b>\$ 1,649,203</b>

<b>DI_RO_2 - INTERIM INTERSECTION - GRR-4C and North-South Connector</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	100,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip, stockpile and respread.	3,600	m <sup>2</sup>	4	14,400
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Spoil (SOLID)	2,400	m <sup>3</sup>	23	55,200
<b>3</b>	<b>ROAD PAVEMENT</b>				
	<b>For 4C</b>				
3.1	Wearing course comprising 40mm Size 14mm Type V (PSV56+) Asphalt	1,180	m <sup>2</sup>	19	22,420
3.2	Intermediate Course 1 - comprising 160mm, Size 20 Type SI Asphalt (in 2 layers)	1,180	m <sup>2</sup>	54	63,720
3.3	Intermediate Course 2 - comprising 85mm, Size 20 Type SI Asphalt	1,410	m <sup>2</sup>	28	39,480
3.4	Lower base comprising 180mm, size 20 Class 3% CTCR (E=500MPa)	1,410	m <sup>2</sup>	22	31,020
3.5	Lower subbase comprising 345mm, 20mm Class 4 CR	1,410	m <sup>2</sup>	35	49,350
	<b>For Approach Rd</b>				
3.6	Wearing course comprising 30mm Size 14mm Type N Asphalt	1170	m <sup>2</sup>	12	14,040
3.7	Base comprising 160mm, size 20 Class 3% CTCR (E=500MPa)	1170	m <sup>2</sup>	20	23,400
3.8	Sub base comprising 340mm, size 20 Class 3 CR (in 2 layers)	1390	m <sup>2</sup>	23	31,970
<b>4</b>	<b>CONCRETE WORKS</b>				
4.1	Kerb & channel	795	m	56	44,520
4.2	Footpath (125mm thick)	350	m <sup>2</sup>	55	19,250
4.3	Concrete splitter islands	160	m <sup>2</sup>	50	8,000
<b>5</b>	<b>DRAINAGE</b>				
5.1	Subsoil drains (incl. in-pavement ag's)	1,100	Lm	40	44,000
5.2	Drainage pits	6	No	2,000	12,000
5.3	Drainage pipe 300mm dia CR backfill	150	Lm	200	30,000
<b>6</b>	<b>MISCELLANEOUS</b>				
6.1	Line marking	1	Item	allow	30,000
6.2	Signage (including street signs)	1	Item	allow	10,000
6.3	Tactile pavers	1	Item	allow	5,000
6.4	Granitic sand infill to islands	725	m <sup>2</sup>	25	18,125
<b>7</b>	<b>TRAFFIC SIGNALS</b>				
7.1	Joint use mast arm (incl. foundation)	2	No	20,000	40,000
7.2	Standard signal pedestal (incl. foundation)	3	No	7,000	21,000
7.3	Lantern (LED)	12	No	3,500	42,000
7.4	Push button audio tactile detectors	6	No	2,500	15,000
7.5	Detector loops	4	No	1,500	6,000
7.6	Detector pits	2	No	1,500	3,000
7.7	Conduit pits	4	No	2,000	8,000
7.8	Signal controller	1	No	40,000	40,000
7.9	Traffic signal conduit (incl. trenching)	150	Lm	200	30,000
7.10	Signal cable 29/33 core	150	Lm	40	6,000
<b>8</b>	<b>INTERSECTION LIGHTING</b>				
8.1	Pole	12	No	3,500	42,000
8.2	High pressure sodium lantern	17	No	600	10,200
8.3	Lighting conduit (incl. trenching)	500	Lm	250	125,000
8.4	Electrical pit	12	No	2,000	24,000
8.5	Electrical cable	550	Lm	30	16,500
<b>9</b>	<b>SERVICES RELOCATION/ALTERATION</b>				
9.1	Telstra	1	Item	15,000	15,000
9.2	Electrical	1	Item	0	0
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
9.3	Water	1	Item	0	0
9.4	Other				
<b>10</b>	<b>PROFESSIONAL FEES</b>				
10.1	Survey & Design	1	Item	10%	116,460
10.2	Geotech Investigation & Pavement Design	1	Item	10,000	10,000
<b>11</b>	<b>COUNCIL SUPERVISION FEE</b>				
11.1	3.25% of cost of works	1	Item	3.25%	37,849
<b>12</b>	<b>VICROADS</b>				
12.1	Vicroads 10 year Maintenance Bond	1	Item	allow	100,000
12.2	VicRoads Approval Fees	1	Item	allow	20,000
<b>13</b>	<b>CONTINGENCY (Items 1-9)</b>				
		1	Item	20%	232,919
<b>TOTAL:</b>					<b>\$ 1,681,823</b>

<b>DI_RO_3 INTERIM INTERSECTION - SURF COAST HWY AND BOUNDARY ROAD</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	100,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip, stockpile and respread.	9,500	m <sup>2</sup>	4	38,000
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Spoil (SOLID)	6,400	m <sup>3</sup>	23	147,200
<b>3</b>	<b>ROAD PAVEMENT</b>				
	<b>For Surf Coast Hwy</b>				
3.1	Wearing course comprising 40mm Size 14mm Type V (PSV56+) Asphalt	3,240	m <sup>2</sup>	19	61,560
3.2	Intermediate Course 1 - comprising 160mm, Size 20 Type SI Asphalt (in 2 layers)	3,240	m <sup>2</sup>	54	174,960
3.3	Intermediate Course 2 - comprising 85mm, Size 20 Type SI Asphalt	4,010	m <sup>2</sup>	28	112,280
3.4	Lower base comprising 180mm, size 20 Class 3% CTCR (E=500MPa)	4,010	m <sup>2</sup>	22	88,220
3.5	Lower subbase comprising 345mm, 20mm Class 4 CR	4,010	m <sup>2</sup>	35	140,350
3.6	Pavement profiling and 40mm re-sheeting	4,500	m <sup>2</sup>	20	90,000
	<b>For Boudary Rd</b>				
3.7	Wearing course comprising 30mm Size 14mm Type N Asphalt	3,210	m <sup>2</sup>	12	38,520
3.8	Base comprising 160mm, size 20 Class 3% CTCR (E=500MPa)	3,210	m <sup>2</sup>	20	64,200
3.9	Sub base comprising 340mm, size 20 Class 3 CR (in 2 layers)	3,690	m <sup>2</sup>	23	84,870
<b>4</b>	<b>CONCRETE WORKS</b>				
4.1	Kerb & channel	2,235	m	56	125,160
4.2	Footpath (125mm thick)	600	m <sup>2</sup>	55	33,000
4.3	Concrete splitter islands	252	m <sup>2</sup>	50	12,600
<b>5</b>	<b>DRAINAGE</b>				
5.1	Subsoil drains (incl. in-pavement ag's)	2,600	Lm	40	104,000
5.2	Drainage pits	8	No	2,000	16,000
5.3	Drainage pipe 300mm dia CR backfill	200	Lm	200	40,000
<b>6</b>	<b>MISCELLANEOUS</b>				
6.1	Line marking	1	Item	allow	30,000
6.2	Signage (including street signs)	1	Item	allow	10,000
6.3	Tactile pavers	1	Item	allow	5,000
6.4	Granitic sand infill to islands	990	m <sup>2</sup>	25	24,750
<b>7</b>	<b>TRAFFIC SIGNALS</b>				
7.1	Joint use mast arm (incl. foundation)	2	No	20,000	40,000
7.2	Standard signal pedestal (incl. foundation)	6	No	7,000	42,000
7.3	Lantern (LED)	16	No	3,500	56,000
7.4	Push button audio tactile detectors	10	No	2,500	25,000
7.5	Detector loops	14	No	1,500	21,000
7.6	Detector pits	5	No	1,500	7,500
7.7	Conduit pits	5	No	2,000	10,000
7.8	Signal controller	1	No	40,000	40,000
7.9	Traffic signal conduit (incl. trenching)	150	Lm	200	30,000
7.10	Signal cable 29/33 core	150	Lm	40	6,000
<b>8</b>	<b>INTERSECTION LIGHTING</b>				
8.1	Pole	20	No	3,500	70,000
8.2	High pressure sodium lantern	24	No	600	14,400
8.3	Lighting conduit (incl. trenching)	600	Lm	250	150,000
8.4	Electrical pit	16	No	2,000	32,000
8.5	Electrical cable	700	Lm	30	21,000
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>9</b>	<b>SERVICES RELOCATION/ALTERATION</b>				
9.1	Telstra	1	Item	50,000	50,000
9.2	Electrical	1	Item	0	0
9.3	Water	1	Item	15,000	15,000
9.4	Other				
<b>10</b>	<b>PROFESSIONAL FEES</b>				
10.1	Survey & Design	1	Item	10%	208,557
10.2	Geotech Investigation & Pavement Design	1	Item	10,000	10,000
<b>11</b>	<b>COUNCIL SUPERVISION FEE</b>				
11.1	3.25% of cost of works	1	Item	3.25%	71,844
<b>12</b>	<b>VICROADS</b>				
12.1	Vicroads 10 year Maintenance Bond	1	Item	allow	100,000
12.2	VicRoads Approval Fees	1	Item	allow	50,000
<b>13</b>	<b>CONTINGENCY (Items 1-9)</b>				
		1	Item	20%	442,114
	<b>TOTAL</b>				<b>\$ 3,093,085</b>

<b>DI_RO_4 INTERIM INTERSECTION - SURF COAST HWY AND MAC NORTH ACCESS</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	100,000
1.3	Cleaning & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip, stockpile and respread.	7,000	m <sup>2</sup>	4	28,000
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Spoil (SOLID)	5,500	m <sup>3</sup>	23	126,500
<b>3</b>	<b>ROAD PAVEMENT</b>				
	<b>For Surf Coast Hwy</b>				
3.1	Wearing course comprising 40mm Size 14mm Type V (PSV56+) Asphalt	3,220	m <sup>2</sup>	19	61,180
3.2	Intermediate Course 1 - comprising 160mm, Size 20 Type SI Asphalt (in 2 layers)	3,220	m <sup>2</sup>	54	173,880
3.3	Intermediate Course 2 - comprising 85mm, Size 20 Type SI Asphalt	3,870	m <sup>2</sup>	28	108,360
3.4	Lower base comprising 180mm, size 20 Class 3% CTCR (E=500MPa)	3,870	m <sup>2</sup>	22	85,140
3.5	Lower subbase comprising 345mm, 20mm Class 4 CR	3,870	m <sup>2</sup>	35	135,450
3.6	Pavement profiling and re-sheeting	4,400	m <sup>2</sup>	20	88,000
	<b>For MAC North Access</b>				
3.7	Wearing course comprising 30mm Size 14mm Type N Asphalt	2280	m <sup>2</sup>	12	27,360
3.8	Base comprising 160mm, size 20 Class 3% CTCR (E=500MPa)	2280	m <sup>2</sup>	20	45,600
3.9	Sub base comprising 340mm, size 20 Class 3 CR (in 2 layers)	2630	m <sup>2</sup>	23	60,490
<b>4</b>	<b>CONCRETE WORKS</b>				
4.1	Kerb & channel	1,595	m	56	89,320
4.2	Footpath (125mm thick)	500	m <sup>2</sup>	55	27,500
4.3	Concrete splitter islands	215	m <sup>2</sup>	50	10,750
<b>5</b>	<b>DRAINAGE</b>				
5.1	Subsoil drains (incl. in-pavement ag's)	2265	Lm	40	90,600
5.2	Drainage pits	8	No	2,000	16,000
5.3	Drainage pipe 300mm dia CR backfill	150	Lm	200	30,000
<b>6</b>	<b>MISCELLANEOUS</b>				
6.1	Line marking	1	Item	allow	30,000
6.2	Signage (including street signs)	1	Item	allow	10,000
6.3	Tactile pavers	1	Item	allow	5,000
6.4	Granitic sand infill to islands	1,450	m <sup>2</sup>	25	36,250
<b>7</b>	<b>TRAFFIC SIGNALS</b>				
7.1	Joint use mast arm (incl. foundation)	2	No	20,000	40,000
7.2	Standard signal pedestal (incl. foundation)	6	No	7,000	42,000
7.3	Lantern (LED)	16	No	3,500	56,000
7.4	Push button audio tactile detectors	10	No	2,500	25,000
7.5	Detector loops	15	No	1,500	22,500
7.6	Detector pits	5	No	1,500	7,500
7.7	Conduit pits	5	No	2,000	10,000
7.8	Signal controller	1	No	40,000	40,000
7.9	Traffic signal conduit (incl. trenching)	150	Lm	200	30,000
7.10	Signal cable 29/33 core	150	Lm	40	6,000
<b>8</b>	<b>INTERSECTION LIGHTING</b>				
8.1	Pole	20	No	3,500	70,000
8.2	High pressure sodium lantern	24	No	600	14,400
8.3	Lighting conduit (incl. trenching)	600	Lm	250	150,000
8.4	Electrical pit	16	No	2,000	32,000
8.5	Electrical cable	700	Lm	30	21,000
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>9</b>	<b>SERVICES RELOCATION/ALTERATION</b>				
9.1	Telstra	1	Item	50,000	50,000
9.2	Electrical	1	Item	30,000	30,000
9.3	Water	1	Item	0	0
9.4	Other	1	Item	0	0
<b>10</b>	<b>PROFESSIONAL FEES</b>				
10.1	Survey & Design	1	Item	10%	207,178
10.2	Geotech Investigation & Pavement Design	1	Item	1000000%	10,000
<b>11</b>	<b>COUNCIL SUPERVISION FEE</b>				
11.1	3.25% of cost of works	1	Item	3.25%	67,333
<b>12</b>	<b>VICROADS</b>				
12.1	Vicroads 10 year Maintenance Bond	1	Item	allow	100,000
12.2	VicRoads Approval Fees	1	Item	allow	50,000
<b>13</b>	<b>CONTINGENCY (Items 1-9)</b>				
		1	Item	20%	414,356
<b>TOTAL</b>					<b>\$ 2,920,647</b>

<b>DI_RO_5 INTERIM INTERSECTION - SURF COAST HWY AND MAC MAIN STREET</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	100,000
1.3	Cleaning & Grubbing	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip, stockpile and respread	8,800	m <sup>2</sup>	4	35,200
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Spoil (SOLID)	6,500	m <sup>3</sup>	23	149,500
<b>3</b>	<b>ROAD PAVEMENT</b>				
	<b>For Surf Coast Hwy</b>				
3.1	Wearing course comprising 40mm Size 14mm Type V (PSV56+) Asphalt	3,010	m <sup>2</sup>	19	57,190
3.2	Intermediate Course 1 - comprising 160mm, Size 20 Type SI Asphalt (in 2 layers)	3,010	m <sup>2</sup>	54	162,540
3.3	Intermediate Course 2 - comprising 85mm, Size 20 Type SI Asphalt	3,870	m <sup>2</sup>	28	108,360
3.4	Lower base comprising 180mm, size 20 Class 3% CTCR (E=500MPa)	3,870	m <sup>2</sup>	22	85,140
3.5	Lower subbase comprising 345mm, 20mm Class 4 CR	3,870	m <sup>2</sup>	35	135,450
3.6	Pavement profiling and re-sheeting	4,000	m <sup>2</sup>	20	80,000
	<b>For MAC Main Street</b>				
3.7	Wearing course comprising 30mm Size 14mm Type N Asphalt	3,640	m <sup>2</sup>	12	43,680
3.8	Base comprising 160mm, size 20 Class 3% CTCR (E=500MPa)	3,640	m <sup>2</sup>	20	72,800
3.9	Sub base comprising 340mm, size 20 Class 3 CR (in 2 layers)	4,080	m <sup>2</sup>	23	93,840
<b>4</b>	<b>CONCRETE WORKS</b>				
4.1	Kerb & channel	2130	m	56	119,280
4.2	Footpath (125mm thick)	600	m <sup>2</sup>	55	33,000
4.3	Concrete splitter islands	400	m <sup>2</sup>	50	20,000
<b>5</b>	<b>DRAINAGE</b>				
5.1	Subsoil drains (incl. in-pavement ag's)	2750	Lm	40	110,000
5.2	Drainage pits	10	No	2,000	20,000
5.3	Drainage pipe 300mm dia CR backfill	180	Lm	200	36,000
<b>6</b>	<b>MISCELLANEOUS</b>				
6.1	Line marking	1	Item	allow	30,000
6.2	Signage (including street signs)	1	Item	allow	10,000
6.3	Tactile pavers	1	Item	allow	5,000
6.4	Granitic sand infill to islands	1,650	m <sup>2</sup>	25	41,250
<b>7</b>	<b>TRAFFIC SIGNALS</b>				
7.1	Joint use mast arm (incl. foundation)	2	No	20,000	40,000
7.2	Standard signal pedestal (incl. foundation)	6	No	7,000	42,000
7.3	Lantern (LED)	16	No	3,500	56,000
7.4	Push button audio tactile detectors	10	No	2,500	25,000
7.5	Detector loops	14	No	1,500	21,000
7.6	Detector pits	5	No	1,500	7,500
7.7	Conduit pits	5	No	2,000	10,000
7.8	Signal controller	1	No	40,000	40,000
7.9	Traffic signal conduit (incl. trenching)	150	Lm	200	30,000
7.10	Signal cable 29/33 core	150	Lm	40	6,000
<b>8</b>	<b>INTERSECTION LIGHTING</b>				
8.1	Pole	20	No	3,500	70,000
8.2	High pressure sodium lantern	24	No	600	14,400
8.3	Lighting conduit (incl. trenching)	600	Lm	250	150,000
8.4	Electrical pit	16	No	2,000	32,000
8.5	Electrical cable	700	Lm	30	21,000
<b>9</b>	<b>SERVICES RELOCATION/ALTERATION</b>				
9.1	Telstra	1	Item	50,000	50,000
9.2	Electrical	1	Item	30,000	30,000
9.3	Water	1	Item	0	0
9.4	Other	1	Item	0	0
<b>10</b>	<b>PROFESSIONAL FEES</b>				
10.1	Survey & Design	1	Item	10%	223,313
10.2	Geotech Investigation & Pavement Design	1	Item	10,000	10,000
<b>11</b>	<b>COUNCIL SUPERVISION FEE</b>				
11.1	3.25% of cost of works	1	Item	3.25%	72,577
<b>12</b>	<b>VICROADS</b>				
12.1	Vicroads 10 year Maintenance Bond	1	Item	allow	100,000
12.2	VicRoads Approval Fees	1	Item	allow	50,000
<b>13</b>	<b>CONTINGENCY (Items 1-9)</b>				
		1	Item	20%	446,626
<b>TOTAL</b>					<b>\$ 3,135,646</b>

<b>DI_RO_6 INTERIM INTERSECTION - SURF COAST HWY AND BURVILLES ROAD</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	100,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip, stockpile and respread.	7,000	m <sup>2</sup>	4	28,000
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Spoil (SOLID)	4,800	m <sup>3</sup>	23	110,400
<b>3</b>	<b>ROAD PAVEMENT</b>				
	<b>For Surf Coast Hwy</b>				
3.1	Wearing course comprising 40mm Size 14mm Type V (PSV56+) Asphalt	2,710	m <sup>2</sup>	19	51,490
3.2	Intermediate Course 1 - comprising 160mm, Size 20 Type SI Asphalt (in 2 layers)	2,710	m <sup>2</sup>	54	146,340
3.3	Intermediate Course 2 - comprising 85mm, Size 20 Type SI Asphalt	3,300	m <sup>2</sup>	28	92,400
3.4	Lower base comprising 180mm, size 20 Class 3% CTCR (E=500MPa)	3,300	m <sup>2</sup>	22	72,600
3.5	Lower subbase comprising 345mm, 20mm Class 4 CR	3,300	m <sup>2</sup>	35	115,500
3.6	Pavement profiling and re-sheeting	3,500	m <sup>2</sup>	20	70,000
	<b>For Burvilles Rd</b>				
3.7	Wearing course comprising 30mm Size 14mm Type N Asphalt	1,900	m <sup>2</sup>	12	22,800
3.8	Base comprising 160mm, size 20 Class 3% CTCR (E=500MPa)	1,900	m <sup>2</sup>	20	38,000
3.9	Sub base comprising 340mm, size 20 Class 3 CR (in 2 layers)	2,190	m <sup>2</sup>	23	50,370
<b>4</b>	<b>CONCRETE WORKS</b>				
4.1	Kerb & channel	1240	m	56	69,440
4.2	Footpath (125mm thick)	500	m <sup>2</sup>	55	27,500
4.3	Concrete splitter islands	325	m <sup>2</sup>	50	16,250
<b>5</b>	<b>DRAINAGE</b>				
5.1	Subsoil drains (incl. in-pavement ag's)	1760	Lm	40	70,400
5.2	Drainage pits	6	No	2,000	12,000
5.3	Drainage pipe 300mm dia CR backfill	180	Lm	200	36,000
<b>6</b>	<b>MISCELLANEOUS</b>				
6.1	Line marking	1	Item	allow	30,000
6.2	Signage (including street signs)	1	Item	allow	10,000
6.3	Tactile pavers	1	Item	allow	5,000
6.4	Granitic sand infill to islands	850	m <sup>2</sup>	25	21,250
<b>7</b>	<b>TRAFFIC SIGNALS</b>				
7.1	Joint use mast arm (incl. foundation)	2	No	20,000	40,000
7.2	Standard signal pedestal (incl. foundation)	6	No	7,000	42,000
7.3	Lantern (LED)	16	No	3,500	56,000
7.4	Push button audio tactile detectors	10	No	2,500	25,000
7.5	Detector loops	14	No	1,500	21,000
7.6	Detector pits	5	No	1,500	7,500
7.7	Conduit pits	5	No	2,000	10,000
7.8	Signal controller	1	No	40,000	40,000
7.9	Traffic signal conduit (incl. trenching)	150	Lm	200	30,000
7.10	Signal cable 29/33 core	150	Lm	40	6,000
<b>8</b>	<b>INTERSECTION LIGHTING</b>				
8.1	Pole	20	No	3,500	70,000
8.2	High pressure sodium lantern	24	No	600	14,400
8.3	Lighting conduit (incl. trenching)	600	Lm	250	150,000
8.4	Electrical pit	16	No	2,000	32,000
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
8.5	Electrical cable	700	Lm	30	21,000
<b>9</b>	<b>SERVICES RELOCATION/ALTERATION</b>				
9.1	Telstra	1	Item	50,000	50,000
9.2	Electrical	1	Item	30,000	30,000
9.3	Water	1	Item	0	0
9.4	Other	1	Item	0	0
<b>10</b>	<b>PROFESSIONAL FEES</b>				
10.1	Survey & Design	1	Item	10%	188,064
10.2	Geotech Investigation & Pavement Design	1	Item	10,000	10,000
<b>11</b>	<b>COUNCIL SUPERVISION FEE</b>				
11.1	3.25% of cost of works	1	Item	3.25%	61,121
<b>12</b>	<b>VICROADS</b>				
12.1	Vicroads 10 year Maintenance Bond	1	Item	allow	100,000
12.2	VicRoads Approval Fees	1	Item	allow	50,000
<b>13</b>	<b>CONTINGENCY (Items 1-9)</b>				
		1	Item	20%	376,128
<b>TOTAL</b>					<b>\$ 2,665,953</b>

<b>DI_RO_7 INTERIM INTERSECTION - SURF COAST HWY AND WHITES ROAD</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	100,000
1.3	Cleaning & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip, stockpile and respread.	10,000	m <sup>2</sup>	4	40,000
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Spoil (SOLID)	6,300	m <sup>3</sup>	23	144,900
<b>3</b>	<b>ROAD PAVEMENT</b>				
	<b>For Surf Coast Hwy</b>				
3.1	Wearing course comprising 40mm Size 14mm Type V (PSV56+) Asphalt	3,075	m <sup>2</sup>	19	58,425
3.2	Intermediate Course 1 - comprising 160mm, Size 20 Type SI Asphalt (in 2 layers)	3,075	m <sup>2</sup>	54	166,050
3.3	Intermediate Course 2 - comprising 85mm, Size 20 Type SI Asphalt	3,810	m <sup>2</sup>	28	106,680
3.4	Lower base comprising 180mm, size 20 Class 3% CTCR (E=500MPa)	3,810	m <sup>2</sup>	22	83,820
3.5	Lower subbase comprising 345mm, 20mm Class 4 CR	3,810	m <sup>2</sup>	35	133,350
3.6	Pavement profiling and re-sheeting	4,000	m <sup>2</sup>	20	80,000
	<b>For Whites Rd</b>				
3.7	Wearing course comprising 30mm Size 14mm Type N Asphalt	3,510	m <sup>2</sup>	12	42,120
3.8	Base comprising 160mm, size 20 Class 3% CTCR (E=500MPa)	3,510	m <sup>2</sup>	20	70,200
3.9	Sub base comprising 340mm, size 20 Class 3 CR (in 2 layers)	4,040	m <sup>2</sup>	23	92,920
<b>4</b>	<b>CONCRETE WORKS</b>				
4.1	Kerb & channel	1685	m	56	94,360
4.2	Footpath (125mm thick)	780	m <sup>2</sup>	55	42,900
4.3	Concrete splitter islands	265	m <sup>2</sup>	50	13,250
<b>5</b>	<b>DRAINAGE</b>				
5.1	Subsoil drains (incl. in-pavement ag's)	2155	Lm	40	86,200
5.2	Drainage pits	8	No	2,000	16,000
5.3	Drainage pipe 300mm dia CR backfill	180	Lm	200	36,000
<b>6</b>	<b>MISCELLANEOUS</b>				
6.1	Line marking	1	Item	allow	30,000
6.2	Signage (including street signs)	1	Item	allow	10,000
6.3	Tactile pavers	1	Item	allow	5,000
6.4	Granitic sand infill to islands	1,155	m <sup>2</sup>	25	28,875
<b>7</b>	<b>TRAFFIC SIGNALS</b>				
7.1	Joint use mast arm (incl. foundation)	2	No	20,000	40,000
7.2	Standard signal pedestal (incl. foundation)	6	No	7,000	42,000
7.3	Lantern (LED)	16	No	3,500	56,000
7.4	Push button audio tactile detectors	10	No	2,500	25,000
7.5	Detector loops	14	No	1,500	21,000
7.6	Detector pits	6	No	1,500	9,000
7.7	Conduit pits	5	No	2,000	10,000
7.8	Signal controller	1	No	40,000	40,000
7.9	Traffic signal conduit (incl. trenching)	150	Lm	200	30,000
7.10	Signal cable 29/33 core	150	Lm	40	6,000
<b>8</b>	<b>INTERSECTION LIGHTING</b>				
8.1	Pole	20	No	3,500	70,000
8.2	High pressure sodium lantern	24	No	600	14,400
8.3	Lighting conduit (incl. trenching)	600	Lm	250	150,000
8.4	Electrical pit	16	No	2,000	32,000
8.5	Electrical cable	700	Lm	30	21,000
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>9</b>	<b>SERVICES RELOCATION/ALTERATION</b>				
9.1	Telstra	1	Item	50,000	50,000
9.2	Electrical	1	Item	30,000	30,000
9.3	Water	1	Item	0	0
9.4	Other	1	Item	0	0
<b>10</b>	<b>PROFESSIONAL FEES</b>				
10.1	Survey & Design	1	Item	10%	216,745
10.2	Geotech Investigation & Pavement Design	1	Item	10,000	10,000
<b>11</b>	<b>COUNCIL SUPERVISION FEE</b>				
11.1	3.25% of cost of works	1	Item	3.25%	70,442
<b>12</b>	<b>VICROADS</b>				
12.1	Vicroads 10 year Maintenance Bond	1	Item	allow	100,000
12.2	VicRoads Approval Fees	1	Item	allow	50,000
<b>13</b>	<b>CONTINGENCY (Items 1-9)</b>				
		1	Item	20%	433,490
	<b>TOTAL</b>				<b>\$ 3,048,127</b>

<b>DI_RO_8 INTERIM INTERSECTION - SURF COAST HWY AND FEEHANS ROAD</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	100,000
1.3	Cleaning & Grubbing	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip, stockpile and respread	9,500	m <sup>2</sup>	4	38,000
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Spoil (SOLID)	5,300	m <sup>3</sup>	23	121,900
<b>3</b>	<b>ROAD PAVEMENT</b>				
	<b>For Surf Coast Hwy</b>				
3.1	Wearing course comprising 40mm Size 14mm Type V (PSV56+) Asphalt	1,610	m <sup>2</sup>	19	30,590
3.2	Intermediate Course 1 - comprising 160mm, Size 20 Type SI Asphalt (in 2 layers)	1,610	m <sup>2</sup>	54	86,940
3.3	Intermediate Course 2 - comprising 85mm, Size 20 Type SI Asphalt	2,160	m <sup>2</sup>	28	60,480
3.4	Lower base comprising 180mm, size 20 Class 3% CTCR (E=500MPa)	2,160	m <sup>2</sup>	22	47,520
3.5	Lower subbase comprising 345mm, 20mm Class 4 CR	2,160	m <sup>2</sup>	35	75,600
3.6	Pavement profiling and re-sheeting	3,500	m <sup>2</sup>	20	70,000
	<b>For Freehans Rd</b>				
3.7	Wearing course comprising 30mm Size 14mm Type N Asphalt	3,690	m <sup>2</sup>	12	44,280
3.8	Base comprising 160mm, size 20 Class 3% CTCR (E=500MPa)	3,690	m <sup>2</sup>	20	73,800
3.9	Sub base comprising 340mm, size 20 Class 3 CR (in 2 layers)	4,240	m <sup>2</sup>	23	97,520
<b>4</b>	<b>CONCRETE WORKS</b>				
4.1	Kerb & channel	1,750	m	56	98,000
4.2	Footpath (125mm thick)	900	m <sup>2</sup>	55	49,500
4.3	Concrete splitter islands	265	m <sup>2</sup>	50	13,250
<b>5</b>	<b>DRAINAGE</b>				
5.1	Subsoil drains (incl. in-pavement ag's)	2,100	Lm	40	84,000
5.2	Drainage pits	8	No	2,000	16,000
5.3	Drainage pipe 300mm dia CR backfill	180	Lm	200	36,000
<b>6</b>	<b>MISCELLANEOUS</b>				
6.1	Line marking	1	Item	allow	30,000
6.2	Signage (including street signs)	1	Item	allow	10,000
6.3	Tactile pavers	1	Item	allow	5,000
6.4	Granitic sand infill to islands	1,450	m <sup>2</sup>	25	36,250
<b>7</b>	<b>TRAFFIC SIGNALS</b>				
7.1	Joint use mast arm (incl. foundation)	2	No	20,000	40,000
7.2	Standard signal pedestal (incl. foundation)	6	No	7,000	42,000
7.3	Lantern (LED)	16	No	3,500	56,000
7.4	Push button audio tactile detectors	10	No	2,500	25,000
7.5	Detector loops	14	No	1,500	21,000
7.6	Detector pits	6	No	1,500	9,000
7.7	Conduit pits	5	No	2,000	10,000
7.8	Signal controller	1	No	40,000	40,000
7.9	Traffic signal conduit (incl. trenching)	150	Lm	200	30,000
7.10	Signal cable 29/33 core	150	Lm	40	6,000
<b>8</b>	<b>INTERSECTION LIGHTING</b>				
8.1	Pole	20	No	3,500	70,000
8.2	High pressure sodium lantern	24	No	600	14,400
8.3	Lighting conduit (incl. trenching)	600	Lm	250	150,000
8.4	Electrical pit	16	No	2,000	32,000
8.5	Electrical cable	700	Lm	30	21,000
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>9</b>	<b>SERVICES RELOCATION/ALTERATION</b>				
9.1	Telstra	1	Item	50,000	50,000
9.2	Electrical	1	Item	30,000	30,000
9.3	Water	1	Item	0	0
9.4	Other	1	Item	0	0
<b>10</b>	<b>PROFESSIONAL FEES</b>				
10.1	Survey & Design	1	Item	10%	191,103
10.2	Geotech Investigation & Pavement Design	1	Item	10,000	10,000
<b>11</b>	<b>COUNCIL SUPERVISION FEE</b>				
11.1	3.25% of cost of works	1	Item	3.25%	62,108
<b>12</b>	<b>VICROADS</b>				
12.1	Vicroads 10 year Maintenance Bond	1	Item	allow	100,000
12.2	VicRoads Approval Fees	1	Item	allow	50,000
<b>13</b>	<b>CONTINGENCY (Items 1-9)</b>	1	Item	15%	286,655
<b>TOTAL</b>					<b>\$ 2,610,896</b>

**BROWN**

Smart Consulting

Job No. M100611/R

Date: Oct 2011

**DI\_RO\_9 INTERSECTION - NAC (retail/school precinct)****Schedule of Rates and Prices**

Item	Description	Quantity	Unit	Rate	Amount (\$)
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	20,000
1.3	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>MISCELLANEOUS</b>				
2.1	Line marking	1	Item	allow	10,000
2.2	Tactile pavers	1	Item	allow	5,000
<b>3</b>	<b>TRAFFIC SIGNALS</b>				
3.1	Joint use mast arm (incl. foundation)	2	No	20,000	40,000
3.2	Standard signal pedestal (incl. foundation)	6	No	7,000	42,000
3.3	Lantern (LED)	16	No	3,500	56,000
3.4	Push button audio tactile detectors	4	No	2,500	10,000
3.5	Detector loops	6	No	1,500	9,000
3.6	Detector pits	5	No	1,500	7,500
3.7	Conduit pits	5	No	2,000	10,000
3.8	Signal controller	1	No	30,000	30,000
3.9	Traffic signal conduit (incl. trenching)	80	Lm	200	16,000
3.10	Signal cable 29/33 core	80	Lm	40	3,200
<b>4</b>	<b>PROFESSIONAL FEES</b>				
4.1	Survey & Design	1	Item	10%	28,370
<b>5</b>	<b>COUNCIL SUPERVISION FEE</b>				
5.1	3.25% of cost of works	1	Item	3.25%	9,220
<b>6</b>	<b>CONTINGENCY (Items 1-4)</b>				
		1	Item	20%	56,740
	<b>TOTAL</b>				<b>\$ 378,030</b>

**DI\_RO\_10 CREEK ROAD CROSSING - STRUCTURE - NORTH SOUTH CONNECTOR**

**Schedule of Rates and Prices**

Item	Description	Quantity	Unit	Rate	Amount (\$)
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	10,000
1.3	Clearing & Grubbing.	1	Item	allow	1,500
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	10,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip and stockpile	115	m <sup>2</sup>	4	460
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Spoil (SOLID)	30	m <sup>3</sup>	25	750
2.3	Shaping of waterway to match upstream creek profile	1	Item	allow	2,500
2.4	Shaping of waterway downstream to achieve free draining outlet.	1	Item	allow	2,500
<b>3</b>	<b>CAUSEWAY</b>				
3.1	150mm compacted depth Class 3, 2% CTCR or blinding concrete.	200	m <sup>2</sup>	30	6,000
3.2	300mm thick base slab including reinforcement.	170	m <sup>2</sup>	350	59,500
3.3	300mm thick apron slab including reinforcement.	40	m <sup>2</sup>	350	14,000
3.4	3000(w) x 1500(h) x 2440(l) box culverts	20	No	5,200	104,000
3.5	3300 (w) x 2440(l) link slabs	0	No	3,500	0
3.6	Concrete wingwalls (including footings)	1	Item	allow	20,000
3.7	Geotextile (DUX 155)	165	m <sup>2</sup>	5	825
3.8	Crushed rock backfill Class 4 around crown units (600 cover)	1	Item	allow	8,000
<b>4</b>	<b>DRAINAGE</b>				
4.1	Subsoil drains	1	Item	allow	1,500
4.2	Construction of interim bypass channel to protect the construction of the multi cell culverts and floodway works from base/surge flows and reinstatement at completion.	1	Item	allow	5,000
<b>5</b>	<b>ROCK BEACHING</b>				
5.1	Channel invert treatment (D50-200mm) 400mm depth including bedding.	1	Item	allow	3,000
5.2	Rock RipRap (D50-250mm) 500mm depth including bedding.	1	Item	allow	2,500
<b>6</b>	<b>PEDESTRIAL RAILING FENCE</b>				
6.1	50mm galvanised uprights and 2No horizontal rails	1	Item	allow	4,500
<b>7</b>	<b>REINSTATEMENT WORKS</b>				
7.1	Grade and level disturbed areas	1	Item	allow	1,000
7.2	Topsoil	1	item	allow	1,000
7.3	Hydro mulch	250	m <sup>2</sup>	1.50	375
<b>8</b>	<b>NATIVE VEGETATION OFFSETS</b>				
8.1	For creek crossing	1	Item	allow	36,000
<b>9</b>	<b>PROFESSIONAL FEES</b>				
9.1	Survey & Design	1	Item	12%	33,469
9.2	Geotech Investigation	1	Item	3,500	5,000
<b>10</b>	<b>COUNCIL SUPERVISION FEE</b>				
10.1	3.25% of cost of works	1	Item	3.25%	9,065
<b>11</b>	<b>CONTINGENCY (Items 1-7)</b>				
		1	Item	15%	41,837
	<b>TOTAL</b>				<b>\$ 404,280</b>

**DI\_RO\_11 CREEK ROAD CROSSING - STRUCTURE - EAST WEST CONNECTOR (Main St Extension)**

**Schedule of Rates and Prices**

Item	Description	Quantity	Unit	Rate	Amount (\$)
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	15,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip and stockpile.	400	m <sup>2</sup>	4	1,600
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Spoil (SOLID)	150	m <sup>3</sup>	25	3,750
2.3	Shaping of waterway to match upstream creek profile	1	Item	allow	3,500
2.4	Shaping of waterway downstream to achieve free draining outlet.	1	Item	allow	3,500
<b>3</b>	<b>CAUSEWAY</b>				
3.1	150mm compacted depth Class 3, 2% CTCR or blinding concrete.	395	m <sup>2</sup>	18	7,110
3.2	300mm thick base slab including reinforcement.	325	m <sup>2</sup>	350	113,750
3.3	300mm thick apron slab including reinforcement.	70	m <sup>2</sup>	350	24,500
3.4	3000(w) x 1500(h) x 2440(l) box culverts	30	No	5,200	156,000
3.5	3300 (w) x 2440(l) link slabs	10	No	3,500	35,000
3.6	Concrete wingwalls (including footings)	1	Item	allow	30,000
3.7	Geotextile (DUX 155)	325	m <sup>2</sup>	5	1,625
3.8	Crushed rock backfill Class 4 around crown units (600 cover)	1	Item	allow	10,000
<b>4</b>	<b>DRAINAGE</b>				
4.1	Subsoil drains	1	Item	allow	2,500
4.2	Construction of interim bypass channel to protect the construction of the multi cell culverts and floodway works from base/surge flows and reinstatement at completion.	1	Item	allow	10,000
<b>5</b>	<b>ROCK BEACHING</b>				
5.1	Channel invert treatment (D50-200mm) 400mm depth including bedding.	1	Item	allow	5,000
5.2	Rock RipRap (D50-250mm) 500mm depth including bedding.	1	Item	allow	3,500
<b>6</b>	<b>PEDESTRIAL RAILING FENCE</b>				
6.1	50mm galvanised uprights and 2No horizontal rails	1	Item	allow	15,000
<b>7</b>	<b>REINSTATEMENT WORKS</b>				
7.1	Grade and level disturbed areas	1	Item	allow	2,500
7.2	Topsoil	1	item	allow	1,500
7.3	Hydro mulch	750	m <sup>2</sup>	1.50	1,125
<b>8</b>	<b>NATIVE VEGETATION OFFSETS</b>				
8.1	For creek crossing	1	Item	allow	19,000
<b>9</b>	<b>PROFESSIONAL FEES</b>				
9.1	Survey & Design	1	Item	12%	58,375
9.2	Geotech Investigation	1	Item	3,500	5,000
<b>10</b>	<b>COUNCIL SUPERVISION FEE</b>				
10.1	3.25% of cost of works	1	Item	3.25%	15,810
<b>11</b>	<b>CONTINGENCY (Items 1-7)</b>				
		1	item	15%	72,969
<b>TOTAL:</b>					<b>\$ 657,614</b>

**DI\_RO\_12 CREEK ROAD CROSSING - STRUCTURE - CONNECTOR ROAD (West of Airport Road)**

**Schedule of Rates and Prices**

Item	Description	Quantity	Unit	Rate	Amount (\$)
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	15,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip, stockpile and respread.	450	m <sup>2</sup>	4	1,800
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Spoil (SOLID)	180	m <sup>3</sup>	25	4,500
2.3	Shaping of waterway to match upstream creek profile	1	Item	allow	5,000
2.4	Shaping of waterway downstream to achieve free draining outlet.	1	Item	allow	5,000
<b>3</b>	<b>CAUSEWAY</b>				
3.1	150mm compacted depth Class 3, 2% CTR or blinding concrete.	395	m <sup>2</sup>	30	11,850
3.2	300mm thick base slab including reinforcement.	325	m <sup>2</sup>	350	113,750
3.3	300mm thick apron slab including reinforcement.	70	m <sup>2</sup>	350	24,500
3.4	3000(w) x 1500(h) x 2440(l) box culverts	30	No	5,200	156,000
3.5	3300 (w) x 2440(l) link slabs	10	No	3,500	35,000
3.6	Concrete wingwalls (including footings)	1	Item	allow	50,000
3.7	Geotextile (DUX 155)	325	m <sup>2</sup>	5	1,625
3.8	Crushed rock backfill Class 4 around crown units (600 cover)	1	Item	allow	20,000
<b>4</b>	<b>DRAINAGE</b>				
4.1	Subsoil drains	1	Item	allow	2,500
4.2	Construction of interim bypass channel to protect the construction of the multi cell culverts and floodway works from base/surge flows and reinstatement at completion.	1	Item	allow	20,000
<b>5</b>	<b>ROCK BEACHING</b>				
5.1	Channel invert treatment (D50-200mm) 400mm depth including bedding.	1	Item	allow	10,000
5.2	Rock RipRap (D50-250mm) 500mm depth including bedding.	1	Item	allow	10,000
<b>6</b>	<b>PEDESTRIAL RAILING FENCE</b>				
6.1	50mm galvanised uprights and 2No horizontal rails	1	Item	allow	15,000
<b>7</b>	<b>REINSTATEMENT WORKS</b>				
7.1	Grade and level disturbed areas	1	Item	allow	2,500
7.2	Topsoil	1	item	allow	1,500
7.3	Hydro mulch	850	m <sup>2</sup>	1.50	1,275
<b>8</b>	<b>NATIVE VEGETATION OFFSETS</b>				
8.1	For creek crossing	1	Item	allow	56,000
<b>9</b>	<b>PROFESSIONAL FEES</b>				
9.1	Survey & Design	1	Item	12%	65,616
9.2	Geotech Investigation	1	Item	3,500	5,000
<b>10</b>	<b>COUNCIL SUPERVISION FEE</b>				
10.1	3.25% of cost of works	1	Item	3.25%	17,771
<b>11</b>	<b>CONTINGENCY (Items 1-7)</b>				
		1	Item	15%	82,020
<b>TOTAL:</b>					<b>\$ 773,207</b>

**DI\_RO\_13 CREEK ROAD CROSSING - STRUCTURE - NORTH SOUTH CONNECTOR TO STATION PRECINCT**

**Schedule of Rates and Prices**

Item	Description	Quantity	Unit	Rate	Amount (\$)
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	15,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip, stockpile and respread.	450	m <sup>2</sup>	4	1,800
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Spoil (SOLID)	180	m <sup>3</sup>	25	4,500
2.3	Shaping of waterway to match upstream creek profile	1	Item	allow	5,000
2.4	Shaping of waterway downstream to achieve free draining outlet.	1	Item	allow	5,000
<b>3</b>	<b>CAUSEWAY</b>				
3.1	150mm compacted depth Class 3, 2% CTR or blinding concrete.	395	m <sup>2</sup>	30	11,850
3.2	300mm thick base slab including reinforcement.	325	m <sup>2</sup>	350	113,750
3.3	300mm thick apron slab including reinforcement.	70	m <sup>2</sup>	350	24,500
3.4	3000(w) x 1500(h) x 2440(l) box culverts	30	No	5,200	156,000
3.5	3300 (w) x 2440(l) link slabs	10	No	3,500	35,000
3.6	Concrete wingwalls (including footings)	1	Item	allow	30,000
3.7	Geotextile (DUX 155)	325	m <sup>2</sup>	5	1,625
3.8	Crushed rock backfill Class 4 around crown units (600 cover)	1	Item	allow	11,500
<b>4</b>	<b>DRAINAGE</b>				
4.1	Subsoil drains	1	Item	allow	2,500
4.2	Construction of interim bypass channel to protect the construction of the multi cell culverts and floodway works from base/surge flows and reinstatement at completion.	1	Item	allow	20,000
<b>5</b>	<b>ROCK BEACHING</b>				
5.1	Channel invert treatment (D50-200mm) 400mm depth including bedding.	1	Item	allow	10,000
5.2	Rock RipRap (D50-250mm) 500mm depth including bedding.	1	Item	allow	10,000
<b>6</b>	<b>PEDESTRIAL RAILING FENCE</b>				
6.1	50mm galvanised uprights and 2No horizontal rails	1	Item	allow	15,000
<b>7</b>	<b>REINSTATEMENT WORKS</b>				
7.1	Grade and level disturbed areas	1	Item	allow	2,500
7.2	Topsoil	1	item	allow	1,500
7.3	Hydro mulch	850	m <sup>2</sup>	1.50	1,275
<b>8</b>	<b>NATIVE VEGETATION OFFSETS</b>				
8.1	For creek crossing	1	Item	allow	0
<b>9</b>	<b>PROFESSIONAL FEES</b>				
9.1	Survey & Design	1	Item	12%	62,196
9.2	Geotech Investigation	1	Item	5,000	5,000
<b>10</b>	<b>COUNCIL SUPERVISION FEE</b>				
10.1	3.25% of cost of works	1	Item	3.25%	16,845
<b>11</b>	<b>CONTINGENCY (Items 1-7)</b>				
		1	Item	15%	77,745
<b>TOTAL:</b>					<b>\$ 680,086</b>

**BROWN**

Smart Consulting

Job No. M100611/R

Date: Oct 2011

**DI\_TR\_1 PEDESTRIAN OVERPASS - CONNECTOR TO NORTH SOUTH CONNECTOR TO STATION PRECINCT****Schedule of Rates and Prices**

Item	Description	Quantity	Unit	Rate	Amount (\$)
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Environmental management	1	Item	15,000	15,000
1.2	Safe working	20	Weeks	2,500	50,000
1.3	Occupation	1	Item	10,000	10,000
<b>2</b>	<b>BRIDGE</b>				
	<i>Abutment 1 &amp; 2</i>				
2.1	Excavation	20	M3	60	1,200
2.2	Piling 4 No x 8M	64	M	350	22,400
2.3	Concrete to pile cap	12	M3	1,000	12,000
2.4	Concrete to pier/crosshead	24	M3	2,500	60,000
2.5	Supply supertee beam 23M length x 0.75M depth -23T wt	2	No	20,000	40,000
2.6	Install supertee	2	No	12,000	24,000
2.7	Concrete overlay to deck	12	M2	250	3,000
2.8	Handrail	46	M	1,000	46,000
2.9	Canopy to track	2	No	5,000	10,000
<b>3</b>	<b>SAFETY BARRIER</b>				
	<i>Safety barrier to tracks 1 &amp; 2</i>				
3.1	Excavation	100	M3	60	6,000
3.2	Piling	36	No	2,500	90,000
3.3	Concrete to barrier	160	M3	1,500	240,000
<b>4</b>	<b>RAMPS</b>				
	<i>Side 1 &amp; 2 - 6No ramps x 22M each side</i>				
4.1	Fill to 1.6M	100	m3	100	10,000
4.2	RE walls	120	M2	800	96,000
4.3	Concrete to slab	120	M2	250	30,000
	<i>Landings - 11 No, 4 columns each side</i>				
4.4	Piles	16	No	2,500	40,000
4.5	Footings	16	No	3,000	48,000
4.6	Columns 1.2m x 0.6m ave 6m ht	36	M3	2,500	90,000
4.7	Landing slabs 2.5m x 1.2/2.5 -11No	24	m3	3,000	72,000
4.8	Cantilever beams	16	m3	5,000	80,000
	<i>Slabs to ramps 9M x 2.5M - 10 No. each side</i>				
4.9	Supply & install precast form slabs 10No x 9M x 2.5M	450	M2	250	112,500
4.10	Concrete overlay to ramps	450	M2	200	90,000
4.11	Handrail	600	M	500	300,000
<b>5</b>	<b>FOOTPATHS</b>				
5.1	Footpath (125mm thick) connection to existing network	125	m <sup>2</sup>	55	6,875
<b>6</b>	<b>TOTAL DIRECT COSTS</b>				
6.1	Contractor's Supervision & site overheads	20%			320,995
6.2	Contractor's HO Overhead & profit	10%			160,498
6.3	Engineering, incl geotech & proof engineering	5%			80,249
6.4	Project management	3%			47,699
6.5	Contingency	15%			230,996
<b>7</b>	<b>FEES</b>				
7.1	Council - Design review and Supervision fee at 3.25% of Cost of Works	1	Item	3.25%	52,162
	Victrack - Design review fee at 1% of Cost of Works	1	Item	1.00%	16,050
	<b>TOTAL:</b>				<b>\$ 2,513,623</b>

<b>DI_DR_7 DRAINAGE WORKS - WLRB1 Wetland/Retarding Basin</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	10,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	7,500
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil striping and stockpiling (200mm).	17,000	m <sup>2</sup>	4	68,000
2.2	Excavation including sorting select material, trimming of wetland and filling to nominated areas.				
2.2.1	Cut to fill (SOLID)	100	m <sup>3</sup>	17	1,700
2.2.2	Cut to Spoil (SOLID)	37,300	m <sup>3</sup>	25	932,500
2.3	Loading, transporting and respreading 200mm depth topsoil to wetland base (extending upto NTWL) using the best available material from stripping to achieve design levels and gradings.	9,250	m <sup>2</sup>	4	37,000
<b>3</b>	<b>CLAY LINER</b>				
3.1	Excavate wetland base 500mm min depth below finished surface (extending upto NTWL), graded and compacted to give a uniform profile. Surplus spoil to be removed off site.	4,625	m <sup>3</sup>	25	115,625
3.2	Preparation and compaction of wetland base.	9,250	m <sup>2</sup>	3	27,750
3.3	Supply all materials and construct 500mm min depth clay liner.	9,250	m <sup>2</sup>	10	92,500
3.4	Testing of clay liner.	1	Item	allow	13,000
<b>4</b>	<b>DRAINAGE</b>				
4.1	Supply all material and construct 750mm dia RCP Class 2 RRJ (pipe inlet to sediment pond).	20	m	350	7,000
4.2	Supply all material and construct 750mm dia RCP Class 2 RRJ (pipe outlet to SB-2).	1,300	m	350	455,000
4.3	Supply all material and construct 1050 x 900 junction pit.	16	No	3,000	48,000
4.4	Supply all material and construct 2100 x 1200 baffle pit.	1	No	15,000	15,000
4.5	Supply all materials and construct support cradles, including rock beaching, to suit 750mm dia RCP.	1	No	allow	4,000
<b>5</b>	<b>INCIDENTAL WORKS</b>				
5.1	Supply all material and construct porous rock filters comprising 350-400 mm uniform size rocks with no fines.	1	Item	allow	10,000
5.2	Supply all material and construct 225mm dia balance pipes.	1	Item	allow	6,000
5.3	Supply all materials and construct maintenance track comprising 300mm compacted depth of Class 3 Size 20 FCR.	800	m <sup>2</sup>	28	22,400
5.4	Supply and spread hydroseeded grass to all exposed surfaces (excluding wetland planting zones).	5,000	m <sup>2</sup>	1.25	6,250
5.5	Supply all material and construct sediment pond concrete base comprising 150mm depth 25MPa F62 reinforced concrete.	350	m <sup>2</sup>	80	28,000
5.6	Maintenance - Clean sediment from sedimentation pond prior to handover.	1	Item	allow	5,000
<b>6</b>	<b>NATIVE VEGETATION OFFSETS</b>				
6.1	For Wetlands	1	Item	allow	0
<b>7</b>	<b>CHMP</b>				
7.1	For wetlands area	1	Item	allow	50,000
<b>8</b>	<b>PROFESSIONAL FEES</b>				
8.1	Survey & Design	1	Item	12%	233,067
8.2	Hydraulics Engineer	1	Item	allow	10,000
8.3	Geotech Investigation	1	Item	allow	10,000
<b>9</b>	<b>COUNCIL SUPERVISION FEE</b>				
9.1	3.25% of cost of works	1	Item	3.25%	72,972
<b>10</b>	<b>CONTINGENCY (Items 1-5)</b>				
		1	Item	20%	449,058
	<b>TOTAL</b>				<b>\$ 2,767,322</b>

<b>DI_DR_8 DRAINAGE WORKS - WLRB2 Wetland/Retarding Basin</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	10,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	7,500
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil striping and stockpiling (200mm).	11,000	m <sup>2</sup>	4	44,000
2.2	Excavation including sorting select material, trimming of wetland and filling to nominated areas.				
2.2.1	Cut to fill (SOLID)	800	m <sup>3</sup>	17	13,600
2.2.2	Cut to Spoil (SOLID)	13,400	m <sup>3</sup>	25	335,000
2.3	Loading, transporting and respreading 200mm depth topsoil to wetland base (extending upto NTWL) using the best available material from stripping to achieve design levels and gradings.	4,100	m <sup>2</sup>	4	16,400
<b>3</b>	<b>CLAY LINER</b>				
3.1	Excavate wetland base 500mm min depth below finished surface (extending upto NTWL), graded and compacted to give a uniform profile. Surplus spoil to be removed off site.	2,050	m <sup>3</sup>	25	51,250
3.2	Preparation and compaction of wetland base.	4,100	m <sup>2</sup>	3	12,300
3.3	Supply all materials and construct 500mm min depth clay liner.	4,100	m <sup>2</sup>	10	41,000
3.4	Testing of clay liner.	1	Item	allow	10,000
<b>4</b>	<b>DRAINAGE</b>				
4.1	Supply all material and construct 750mm dia RCP Class 2 RRJ (pipe inlet to WLRB2).	40	m	350	14,000
4.2	Supply all material and construct 450mm dia RCP Class 2 RRJ (pipe inlet to WLRB2).	60	m	200	12,000
4.3	Supply all material and construct 750mm dia RCP Class 2 RRJ (pipe outlet to WLRB3).	180	m	350	63,000
4.4	Supply all material and construct 600 x 900 junction pit.	2	No	2,000	4,000
4.5	Supply all material and construct 1050 x 900 junction pit.	6	No	3,000	18,000
4.6	Supply all material and construct 1200 x 900 junction pit.	1	No	3,500	3,500
4.7	Supply all material and construct 2100 x 1200 baffle pit.	1	No	15,000	15,000
4.8	Supply all materials and construct support cradles, including rock beaching, to suit 450/750mm dia RCP.	2	No	5,000	10,000
<b>5</b>	<b>INCIDENTAL WORKS</b>				
5.1	Supply all material and construct porous rock filters comprising 350-400 mm uniform size rocks with no fines.	1	Item	allow	10,000
5.2	Supply all material and construct 225mm dia balance pipes.	1	Item	allow	3,500
5.3	Supply all materials and construct maintenance track comprising 300mm compacted depth of Class 3 Size 20 FCR.	350	m <sup>2</sup>	28	9,800
5.4	Supply and spread hydroseeded grass to all exposed surfaces (excluding wetland planting zones).	2,000	m <sup>2</sup>	1.25	2,500
5.5	Supply all material and construct sediment pond concrete base comprising 150mm depth 25MPa F62 reinforced concrete.	350	m <sup>2</sup>	80	28,000
5.6	Maintenance - Clean sediment from sedimentation pond prior to handover.	1	Item	allow	5,000
<b>6</b>	<b>NATIVE VEGETATION OFFSETS</b>				
6.1	For wetlands	1	Item	allow	35,000
<b>7</b>	<b>CHMP</b>				
7.1	For wetlands area	1	Item	allow	40,000
<b>8</b>	<b>PROFESSIONAL FEES</b>				
8.1	Survey & Design	1	Item	12%	92,322
8.2	Hydraulics Engineer	1	Item	allow	10,000
8.3	Geotech Investigation	1	Item	allow	10,000
<b>9</b>	<b>COUNCIL SUPERVISION FEE</b>				
9.1	3.25% of cost of works	1	Item	3.25%	25,004
<b>10</b>	<b>CONTINGENCY (Items 1-5)</b>				
		1	Item	20%	153,870
	<b>TOTAL</b>				<b>\$ 1,135,546</b>

<b>DI_DR_9 DRAINAGE WORKS - WLRB3 Wetland/Retarding Basin</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	10,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	7,500
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil striping and stockpiling (200mm).	18,000	m <sup>2</sup>	4	72,000
2.2	Excavation including sorting select material, trimming of wetland and filling to nominated areas.				
2.2.1	Cut to fill (SOLID)	1300	m <sup>3</sup>	17	22,100
2.2.2	Cut to Spoil (SOLID)	17,300	m <sup>3</sup>	25	432,500
2.3	Loading, transporting and respreading 200mm depth topsoil to wetland base (extending upto NTWL) using the best available material from stripping to achieve design levels and gradings.	7,600	m <sup>2</sup>	4	30,400
<b>3</b>	<b>CLAY LINER</b>				
3.1	Excavate wetland base 500mm min depth below finished surface (extending upto NTWL), graded and compacted to give a uniform profile. Surplus spoil to be removed off site.	3,800	m <sup>3</sup>	25	95,000
3.2	Preparation and compaction of wetland base.	7,600	m <sup>2</sup>	3	22,800
3.3	Supply all materials and construct 500mm min depth clay liner.	7,600	m <sup>2</sup>	10	76,000
3.4	Testing of clay liner.	1	Item	allow	10,000
<b>4</b>	<b>DRAINAGE</b>				
4.1	Supply all material and construct 750mm dia RCP Class 2 RRJ (pipe inlet to sediment pond).	60	m	350	21,000
4.2	Supply all material and construct 1500mm dia RCP Class 2 RRJ (pipe inlet to sediment pond).	60	m	800	48,000
4.3	Supply all material and construct 900mm dia RCP Class 2 RRJ (pipe outlet to WLRB4).	500	m	500	250,000
4.4	Supply all material and construct 1200 x 900 junction pit.	6	No	3,500	21,000
4.5	Supply all material and construct 2100 x 1200 junction pit.	2	No	7,000	14,000
4.6	Supply all material and construct 2100 x 1200 baffle pit.	1	No	15,000	15,000
4.7	Supply all materials and construct support cradles, including rock beaching, to suit 750/1500mm dia RCP.	2	No	5,000	10,000
<b>5</b>	<b>INCIDENTAL WORKS</b>				
5.1	Supply all material and construct porous rock filters comprising 350-400 mm uniform size rocks with no fines.	1	Item	allow	10,000
5.2	Supply all material and construct 225mm dia balance pipes.	1	Item	allow	5,000
5.3	Supply all materials and construct maintenance track comprising 300mm compacted depth of Class 3 Size 20 FCR.	650	m <sup>2</sup>	28	18,200
5.4	Supply and spread hydroseeded grass to all exposed surfaces (excluding wetland planting zones).	4,000	m <sup>2</sup>	1.25	5,000
5.5	Supply all material and construct sediment pond concrete base comprising 150mm depth 25MPa F62 reinforced concrete.	350	m <sup>2</sup>	80	28,000
5.6	Maintenance - Clean sediment from sedimentation pond.	1	Item	allow	5,000
<b>6</b>	<b>NATIVE VEGETATION OFFSETS</b>				
6.1	For wetlands	1	Item	allow	19,000
<b>7</b>	<b>CHMP</b>				
7.1	For wetlands area	1	Item	allow	50,000
<b>8</b>	<b>PROFESSIONAL FEES</b>				
8.1	Survey & Design	1	Item	12%	151,020
8.2	Hydraulics Engineer	1	Item	allow	10,000
8.3	Geotech Investigation	1	Item	allow	5,000
<b>9</b>	<b>COUNCIL SUPERVISION FEE</b>				
9.1	3.25% of cost of works	1	Item	3.25%	40,901
<b>10</b>	<b>CONTINGENCY (Items 1-5)</b>				
		1	Item	20%	251,700
	<b>TOTAL</b>				<b>\$ 1,786,121</b>

**BROWN**

Smart Consulting

Job No. M100611/1  
Date: Oct 2011

DI_DR-10 DRAINAGE WORKS - WLRB4 Wetland/Retarding Basin					
Schedule of Rates and Prices					
Item	Description	Quantity	Unit	Rate	Amount (\$)
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	10,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	7,500
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil striping and stockpiling (200mm).	28,000	m <sup>2</sup>	4	112,000
2.2	Excavation including sorting select material, trimming of wetland and filling to nominated areas.				
2.2.1	Cut to fill (SOLID)	100	m <sup>3</sup>	17	1,700
2.2.2	Cut to Spoil (SOLID)	50,400	m <sup>3</sup>	25	1,260,000
2.3	Loading, transporting and respreading 200mm depth topsoil to wetland base (extending upto NTWL) using the best available material from stripping to achieve design levels and gradings.	13,980	m <sup>2</sup>	4	55,920
<b>3</b>	<b>CLAY LINER</b>				
3.1	Excavate wetland base 500mm min depth below finished surface (extending upto NTWL), graded and compacted to give a uniform profile. Surplus spoil to be removed off site.	6,990	m <sup>3</sup>	25	174,750
3.2	Preparation and compaction of wetland base.	13,980	m <sup>2</sup>	3	41,940
3.3	Supply all materials and construct 500mm min depth clay liner.	13,980	m <sup>2</sup>	10	139,800
3.4	Testing of clay liner.	1	Item	allow	20,000
<b>4</b>	<b>DRAINAGE</b>				
4.1	Supply all material and construct 1200mm dia RCP Class 2 RRJ (pipe inlets to sediment pond).	30	m	800	24,000
4.2	Supply all material and construct 900mm dia RCP Class 2 RRJ (pipe connection to 1200mm dia RCP inlet pipe).	200	m	500	100,000
4.3	Supply all material and construct 900mm dia RCP Class 2 RRJ (pipe outlet from WLRB4 to WLRB5).	60	m	500	30,000
4.4	Supply all material and construct 1500 x 1200 junction pit.	5	No	5,500	27,500
4.5	Supply all material and construct 1200 x 900 junction pit.	1	No	4,500	4,500
4.6	Supply all material and construct 2100 x 1200 baffle pit.	1	No	15,000	15,000
4.7	Supply all materials and construct support cradles, including rock beaching, to suit 1200mm dia RCP.	1	No	5,000	5,000
<b>5</b>	<b>INCIDENTAL WORKS</b>				
5.1	Supply all material and construct porous rock filters comprising 350-400 mm uniform size rocks with no fines.	1	Item	allow	10,000
5.2	Supply all material and construct 225mm dia balance pipes.	1	Item	allow	9,000
5.3	Supply all materials and construct maintenance track comprising 300mm compacted depth of Class 3 Size 20 FCR.	1,200	m <sup>2</sup>	28	33,600
5.4	Supply and spread hydroseeded grass to all exposed surfaces (excluding wetland planting zones).	7,000	m <sup>2</sup>	1.25	8,750
5.5	Supply all material and construct sediment pond concrete base comprising 150mm depth 25MPa F62 reinforced concrete.	250	m <sup>2</sup>	80	20,000
5.6	Maintenance - Clean sediment from sedimentation pond.	1	Item	allow	5,000
<b>6</b>	<b>NATIVE VEGETATION OFFSETS</b>				
6.1	For wetlands	1	Item	allow	4,000
<b>7</b>	<b>CHMP</b>				
7.1	For wetlands area	1	Item	allow	52,000
<b>8</b>	<b>PROFESSIONAL FEES</b>				
8.1	Survey & Design	1	Item	12%	257,515
8.2	Hydraulics Engineer	1	Item	allow	10,000
8.3	Geotech Investigation	1	Item	allow	10,000
<b>9</b>	<b>COUNCIL SUPERVISION FEE</b>				
9.1	3.25% of cost of works	1	Item	3.25%	69,744
<b>10</b>	<b>CONTINGENCY (Items 1-5)</b>				
	<b>TOTAL:</b>	<b>1</b>	<b>Item</b>	<b>20%</b>	<b>\$ 429,192</b>
					<b>\$ 2,978,411</b>

<b>DI_DR_11 DRAINAGE WORKS - WLRB5 Wetland/Retarding Basin</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	10,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	7,500
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil striping and stockpiling (200mm).	13,000	m <sup>2</sup>	4	52,000
2.2	Excavation including sorting select material, trimming of wetland and filling to nominated areas.				
2.2.1	Cut to fill (SOLID)	350	m <sup>3</sup>	17	5,950
2.2.2	Cut to Spoil (SOLID)	16,250	m <sup>3</sup>	25	406,250
2.3	Loading, transporting and respreading 200mm depth topsoil to wetland base (extending upto NTWL) using the best available material from stripping to achieve design levels and gradings.	7,500	m <sup>2</sup>	4	30,000
<b>3</b>	<b>CLAY LINER</b>				
3.1	Excavate wetland base 500mm min depth below finished surface (extending upto NTWL), graded and compacted to give a uniform profile. Surplus spoil to be removed off site.	3,750	m <sup>3</sup>	25	93,750
3.2	Preparation and compaction of wetland base.	7,500	m <sup>2</sup>	3	22,500
3.3	Supply all materials and construct 500mm min depth clay liner.	7,500	m <sup>2</sup>	10	75,000
3.4	Testing of clay liner.	1	Item	allow	11,000
<b>4</b>	<b>DRAINAGE</b>				
4.1	Supply all material and construct 900mm dia RCP Class 2 RRJ (pipe outlet to "bridge pool" South Coast Hwy).	80	m	500	40,000
4.2	Supply all material and construct 1200 x 900 junction pit.	4	No	4,500	18,000
4.3	Supply all material and construct 2100 x 1200 baffle pit.	1	No	15,000	15,000
4.4	Supply all materials and construct support cradles, including rock beaching, to suit 900mm dia RCP.	1	No	5,000	5,000
<b>5</b>	<b>INCIDENTAL WORKS</b>				
5.1	Supply all material and construct porous rock filters comprising 350-400 mm uniform size rocks with no fines.	1	Item	allow	10,000
5.2	Supply all material and construct 225mm dia balance pipes.	1	Item	allow	5,000
5.3	Supply all materials and construct maintenance track comprising 300mm compacted depth of Class 3 Size 20 FCR.	750	m <sup>2</sup>	28	21,000
5.4	Supply and spread hydroseeded grass to all exposed surfaces (excluding wetland planting zones).	4,000	m <sup>2</sup>	1.25	5,000
5.5	Supply all material and construct sediment pond concrete base comprising 150mm depth 25MPa F62 reinforced concrete.	250	m <sup>2</sup>	80	20,000
5.6	Maintenance - Clean sediment from sedimentation pond.	1	Item	allow	5,000
<b>6</b>	<b>NATIVE VEGETATION OFFSETS</b>				
6.1	For wetlands	1	Item	allow	30,000
<b>7</b>	<b>CHMP</b>				
7.1	For wetlands area	1	Item	allow	52,000
<b>8</b>	<b>PROFESSIONAL FEES</b>				
8.1	Survey & Design	1	Item	12%	106,554
8.2	Hydraulics Engineer	1	Item	allow	10,000
8.3	Geotech Investigation	1	Item	allow	10,000
<b>9</b>	<b>COUNCIL SUPERVISION FEE</b>				
9.1	3.25% of cost of works	1	Item	3.25%	28,858
<b>10</b>	<b>CONTINGENCY (Items 1-5)</b>				
		1	Item	20%	177,590
	<b>TOTAL</b>				<b>\$ 1,302,952</b>

<b>DI_DR_12 DRAINAGE WORKS - WLRB6 Wetland/Retarding Basin</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	10,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	7,500
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil striping and stockpiling (200mm).	24,000	m <sup>2</sup>	4	96,000
2.2	Excavation including sorting select material, trimming of wetland and filling to nominated areas.				
2.2.1	Cut to fill (SOLID)	500	m <sup>3</sup>	17	8,500
2.2.2	Cut to Spoil (SOLID)	21,550	m <sup>3</sup>	25	538,750
2.3	Loading, transporting and respreading 200mm depth topsoil to wetland base (extending upto NTWL) using the best available material from stripping to achieve design levels and gradings.	7,700	m <sup>2</sup>	4	30,800
<b>3</b>	<b>CLAY LINER</b>				
3.1	Excavate wetland base 500mm min depth below finished surface (extending upto NTWL), graded and compacted to give a uniform profile. Surplus spoil to be removed off site.	3,850	m <sup>3</sup>	25	96,250
3.2	Preparation and compaction of wetland base.	7,700	m <sup>2</sup>	3	23,100
3.3	Supply all materials and construct 500mm min depth clay liner.	7,700	m <sup>2</sup>	10	77,000
3.4	Testing of clay liner.	1	Item	allow	10,000
<b>4</b>	<b>DRAINAGE</b>				
4.1	Supply all material and construct 900mm dia RCP Class 2 RRJ (pipe inlet to WLRB6).	20	m	500	10,000
4.2	Supply all material and construct 750mm dia RCP Class 2 RRJ (pipe outlet to WLRB7).	60	m	350	21,000
4.3	Supply all material and construct 1050 x 900 junction pit.	1	No	3,000	3,000
4.4	Supply all material and construct 1200 x 900 junction pit.	1	No	3,500	3,500
4.5	Supply all material and construct 2100 x 1200 baffle pit.	1	No	15,000	15,000
4.6	Supply all materials and construct support cradles, including rock beaching, to suit 900mm dia RCP.	1	No	5,000	5,000
<b>5</b>	<b>INCIDENTAL WORKS</b>				
5.1	Supply all material and construct porous rock filters comprising 350-400 mm uniform size rocks with no fines.	1	Item	allow	10,000
5.2	Supply all material and construct 225mm dia balance pipes.	1	Item	allow	5,000
5.3	Supply all materials and construct maintenance track comprising 300mm compacted depth of Class 3 Size 20 FCR.	660	m <sup>2</sup>	28	18,480
5.4	Supply and spread hydroseeded grass to all exposed surfaces (excluding wetland planting zones).	4,000	m <sup>2</sup>	1.25	5,000
5.5	Supply all material and construct sediment pond concrete base comprising 150mm depth 25MPa F62 reinforced concrete.	250	m <sup>2</sup>	80	20,000
5.6	Maintenance - Clean sediment from sedimentation pond prior to handover.	1	Item	allow	5,000
<b>6</b>	<b>NATIVE VEGETATION OFFSETS</b>				
6.1	For wetlands	1	Item	allow	86,000
<b>7</b>	<b>CHMP</b>				
7.1	For wetlands area	1	Item	allow	50,000
<b>8</b>	<b>PROFESSIONAL FEES</b>				
8.1	Survey & Design	1	Item	12%	125,866
8.2	Hydraulics Engineer	1	Item	allow	10,000
8.3	Geotech Investigation	1	Item	allow	10,000
<b>9</b>	<b>COUNCIL SUPERVISION FEE</b>				
9.2	3.25% of cost of works	1	Item	3.25%	34,089
<b>10</b>	<b>CONTINGENCY (Items 1-5)</b>				
		1	Item	20%	209,776
	<b>TOTAL</b>				<b>\$ 1,574,610</b>

<b>DI_DR_13 DRAINAGE WORKS - WLRB7 Wetland/Retarding Basin</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	10,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	7,500
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil striping and stockpiling (200mm).	15,000	m <sup>2</sup>	4	60,000
2.2	Excavation including sorting select material, trimming of wetland and filling to nominated areas.				
2.2.1	Cut to fill (SOLID)	100	m <sup>3</sup>	17	1,700
2.2.2	Cut to Spoil (SOLID)	13,780	m <sup>3</sup>	25	344,500
2.3	Loading, transporting and respreading 200mm depth topsoil to wetland base (extending upto NTWL) using the best available material from stripping to achieve design levels and gradings.	7,360	m <sup>2</sup>	4	29,440
<b>3</b>	<b>CLAY LINER</b>				
3.1	Excavate wetland base 500mm min depth below finished surface (extending upto NTWL), graded and compacted to give a uniform profile. Surplus spoil to be removed off site.	3,680	m <sup>3</sup>	25	92,000
3.2	Preparation and compaction of wetland base.	7,360	m <sup>2</sup>	3	22,080
3.3	Supply all materials and construct 500mm min depth clay liner.	7,360	m <sup>2</sup>	10	73,600
3.4	Testing of clay liner.	1	Item	allow	10,000
<b>4</b>	<b>DRAINAGE</b>				
4.1	Supply all material and construct 750mm dia RCP Class 2 RRJ (pipe inlet to WLRB7).	40	m	350	14,000
4.2	Supply all material and construct 750mm dia RCP Class 2 RRJ( pipe outlet to WLRB 8).	40	m	350	14,000
4.3	Supply all material and construct 1050 x 900 junction pit.	2	No	3,500	7,000
4.4	Supply all material and construct 2100 x 1200 baffle pit.	1	No	15,000	15,000
4.5	Supply all materials and construct support cradles, including rock beaching, to suit 750mm dia RCP.	2	No	5,000	10,000
<b>5</b>	<b>INCIDENTAL WORKS</b>				
5.1	Supply all material and construct porous rock filters comprising 350-400 mm uniform size rocks with no fines.	1	Item	allow	10,000
5.2	Supply all material and construct 225mm dia balance pipes.	1	Item	allow	5,000
5.3	Supply all materials and construct maintenance track comprising 300mm compacted depth of Class 3 Size 20 FCR.	650	m <sup>2</sup>	28	18,200
5.4	Supply and spread hydroseeded grass to all exposed surfaces (excluding wetland planting zones).	4,000	m <sup>2</sup>	1.25	5,000
5.5	Supply all material and construct sediment pond concrete base comprising 150mm depth 25MPa F62 reinforced concrete.	250	m <sup>2</sup>	80	20,000
5.6	Maintenance - Clean sediment from sedimentation pond.	1	Item	allow	5,000
<b>6</b>	<b>NATIVE VEGETATION OFFSETS</b>				
6.1	For Wetlands	1	Item	allow	229,000
<b>7</b>	<b>CHMP</b>				
7.1	For wetlands area	1	Item	allow	50,000
<b>8</b>	<b>PROFESSIONAL FEES</b>				
8.1	Survey & Design	1	Item	12%	96,482
8.2	Hydraulics Engineer	1	Item	allow	10,000
8.3	Geotech Investigation	1	Item	allow	10,000
<b>9</b>	<b>COUNCIL SUPERVISION FEE</b>				
9.1	3.25% of cost of works	1	Item	3.25%	26,131
<b>10</b>	<b>CONTINGENCY (Items 1-5)</b>				
		1	Item	20%	160,804
	<b>TOTAL</b>				<b>\$ 1,386,437</b>

**BROWN**

Smart Consulting

Job No. M100611/R

Date: Oct 2011

**DI\_DR\_14 DRAINAGE WORKS - WLRB8 Wetland/Retarding Basin****Schedule of Rates and Prices**

Item	Description	Quantity	Unit	Rate	Amount (\$)
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	10,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	7,500
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil striping and stockpiling (200mm).	16,000	m <sup>2</sup>	4	64,000
2.2	Excavation including sorting select material, trimming of wetland and filling to nominated areas.				
2.2.1	Cut to fill (SOLID)	200	m <sup>3</sup>	17	3,400
2.2.2	Cut to Spoil (SOLID)	22,500	m <sup>3</sup>	25	562,500
2.3	Loading, transporting and respreading 200mm depth topsoil to wetland base (extending upto NTWL) using the best available material from stripping to achieve design levels and gradings.	8,980	m <sup>2</sup>	4	35,920
<b>3</b>	<b>CLAY LINER</b>				
3.1	Excavate wetland base 500mm min depth below finished surface (extending upto NTWL), graded and compacted to give a uniform profile. Surplus spoil to be removed off site.	4,490	m <sup>3</sup>	25	112,250
3.2	Preparation and compaction of wetland base.	8,980	m <sup>2</sup>	3	26,940
3.3	Supply all materials and construct 500mm min depth clay liner.	8,980	m <sup>2</sup>	10	89,800
3.4	Testing of clay liner.	1	Item	allow	13,000
<b>4</b>	<b>DRAINAGE</b>				
4.1	Supply all material and construct 900mm dia RCP Class 2 RRJ (pipe inlets to sediment pond).	60	m	500	30,000
4.2	Supply all material and construct 900mm dia RCP Class 2 RRJ (pipe outlet to "bridge pool" South Coast Hwy).	80	m	500	40,000
4.3	Supply all material and construct 600mm dia RCP Class 2 RRJ (bypass pipe from Surf Coast Hwy to ACEP drainage).	200	m	400	80,000
4.4	Supply all material and construct 1200 x 900 junction pit.	4	No	4,500	18,000
4.5	Supply all material and construct 900 x 900 junction pit.	6	No	2,000	12,000
4.6	Supply all material and construct 2100 x 1200 baffle pit.	1	No	15,000	15,000
4.7	Supply all materials and construct support cradles, including rock beaching, to suit 750/900mm dia RCP.	3	No	5,000	15,000
<b>5</b>	<b>INCIDENTAL WORKS</b>				
5.1	Supply all material and construct porous rock filters comprising 350-400 mm uniform size rocks with no fines.	1	Item	allow	10,000
5.2	Supply all material and construct 225mm dia balance pipes.	1	Item	allow	6,000
5.3	Supply all materials and construct maintenance track comprising 300mm compacted depth of Class 3 Size 20 FCR.	800	m <sup>2</sup>	28	22,400
5.4	Supply and spread hydroseeded grass to all exposed surfaces (excluding wetland planting zones).	4,500	m <sup>2</sup>	1.25	5,625
5.5	Supply all material and construct sediment pond concrete base comprising 150mm depth 25MPa F62 reinforced concrete.	350	m <sup>2</sup>	80	28,000
5.6	Maintenance - Clean sediment from sedimentation pond.	1	Item	allow	5,000
<b>6</b>	<b>NATIVE VEGETATION OFFSETS</b>				
6.1	For wetlands	1	Item	allow	67,000
<b>7</b>	<b>CHMP</b>				
7.1	For wetlands area	1	Item	allow	50,000
<b>8</b>	<b>PROFESSIONAL FEES</b>				
8.1	Survey & Design	1	Item	12%	149,080
8.2	Hydraulics Engineer	1	Item	allow	10,000
8.3	Geotech Investigation	1	Item	allow	10,000
<b>9</b>	<b>COUNCIL SUPERVISION FEE</b>				
9.1	3.25% of cost of works	1	Item	3.25%	40,376
<b>10</b>	<b>CONTINGENCY (Items 1-5)</b>				
		1	Item	20%	248,467
	<b>TOTAL</b>				<b>\$ 1,817,258</b>

<b>DI_DR_15 DRAINAGE WORKS - SB2 Sedimentation Basin</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	10,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	7,500
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil striping and stockpiling (200mm).	12,000	m <sup>2</sup>	4	48,000
2.2	Excavation including sorting select material, trimming of wetland and filling to nominated areas.				
2.2.1	Cut to fill (SOLID)	2140	m <sup>3</sup>	17	36,380
2.2.2	Cut to Spoil (SOLID)	14260	m <sup>3</sup>	25	356,500
2.3	Loading, transporting and respreading 200mm depth topsoil to wetland base (extending upto NTWL) using the best available material from stripping to achieve design levels and gradings.	4,000	m <sup>2</sup>	4	16,000
<b>3</b>	<b>CLAY LINER</b>				
3.1	Excavate wetland base 500mm min depth below finished surface (extending upto NTWL), graded and compacted to give a uniform profile. Surplus spoil to be removed off site.	2,000	m <sup>3</sup>	25	50,000
3.2	Preparation and compaction of wetland base.	4,000	m <sup>2</sup>	3	12,000
3.3	Supply all materials and construct 500mm min depth clay liner.	4,000	m <sup>2</sup>	10	40,000
3.4	Testing of clay liner.	1	Item	allow	10,000
<b>4</b>	<b>DRAINAGE</b>				
4.1	Supply all material and construct 750mm dia RCP Class 2 RRJ (pipe outlet to WLRB2).	150	m	350	52,500
4.2	Supply all material and construct 1050 x 900 junction pit.	3	No	3,000	9,000
4.3	Supply all material and construct 1200 x 900 junction pit.	1	No	3,500	3,500
4.4	Supply all material and construct 2100 x 1200 baffle pit.	1	No	15,000	15,000
4.5	Supply all materials and construct support cradles, including rock beaching, to suit 750mm dia RCP.	1	No	5,000	5,000
<b>5</b>	<b>INCIDENTAL WORKS</b>				
5.1	Supply all material and construct porous rock filters comprising 350-400 mm uniform size rocks with no fines.	1	Item	allow	10,000
5.2	Supply all material and construct 225mm dia balance pipes.	1	Item	allow	3,500
5.3	Supply all materials and construct maintenance track comprising 300mm compacted depth of Class 3 Size 20 FCR.	350	m <sup>2</sup>	28	9,800
5.4	Supply and spread hydroseeded grass to all exposed surfaces (excluding wetland planting zones).	2,000	m <sup>2</sup>	1.25	2,500
5.5	Supply all material and construct sediment pond concrete base comprising 150mm depth 25MPa F62 reinforced concrete.	3,000	m <sup>2</sup>	80	240,000
5.6	Maintenance - Clean sediment from sedimentation pond prior to handover.	1	Item	allow	5,000
<b>6</b>	<b>NATIVE VEGETATION OFFSETS</b>				
6.1	For Sedimentation Basin	1	Item	allow	38,000
<b>7</b>	<b>CHMP</b>				
7.1	For Sedimentation Basin	1	Item	allow	40,000
<b>8</b>	<b>PROFESSIONAL FEES</b>				
8.1	Survey & Design	1	Item	12%	116,662
8.2	Hydraulics Engineer	1	Item	allow	10,000
8.3	Geotech Investigation	1	Item	allow	10,000
<b>9</b>	<b>COUNCIL SUPERVISION FEE</b>				
9.1	3.25% of cost of works	1	Item	3.25%	31,596
<b>10</b>	<b>CONTINGENCY (Items 1-5)</b>				
		1	Item	20%	194,436
	<b>TOTAL</b>				<b>\$ 1,412,873</b>

**BROWN**

Smart Consulting

Job No. M100611/R

Date: Oct 2011

**LAC RECREATION FACILITY****Schedule of Rates and Prices**

Item	Description	Quantity	Unit	Rate	Amount (\$)
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	15,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip and stockpile.	60,000	m <sup>2</sup>	2	120,000
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Fill (SOLID)	1,000	m <sup>3</sup>	10	10,000
2.2.2	Cut to Spoil (SOLID)	46,000	m <sup>3</sup>	23	1,058,000
<b>3</b>	<b>ROAD PAVEMENT</b>				
3.1	Wearing course comprising 30mm depth of 7mm nom. size Type N asphalt	2,900	m <sup>2</sup>	15	43,500
3.2	Primer or primerseal	2,900	m <sup>2</sup>	2	5,800
3.3	Base course comprising 160mm, Size 20 Class 2 FCR	2,900	m <sup>2</sup>	16	46,400
3.4	Sub base comprising 230mm, size 20 Class 3 FCR	3,500	m <sup>2</sup>	20	70,000
<b>4</b>	<b>CONCRETE WORKS</b>				
4.1	Kerb & channel	300	m	50	15,000
4.2	Footpath (125mm thick)	2500	m <sup>2</sup>	55	137,500
<b>5</b>	<b>DRAINAGE</b>				
5.1	Subsoil drains	300	Lm	14	4,200
5.2	Stormwater drains	250	No	230	57,500
5.3	Drainage pits	6	No	1,500	9,000
<b>6</b>	<b>MISCELLANEOUS</b>				
6.1	Line marking	1	Item	allow	5,000
6.2	Signage	1	Item	allow	1,000
6.3	Carpark Lighting	1	Item	allow	20,000
<b>7</b>	<b>PROFESSIONAL FEES</b>				
7.1	Survey & Design	1	Item	10%	165,790
7.2	Geotech Investigation & Pavement Design	1	Item	5,000	5,000
<b>8</b>	<b>COUNCIL SUPERVISION FEE</b>				
8.1	3.25% of cost of works	1	Item	3.25%	53881.75
<b>9</b>	<b>CONTINGENCY (Items 1-6)</b>				
		1	Item	15%	248,685
<b>TOTAL:</b>					<b>\$ 2,131,257</b>

**BROWN**

Smart Consulting

Job No. M100611/R

Date: Oct 2011

<b>NAC RECREATION FACILITY</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	15,000
1.3	Clearing & Grubbing.	1	Item	allow	5,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip and stockpile.	58,000	m <sup>2</sup>	2	116,000
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Fill (SOLID)	32,000	m <sup>3</sup>	10	320,000
2.2.2	Cut to Spoil (SOLID)	11,000	m <sup>3</sup>	23	253,000
<b>3</b>	<b>ROAD PAVEMENT</b>				
3.1	Wearing course comprising 30mm depth of 7mm nom. size Type N asphalt	2,000	m <sup>2</sup>	15	30,000
3.2	Primer or primerseal	2,000	m <sup>2</sup>	2	4,000
3.3	Base course comprising 160mm, Size 20 Class 2 FCR	2,000	m <sup>2</sup>	16	32,000
3.4	Sub base comprising 230mm, size 20 Class 3 FCR	2,400	m <sup>2</sup>	20	48,000
<b>4</b>	<b>CONCRETE WORKS</b>				
4.1	Kerb & channel	250	m	50	12,500
4.2	Footpath (125mm thick)	2150	m <sup>2</sup>	55	118,250
<b>5</b>	<b>DRAINAGE</b>				
5.1	Subsoil drains	250	Lm	14	3,500
5.2	Stormwater drains	200	No	230	46,000
5.3	Drainage pits	8	No	1,500	12,000
<b>6</b>	<b>MISCELLANEOUS</b>				
6.1	Line marking	1	Item	allow	5,000
6.2	Signage	1	Item	allow	1,000
6.3	Carpark Lighting	1	Item	allow	20,000
<b>7</b>	<b>PROFESSIONAL FEES</b>				
7.1	Survey & Design	1	Item	10%	107,625
7.2	Geotech Investigation & Pavement Design	1	Item	5,000	5,000
<b>8</b>	<b>COUNCIL SUPERVISION FEE</b>				
8.1	3.25% of cost of works	1	Item	3.25%	34978.125
<b>9</b>	<b>CONTINGENCY (Items 1-6)</b>				
		1	Item	15%	161,438
	<b>TOTAL:</b>				<b>\$ 1,385,291</b>

**BROWN**

Smart Consulting

Job No. M100611/R

Date: Oct 2011

<b>REGIONAL RECREATION FACILITY</b>					
<b>Schedule of Rates and Prices</b>					
<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (\$)</b>
<b>1</b>	<b>PRELIMINARIES</b>				
1.1	Site establishment.	1	Item	allow	10,000
1.2	Traffic Diversions, traffic control, temporary signs, securing of excavations and any other measures required to ensure the safety of the public and to protect property.	1	Item	allow	15,000
1.3	Clearing & Grubbing.	1	Item	allow	15,000
1.4	Preparation of EMP, OH&S Plan and SMP.	1	Item	allow	10,000
1.5	Supply and installation of environmental protection works to control stormwater runoff from the works site.	1	Item	allow	15,000
<b>2</b>	<b>PRELIMINARY SITE WORKS &amp; EARTHWORKS</b>				
2.1	Topsoil strip and stockpile	120,000	m <sup>2</sup>	2	240,000
2.2	Excavation including sorting select material, trimming and filling to nominated areas.				
2.2.1	Cut to Fill (SOLID)	28,000	m <sup>3</sup>	10	280,000
2.2.2	Fill (SOLID)	50,000	m <sup>3</sup>	23	1,150,000
<b>3</b>	<b>ROAD PAVEMENT</b>				
3.1	Wearing course comprising 30mm depth of 7mm nom. size Type N asphalt	9,700	m <sup>2</sup>	15	145,500
3.2	Primer or primerseal	9,700	m <sup>2</sup>	2	19,400
3.3	Base course comprising 160mm, Size 20 Class 2 FCR	11,500	m <sup>2</sup>	16	184,000
3.4	Sub base comprising 230mm, size 20 Class 3 FCR	14,200	m <sup>2</sup>	20	284,000
<b>4</b>	<b>CONCRETE WORKS</b>				
4.1	Kerb & channel	3,800	m	50	190,000
4.2	Footpath (125mm thick)	4,950	m <sup>2</sup>	55	272,250
<b>5</b>	<b>DRAINAGE</b>				
5.1	Subsoil drains	3,800	Lm	14	53,200
5.2	Stormwater drains	4,000	No	230	920,000
5.3	Drainage pits	50	No	1,500	75,000
<b>6</b>	<b>MISCELLANEOUS</b>				
6.1	Line marking	1	Item	allow	15,000
6.2	Signage	1	Item	allow	1,000
6.3	Carpark/Access Road Lighting	1	Item	allow	110,000
<b>7</b>	<b>PROFESSIONAL FEES</b>				
7.1	Survey & Design	1	Item	10%	400,435
7.2	Geotech Investigation & Pavement Design	1	Item	10,000	10,000
<b>8</b>	<b>COUNCIL SUPERVISION FEE</b>				
8.1	3.25% of cost of works	1	Item	3.25%	130,141
<b>9</b>	<b>CONTINGENCY (Items 1-6)</b>				
		1	Item	15%	600,653
	<b>TOTAL:</b>				<b>\$ 5,145,579</b>