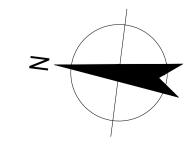
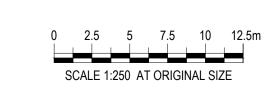


1/6/	Description		Olleckeu	Approved	Date
Rev	Description		Checked	Approved	Date
Α	CONCEPT		COD	LM	01.03.21
В	REVISED CONCEPT		COD	LM	26.03.21
С	REVISED NAME	·	COD	LM	26.04.21

Design Check C.ODOWD









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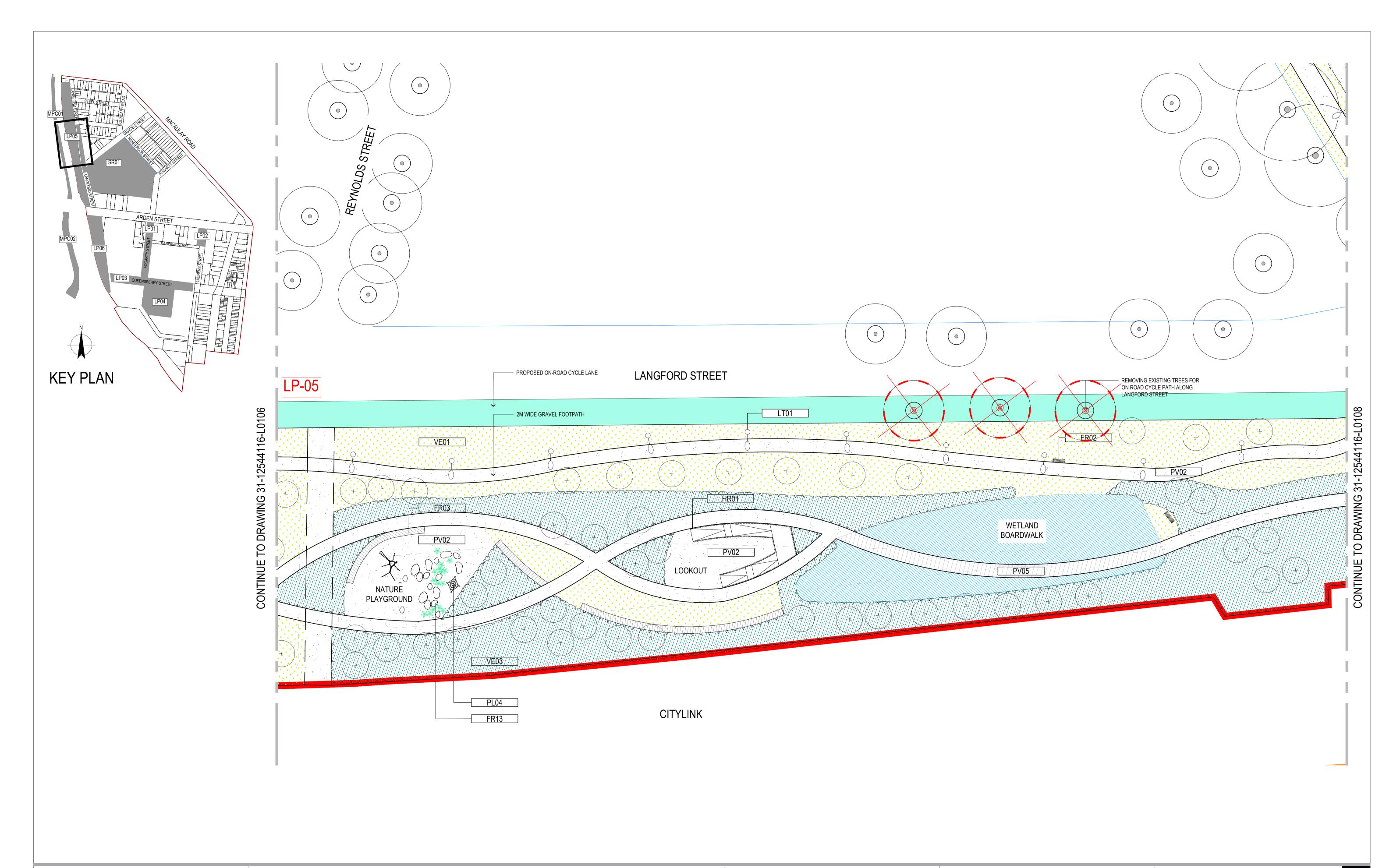
Project No.

Client VICTORIA PLANNING AUTHORITY

Project ARDEN PUBLIC SPACES

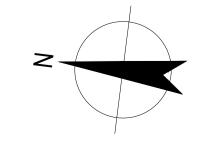
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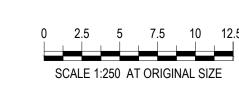
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Day	Description	Checked	Approved	Date
Α	CONCEPT	COD	LM	01.03.21
В	REVISED CONCEPT	COD	LM	26.03.21
С	REVISED NAME	COD	LM	26.04.21

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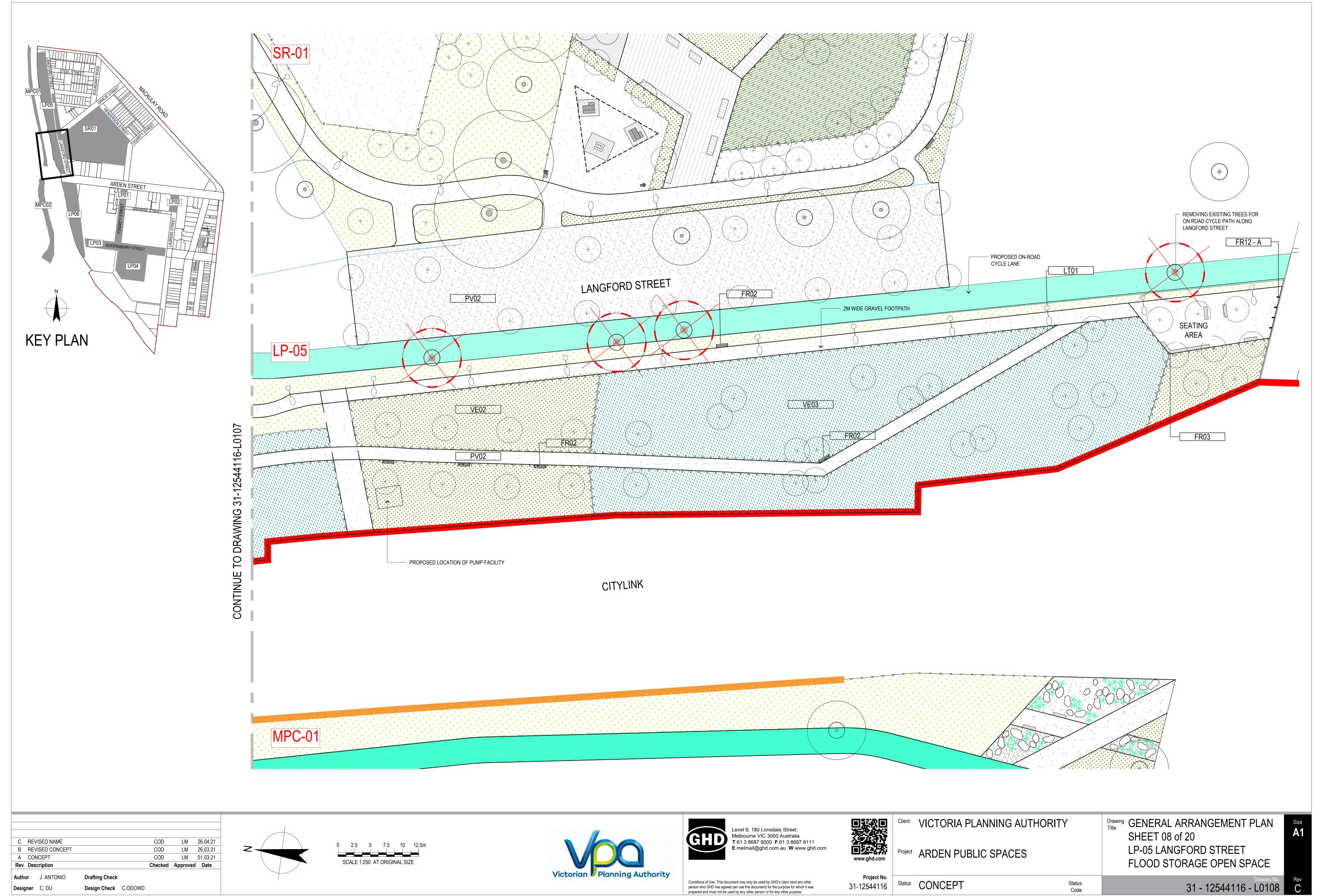
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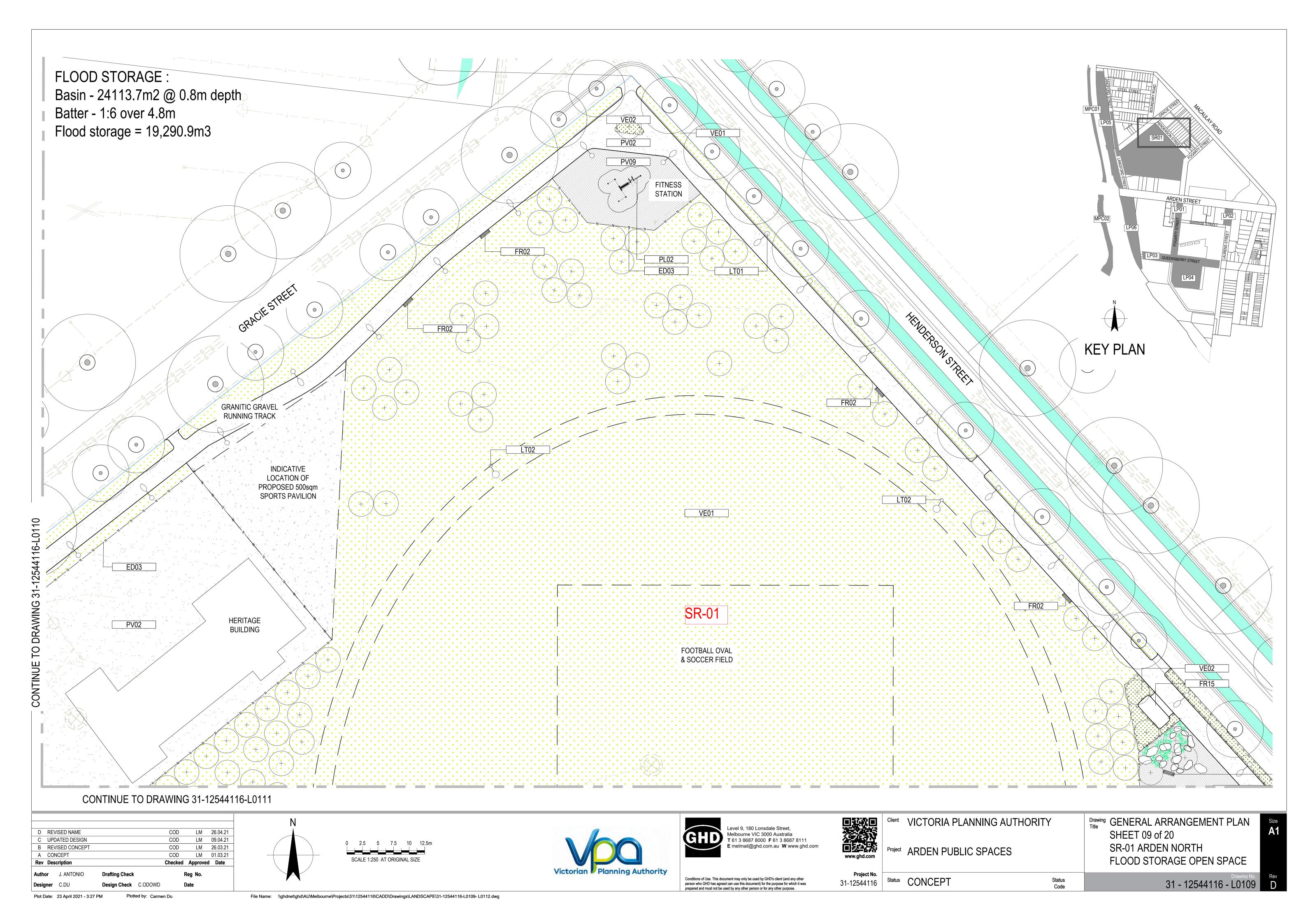
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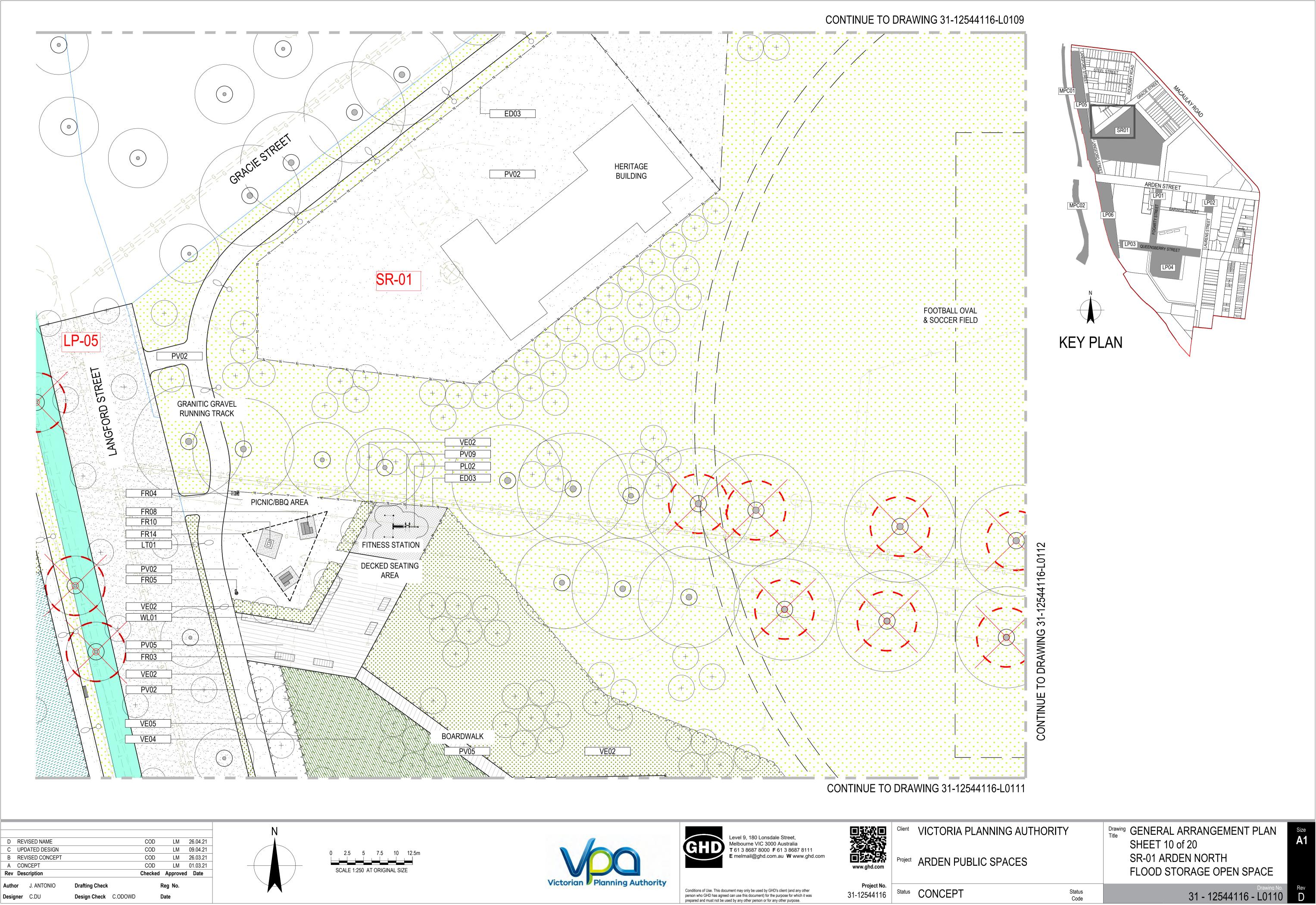
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LP-05 LANGFORD STREET FLOOD STORAGE OPEN SPACE

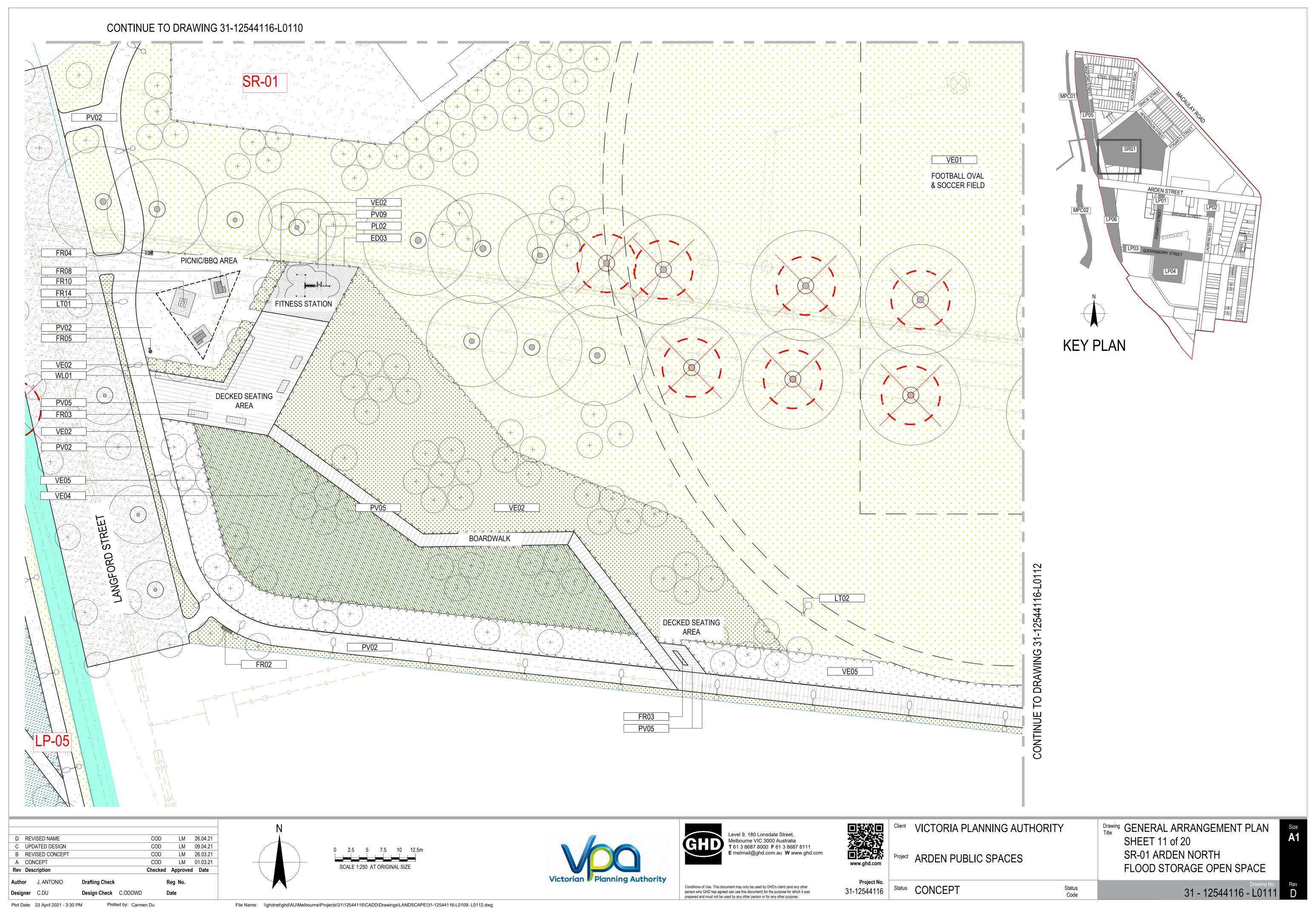
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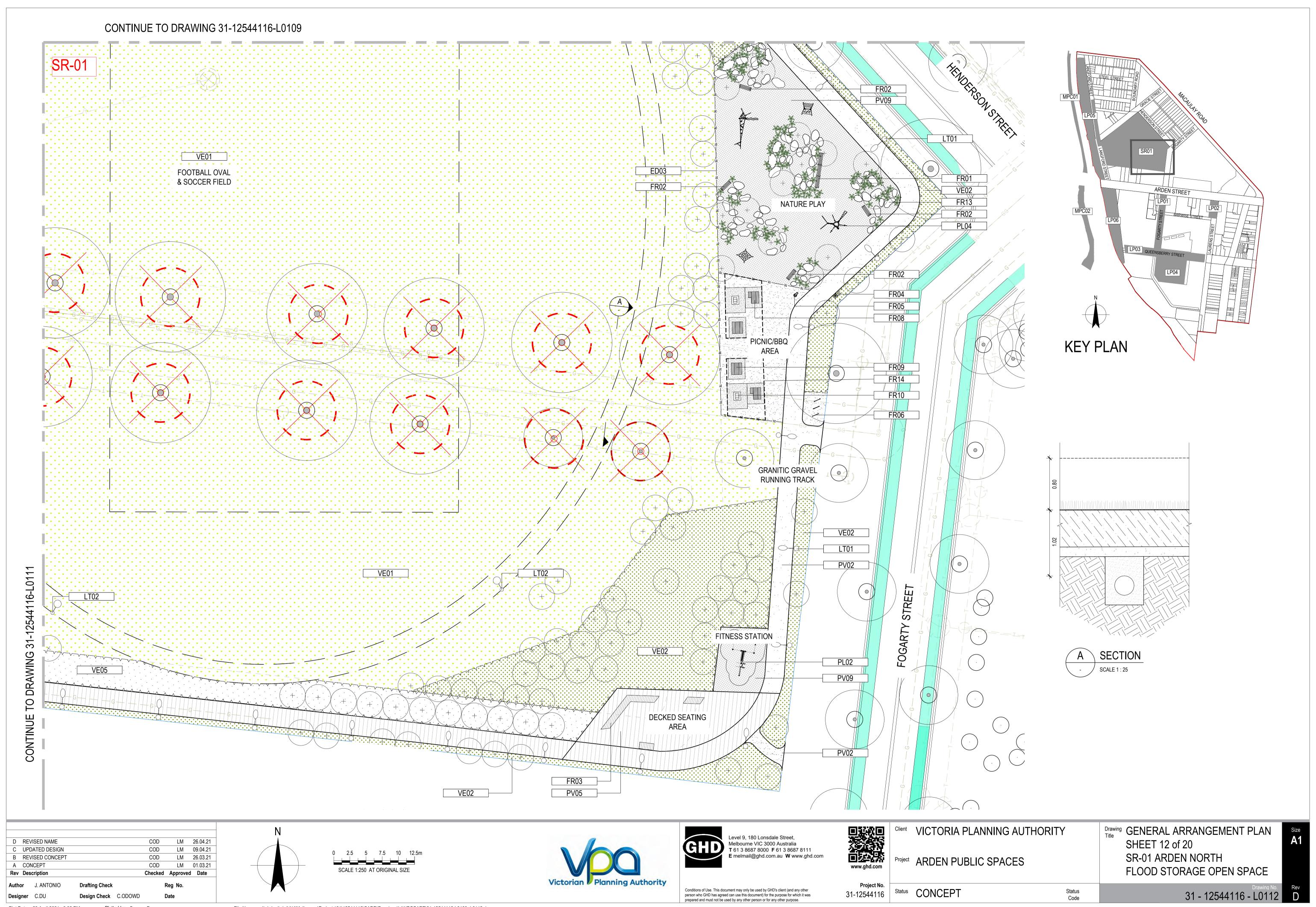
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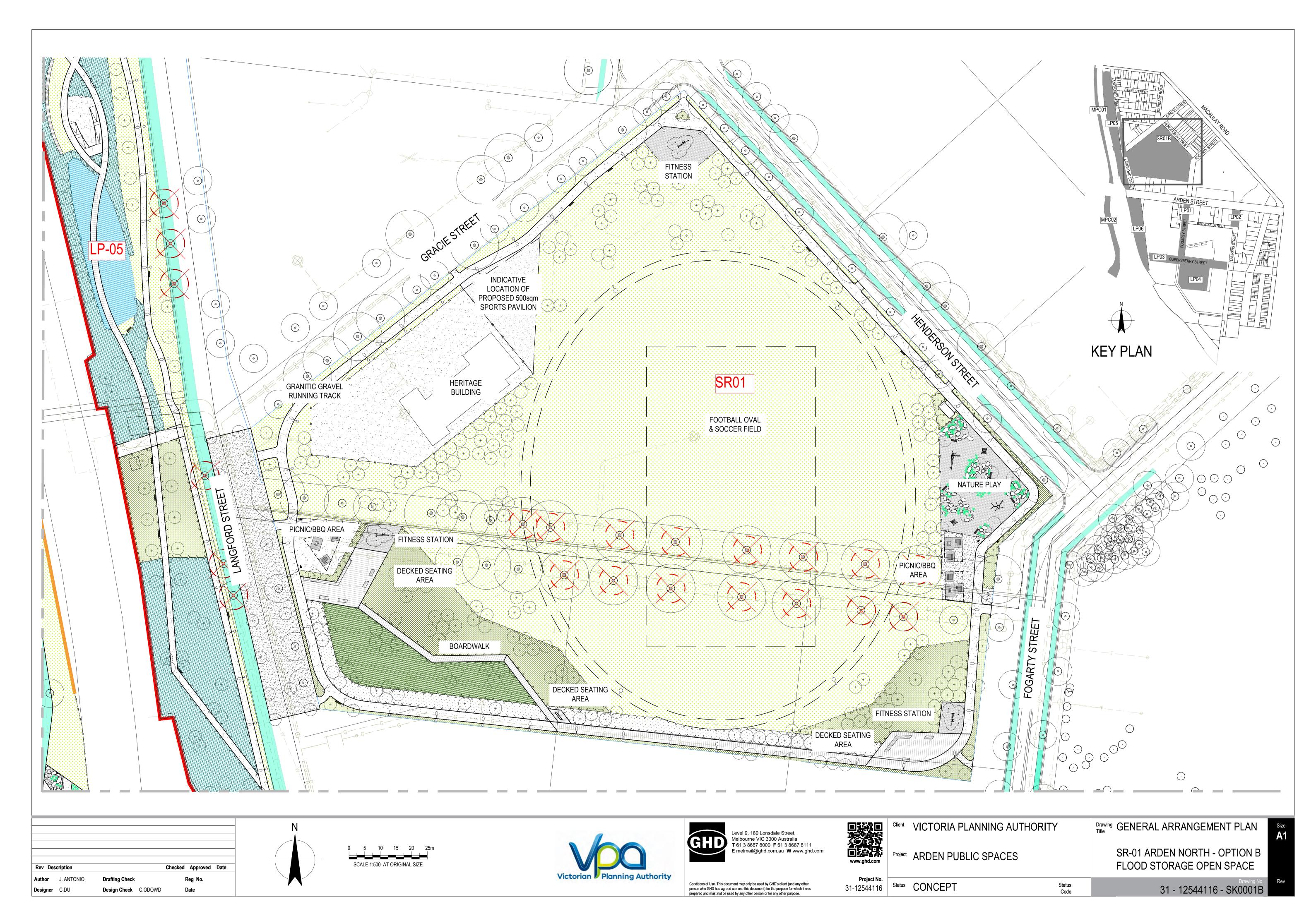


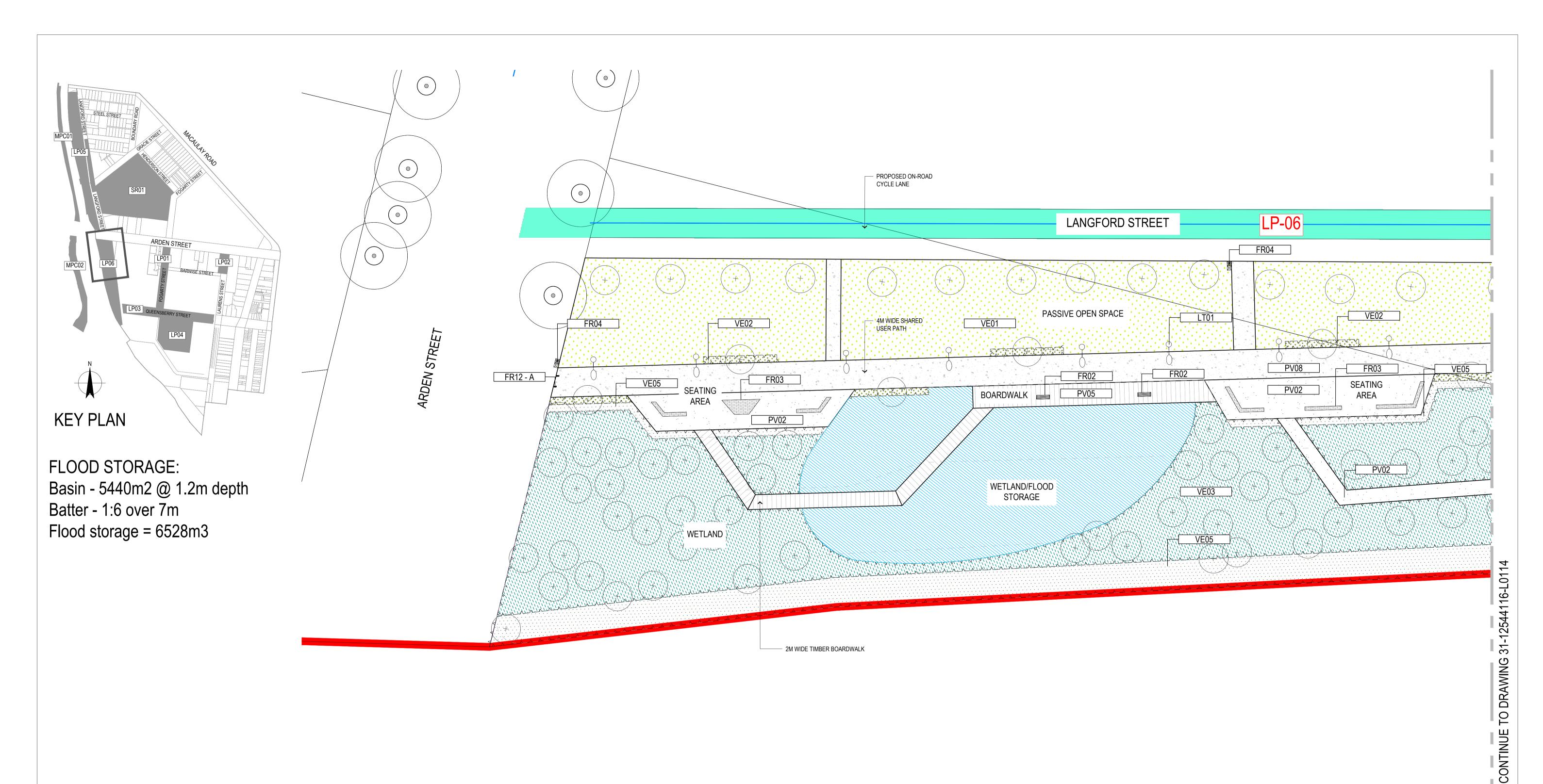




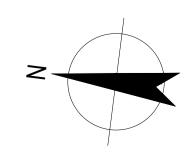


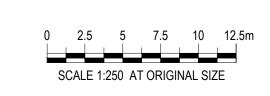






	C R	EVISED NAME			COD	LM	26.04.21
	B R	EVISED CONCEPT	Т		COD	LM	26.03.21
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R	Rev D	escription			Checked	Approved	Date
Aı	uthor	J. ANTONIO	Drafting Check				
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Project No.

31-12544116

victoria Planning Authority

Drawing Title GENERAL ARRANGEMENT PLAN
SHEET 13 of 20
LP-06 ARDEN CENTRAL
ELOOD STORAGE OPEN SPACE

Project ARDEN PUBLIC SPACES

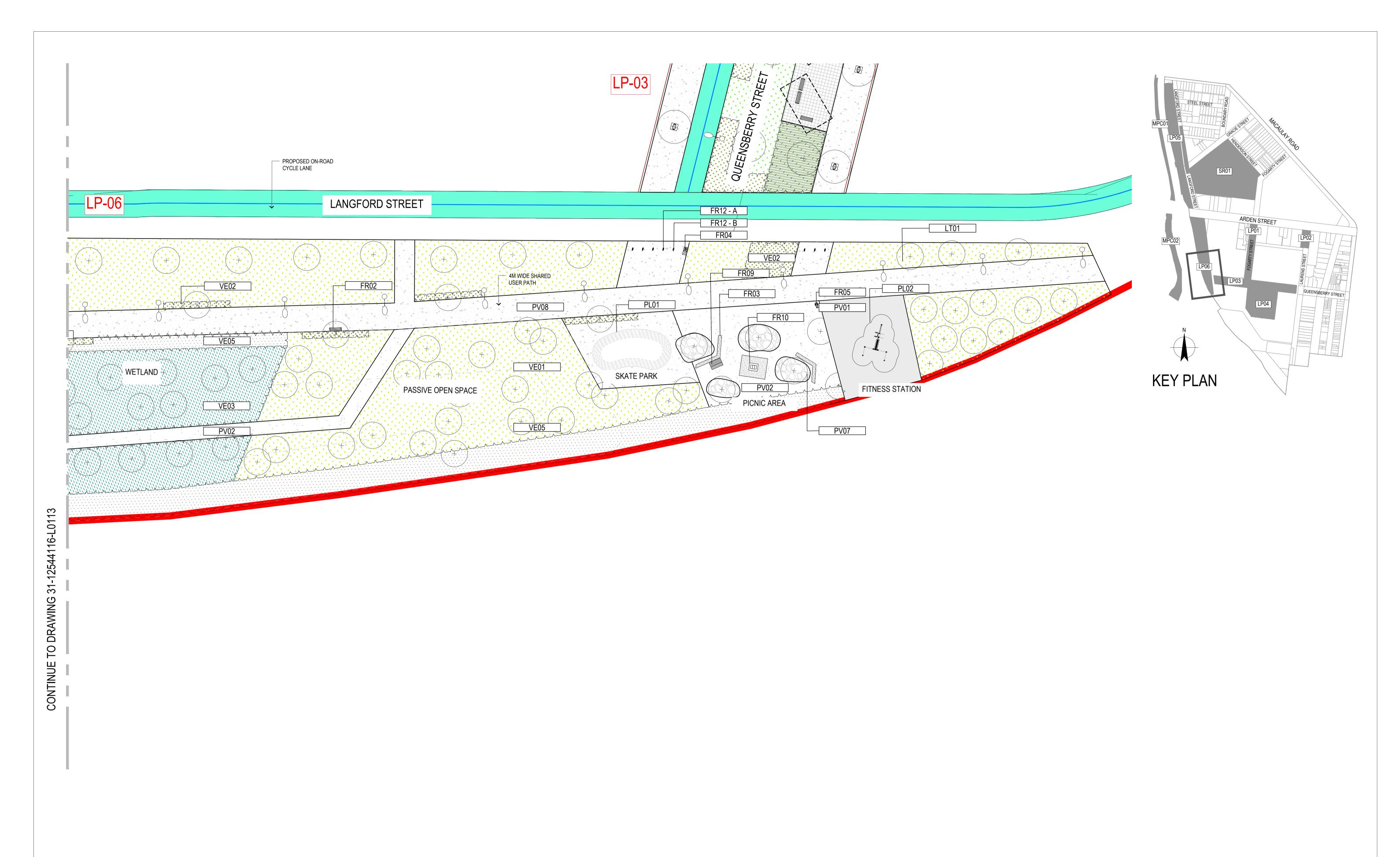
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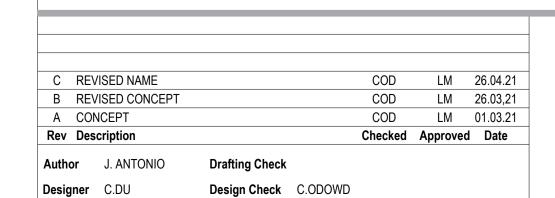
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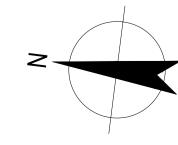
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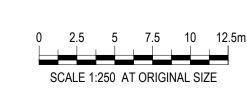
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Plot Date: 23 April 2021 - 4:47 PM









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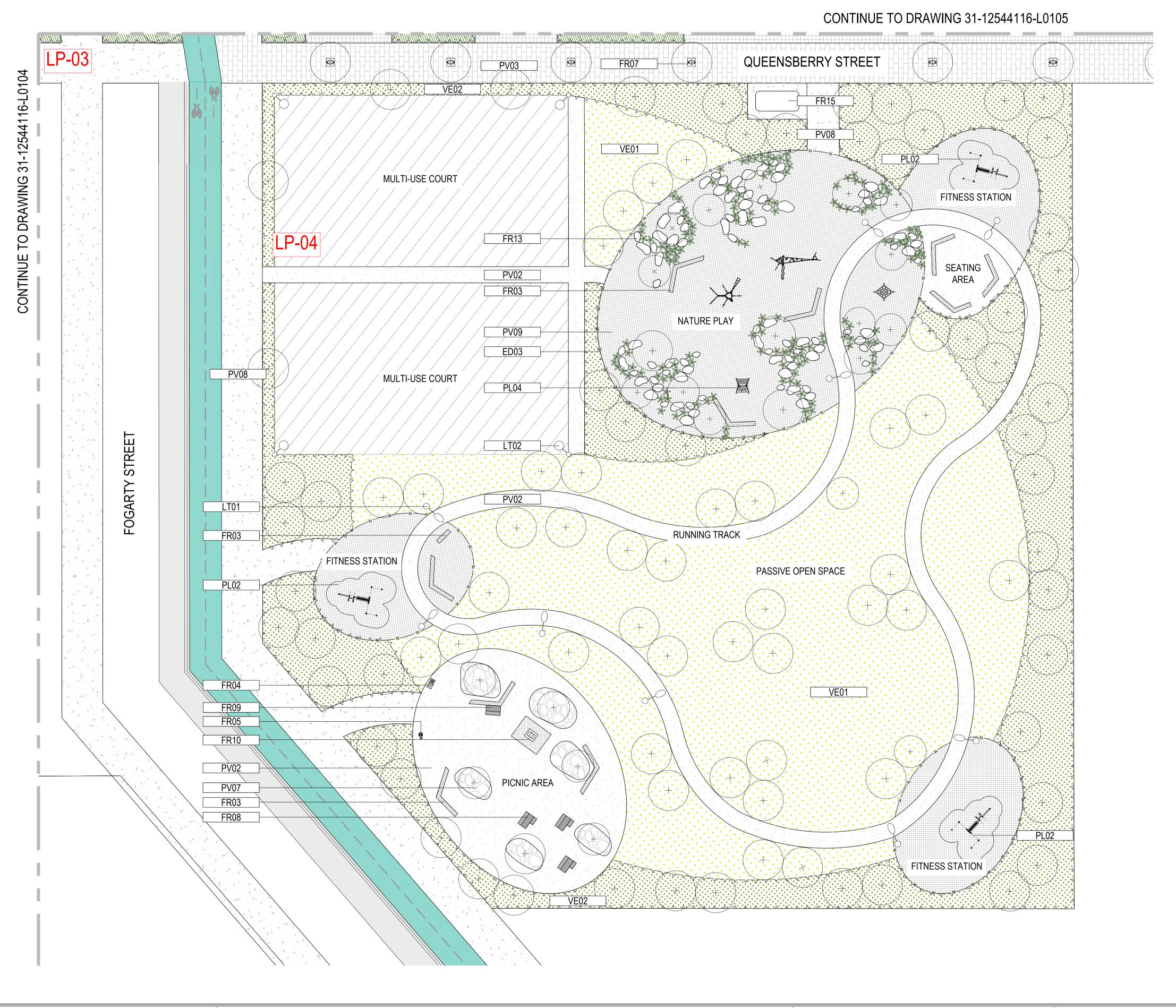
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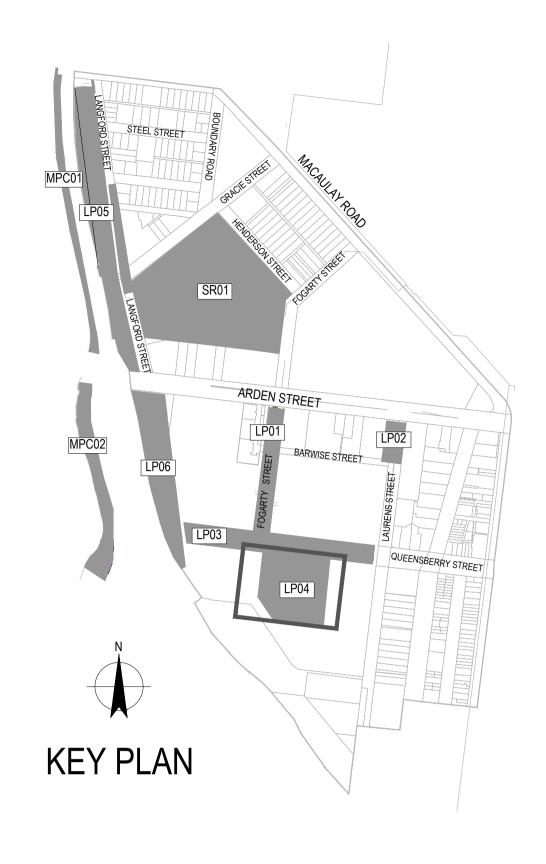
Drawing GENERAL ARRANGEMENT PLAN SHEET 14 of 20 LP-06 ARDEN CENTRAL

Status CONCEPT Status Code

Client VICTORIA PLANNING AUTHORITY

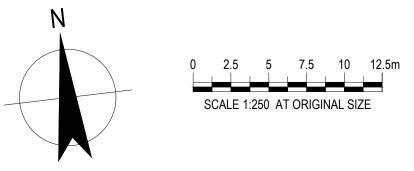
FLOOD STORAGE OPEN SPACE





Rev Description Author J. ANTONIO		Checked	Approve	d Date
A	CONCEPT	COD	LM	01.03.2
В	REVISED CONCEPT	COD	LM	26.03.2
С	REVISED NAME	COD	LM	26.04.2

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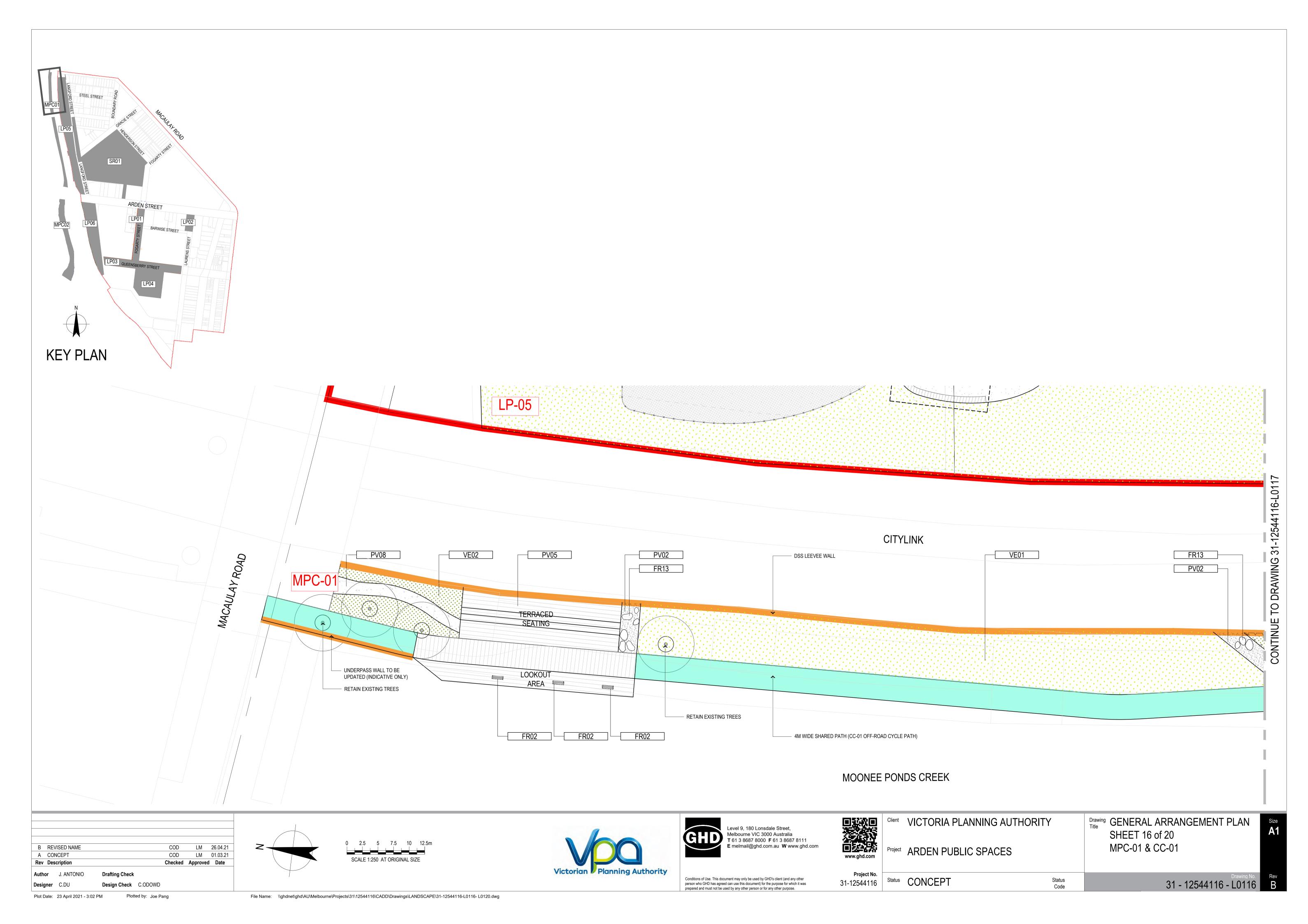


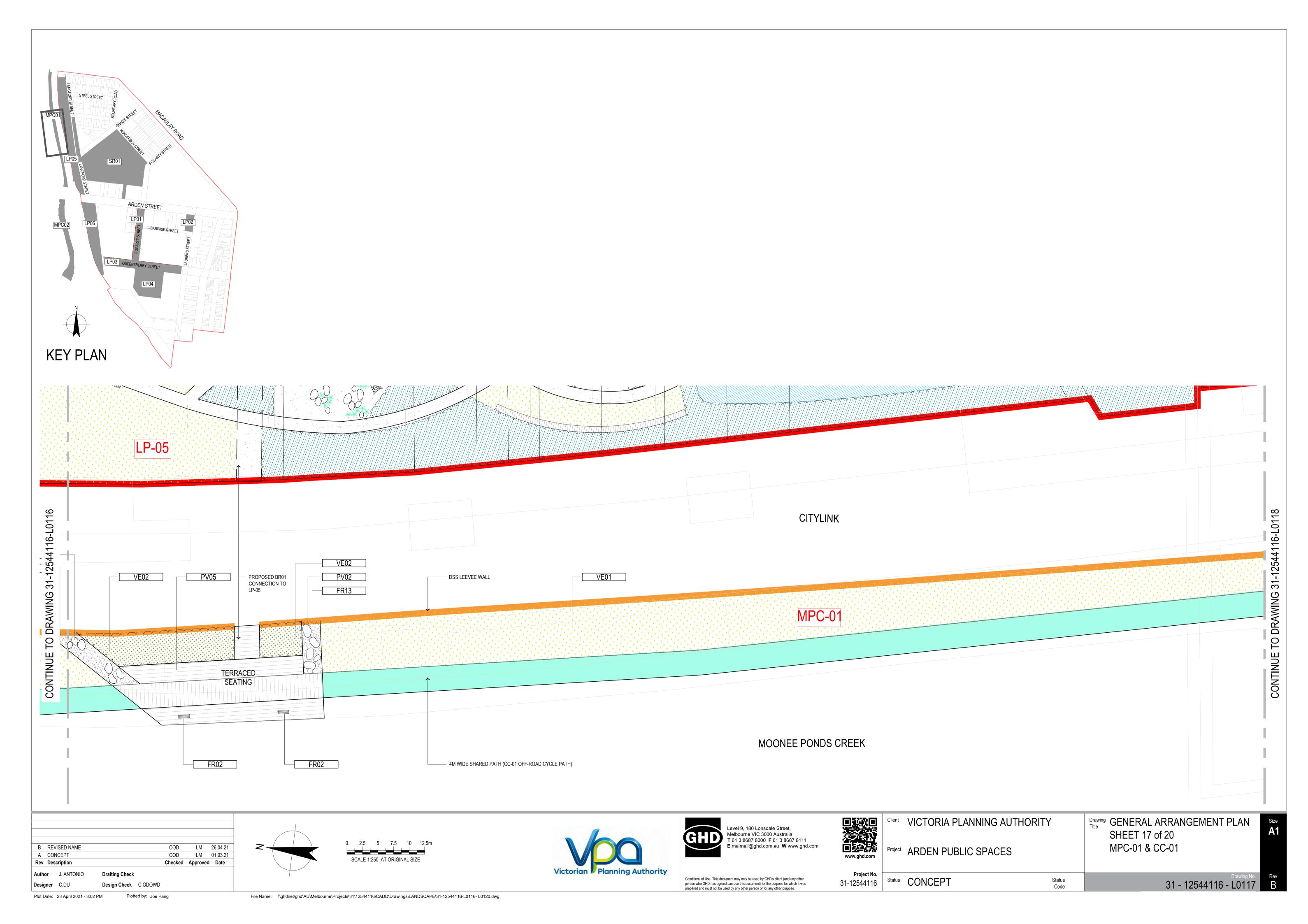
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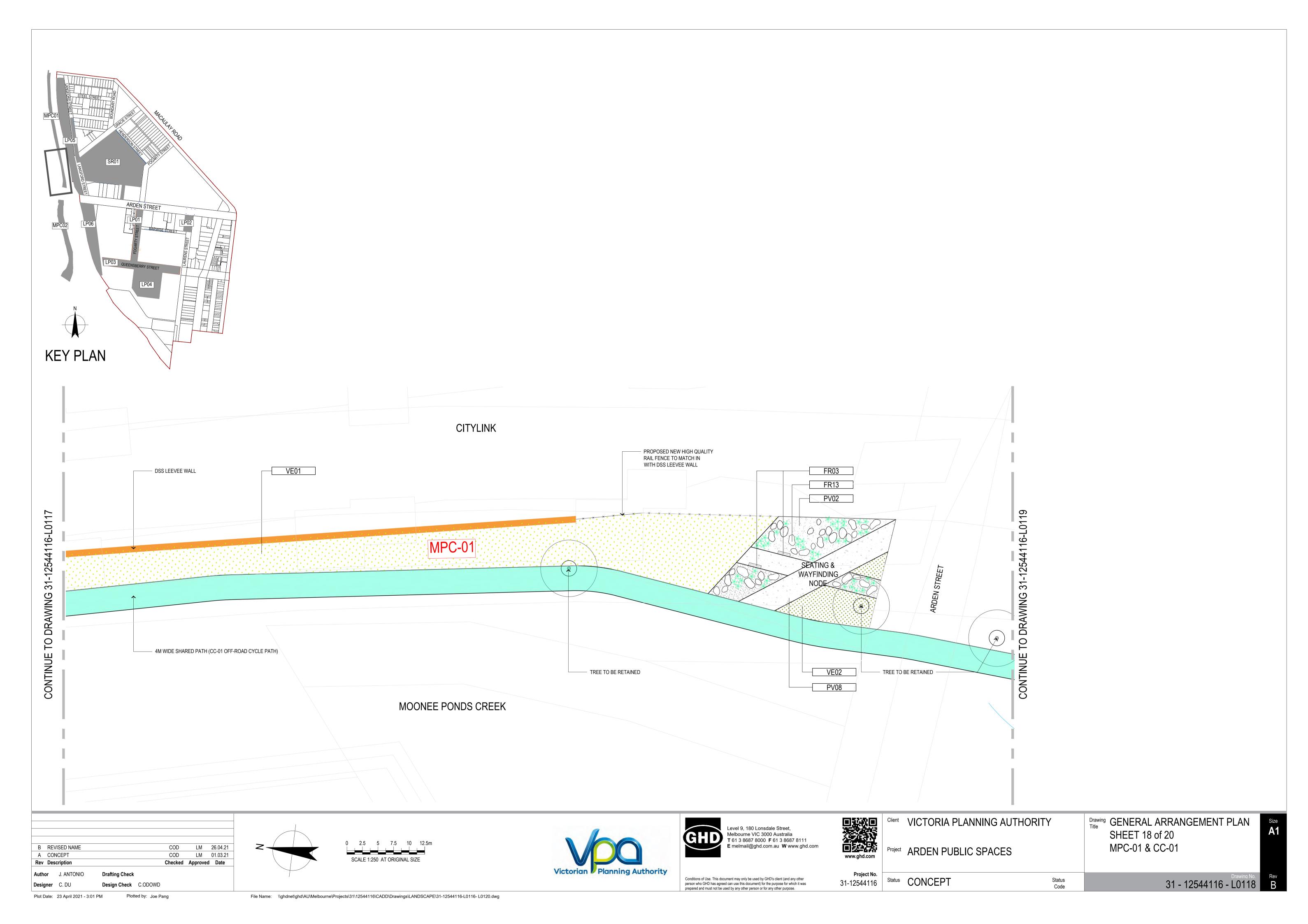
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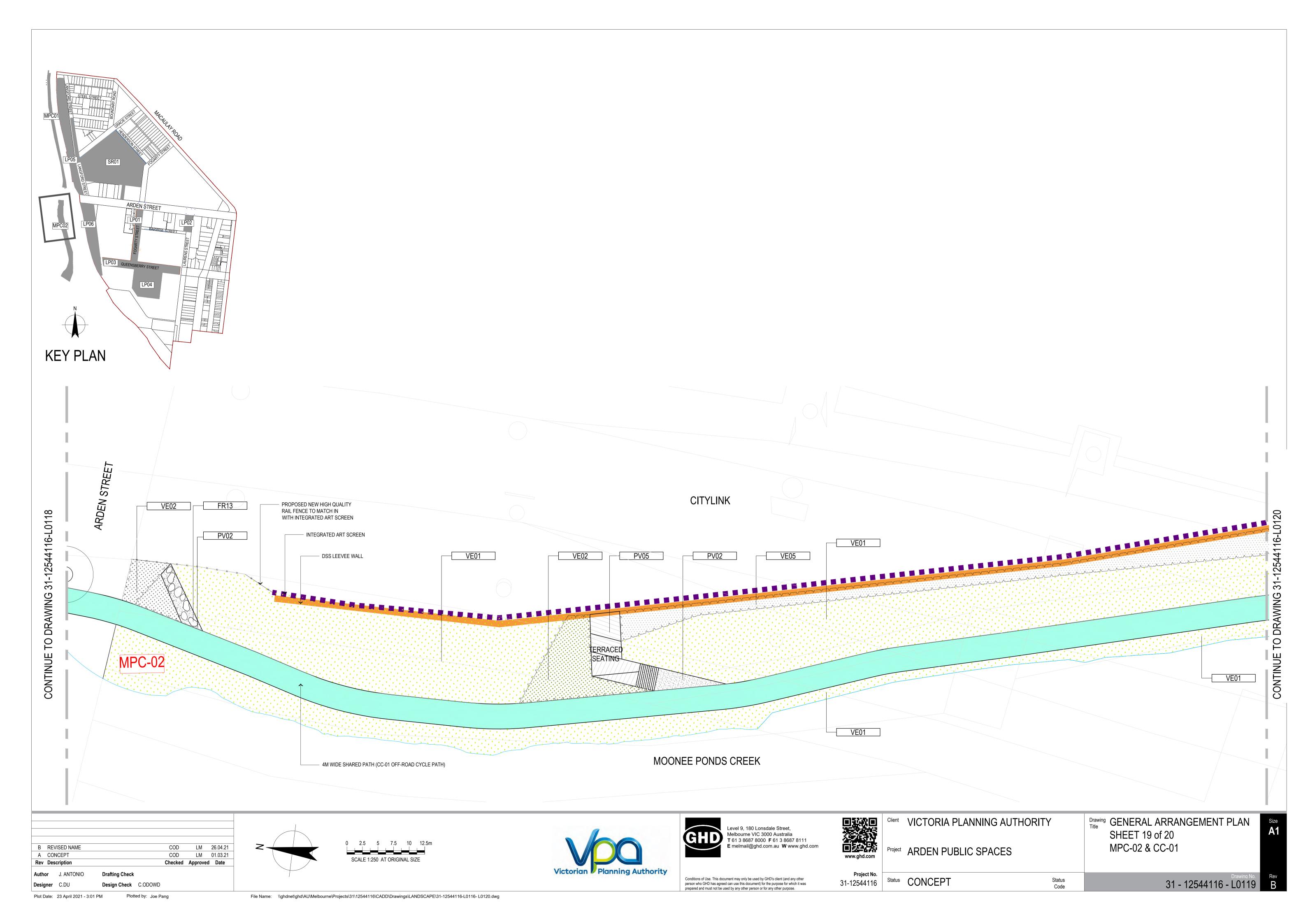
Client	VICTORIA PLANNING AUTHORITY
Project	ARDEN PUBLIC SPACES

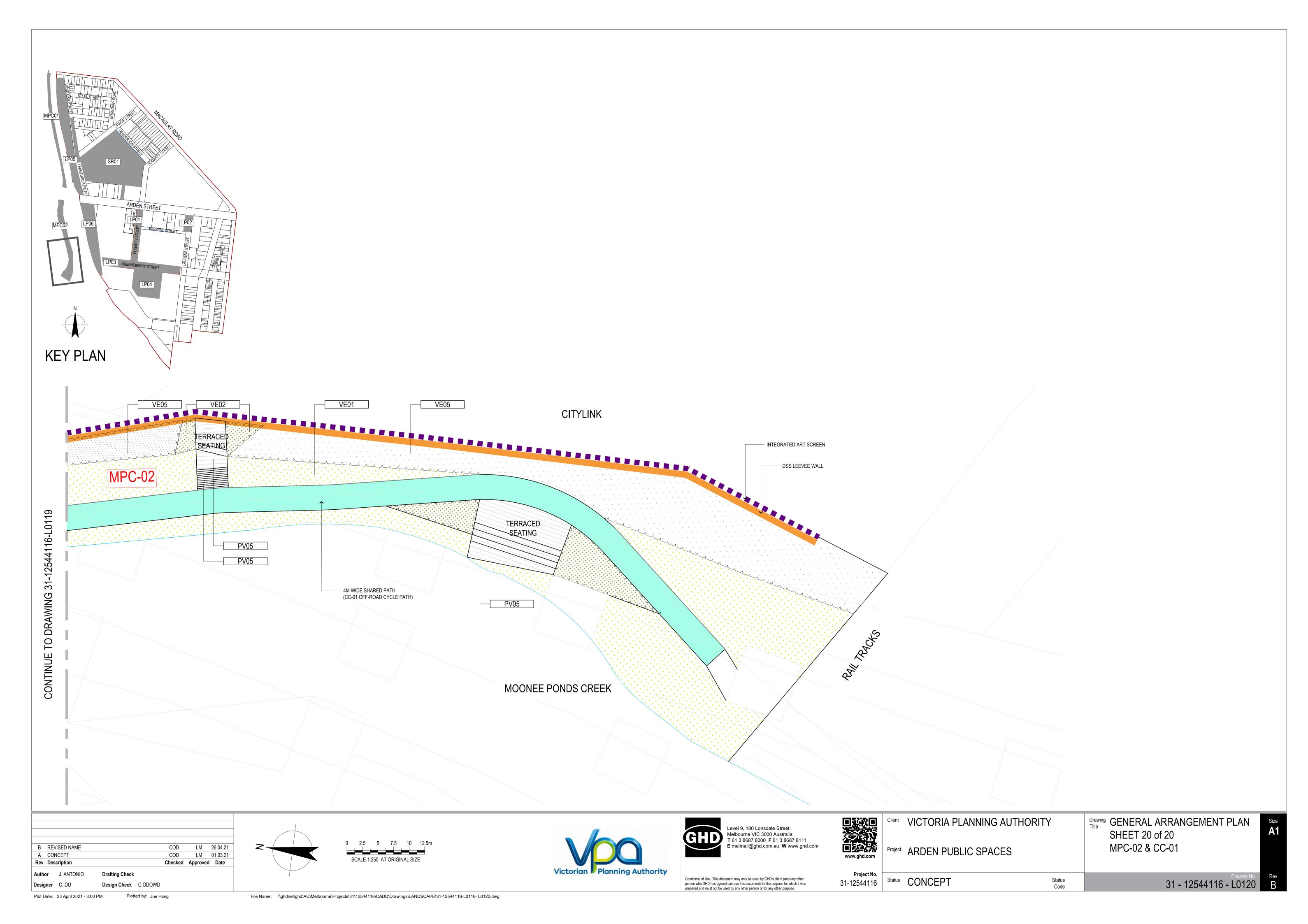
Drawing GENERAL ARRANGEMENT PLAN SHEET 15 of 20 LP04 - ARDEN CENTRAL











Appendix B Cost Estimates

ARDEN PUBLIC SPACES High Level Cost Estimates

Summary

ltem	Description	Amount	m2 Rate
	20001111111	7 1110 4111	
	ROADS	41,276,000	
	INTERSECTIONS	26,307,000	
	OPEN SPACE	62,450,000	
	OTHER_	26,020,100	
	TOTAL ICP	156,053,100	
	Roads	41,276,000	
RD-01	Macaulay Road - Boundary Road (177m of Road)	3,969,000	1,121
RD-02	Boundary Road between Macaulay Road and Henderson Street (108m of Road)	2,317,000	1,073
RD-03	Henderson Street - Gracie to Fogarty (148m)	3,422,000	1,156
RD-04	Fogarty Street - Henderson to Arden (111m)	3,070,000	1,148
RD-05	Arden Street- MPC to Fogarty (94m)	2,415,000	856
RD-06	Arden Street between Fogarty Street and Laurens Street (143m of Road)	3,763,000	877
RD-07	Arden Street - Laurens to Munster (72m)	2,144,000	993
RD-08	Fogarty Street - Arden to Barwise (51m)	1,196,000	664
RD-09	Barwise Street - Fogarty to Laurens (153m)	2,845,000	1,141
RD-10	Laurens Street Barwise to Queensberry (96m)	2,187,000	990
RD-11	Laurens Street - Queensberry to Fogarty (134m)	3,008,000	976
RD-12	Laurens Street - Fogarty to Millar (78m)	2,050,000	1,143
RD-13	Munster Terrace - Arden to Queensberry (182m)	4,393,000	965
RD-14	Munster Terrace - Queensberry to Victoria (184m)	4,497,000	828
	Intersections	26,307,000	
IN-01	Macaulay Road / Boundary Road	2,526,000	966
IN-02	Boundary Road / Henderson Street / Gracie Street	1,583,000	733
IN-03	Fogarty Street / Henderson Street	2,037,000	1,859
IN-04	Fogarty Street / Arden Street	2,974,000	1,022
IN-05	Arden Street / Laurens Street	2,086,000	857
IN-06	Arden Street / Munster Terrace	1,767,000	742
IN-07	Munster Terrace / Queensberry Street	818,000	962
IN-08	Laurens Street / Queensberry Street	1,751,000	872
IN-09	Munster Terrace / Queensberry Street	2,039,000	796
IN-10	Laurens Street / Fogarty Street	1,302,000	976
IN-11	Munster Terrace / Victoria Street	1,380,000	859
IN-12	Laurens Street / Miller Street	1,226,000	918
IN-13	Arden Street / Langford Street	4,818,000	899
	Landscaping	62,450,000	
LP01	Fogarty street	2,949,000	550
LP02	Laurens Street Arden Central Plaza	1,422,000	1,809
LP03	Queensberry Street	8,882,000	999
LP04	Arden Central neighbourhood open space	4,849,000	490
LP05	West Side of Langford Street (North of Arden Street)	10,690,000	656
LP06	Arden North flood storage	7,457,000	617
MPC01&02	Moonee Ponds Creek	2,251,000	207
SR-01	Green Street Lowered with AFL Field	23,950,000	671
	<u>Other</u>	26,020,100	
BR-01	Pedestrian bridge between Chelmsford Street and Straker Street	3,814,500	
CC-02	Western Cycle Path from Laurens Street to Macaulay Road	532,000	
CC-03	North Melbourne Recreation Reserve	267,000	
CC-04	Queensberry Street betweeen Abbotsford and Laurens	203,000	
CC-05	Victoria Street, between Munster and Dryburgh	110,000	
PED-01	Arden Street 100m west of Fogarty	383,000	
Gas Recoating	Recoating and potection slab across precinct	20,710,600	

MORES						
1 Genotification	Item	Description	Quantity	Unit	Rate	Comments
1 Sethboris including disposal m3 225 Assumed 300mm under existing footpath						
1 Sethboris including disposal m3 225 Assumed 300mm under existing footpath						
1 Sethboris including disposal m3 225 Assumed 300mm under existing footpath						
1 Sethboris including disposal m3 225 Assumed 300mm under existing footpath		WORKS				
1.2 Allowance for demotition of existing patchs m2	1					
1.3 Allowance for demolition of anxieting flooglaths 1.4 Allowance to mill existing pathlet load 1.5 Allowance to mill existing pathlet load 1.6 Allowance to the somewhat the state that the value of the state of t				m3		
1.4 Allowance to find incisting aspetial road m2 13 Includes handing over of memoved posts						
1.5 Allocamene to desconnession existing stems lights no 3.125 Includes handing over of removed posts						Includes disposal
Allowance to remotive or desting buildings 10						Includes handing over of removed posts
2 No. Parketent	1.6	Allowance to remove existing street furniture etc.				•
New parwment				m2	50	
2 2 Resistrian Path - m2 135 Allowance to trim subbase and place asphalt - m2 135 Allowance to trim subbase and place asphalt including omigity				2	240	Assumed detail 2 of standard controls novement
23 Sike Path - m2						
3.1 Kerb and Channel - LM 500 Bluestone 3.2 Kerb to centre median - LM 500 Bluestone 3.3 Tacilles 1 1 1 1 1 1 1 1 1						
3.3 Tacilles Item 2,400 Pands Crantle	3	KERB WORKS				
Same						
4.1 Drainage - pipes LM 7.13 450mm on both sides of road			-			
1.1 1711 1				item	2,400	Fanua Granite
4.3 Drainage - Sub-soll drainage Item 150 N/A 4.4 Drainage - Miscollaneous (Description)				LM	713	450mm on both sides of road
A-A Drainage - Miscellaneous (Description)						
S TRAFFIC				Item	150	N/A
Traffic Signals						
5.2 Traffic Safety Item				ltene	200.000	N/A
6 LANDSCAPE No. 250 45L tree. No tree guard assumed 6.1 Trees-pedestrian path No. 1.875 45L tree. No tree guard assumed 6.2 Trees-pedestrian path No. 1.875 45L tree. Including tree guard 7.1 STREET LIGHTING The street Lighting - road No. 12.500 Assumed 4 nos 7.2 Street Lighting - Bike path No. 12.500 at 20m spacing along bike path, includes underground cabling and found 8 UTILITIES B UTILITIES B UTILITIES B Allowance for non-disruptive digging Item 18.750 Allowance for NDD 2 shifts No. 2.500 Allowance for NDD 2 shifts No. 2.500 No. 2.500 Allowance for NDD 2 shifts No. 2.500 No. 2.500 Allowance for NDD 2 shifts No. 2.500 Allowance for NDD 2 shifts Allowance for NDD 2 shifts No. 2.500 Allowance for NDD 2 shifts No. 2.500 Allowance for NDD 2 shifts No. 2.500 Allowance for NDD 2 shifts 3.500 No. 2.500 <					200,000	IN/A
1,875 45L tree including free guard 1,875 45L tree including free guard 1,875 45L tree including free guard 1,875 45L tree including garden bed 1,87				itom		
8.3 Landscaping - centre median m2 75 allow for native shrubs/ grass including garden bed		Trees -centre median		No.		
T						
7.1 Street Lighting - road				m2	75	allow for native shrubs/ grass including garden bed
7.2 Street Lighting - Bike path				No	12 500	Assumed 4 nos
8. UTILITIES						at 20m spacing along bike path, includes underground cabling and foundations
8.1 Allowance for non-disruptive digging Item 18,750 Allowance for NDD 2 shifts	7.3			m		1 0 0 1 1
8.2 New water						
8.3 New sewer						
8.4 New telco						
8.5 New gas						ZZONIA
8.7 Relocate Telco m 625 8.8 Relocate Water m 375 8.9 Protect utilities (Provisional Sum) PS 50,000 8.10 Gas Transmission m 10,000 9 MISCELLANEOUS m 10,000 9.1 Line marking ltem 5,000 9.2 Regulatory Signage no 750 no. of signs assumed 9.3 Works maintenance – up to 1 year ltem 5,000 Excluded 9.4 Landscape maintenance – 1yr/2 summers ltem 7,500 Excluded 9.5 Traffic signals 10 year Maintenance Fee ltem 80,000 Excluded 9.6 Street Furniture L.M 95 includes bins and bike hoops 12 DELIVERY 3% 10.1						
8.8 Relocate Water m 375 8.9 Protect utilities (Provisional Sum) PS 50,000 9.1 Gas Transmission m 10,000 9.1 Line marking ltem 5,000 9.2 Regulatory Signage no 750 no. of signs assumed 9.3 Works maintenance – up to 1 year ltem 5,000 Excluded 9.4 Landscape maintenance – 1yr/2 summers ltem 7,500 Excluded 9.5 Traffic signals 10 year Maintenance Fee ltem 80,000 Excluded 9.5 Traffic signals 10 year Maintenance Fee ltem 80,000 Excluded 9.5 Traffic signals 10 year Maintenance Fee ltem 80,000 Excluded 9.5 Traffic signals 10 year Maintenance Fee ltem 80,000 Excluded 9.6 Street Furniture LM 95 Includes bins and bike hoops 12. DELIVERY 3% 1 12.1 Conncil Fees % 1% 7%						
8.9 Protect utilities (Provisional Sum) PS 50,000 Provisional Sum						
8.10 Gas Transmission m 10,000 9						Provisional Sum
9						i rovisional Sum
9.1 Line marking					.0,500	
9.3 Works maintenance – up to 1 year Item 5,000 Excluded 9.4 Landscape maintenance – 1yri2 summers Item 7,500 Excluded 9.5 Traffic signals 10 year Maintenance Fee Item 80,000 9.6 Street Furniture LM 95 Includes bins and bike hoops		Line marking				
9.4						
9.5 Traffic signals 10 year Maintenance Fee Item 80,000 9.6 Street Furniture LM 95 Includes bins and bike hoops						
Sub-total works						LAGIGUEU
SUB-TOTAL WORKS 12 DELIVERY 12.1 Council Fees % 3% 1% 12.2 Other Authority Fees % 1% 1% 176						Includes bins and bike hoops
12.1 Council Fees						
12.2 Other Authority Fees % 1% 12.3 Traffic Management % 7% 12.4 Environmental Management % 0.5% 12.5 Survey/Design % 5% 12.6 Supervision/Project Management % 9% 12.7 Site Establishment % 2.5% 12.8 Contingency % 20% SUB-TOTAL DELIVERY						
12.3 Traffic Management % 7% 12.4 Environmental Management % 0.5% 12.5 Survey/Design % 5% 12.6 Supervision/Project Management % 9% 12.7 Site Establishment % 2.5% 12.8 Contingency % 20% SUB-TOTAL DELIVERY						
12.4 Environmental Management						
12.5 Survey/Design % 5% 12.6 Supervision/Project Management % 9% 12.7 Site Establishment % 2.5% 12.8 Contingency % 20% SUB-TOTAL DELIVERY						
12.6 Supervision/Project Management % 9% 12.7 Site Establishment % 2.5% 12.8 Contingency % 20% SUB-TOTAL DELIVERY						
12.8 Contingency % 20% SUB-TOTAL DELIVERY	12.6	Supervision/Project Management		%	9%	
SUB-TOTAL DELIVERY						
	12.8			%	20%	
13 TOTAL ESTIMATED COST		SUB-TOTAL DELIVERY				
13 IUTAL ESTIMATED COST	40	TOTAL FORMATER COOP				
<u> </u>	13	TOTAL ESTIMATED COST				



Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	966	m3	225	217,445	Allowed for excavation and disposal. Assumed 300mm under existing road and
1.2	Allowance for demolition of existing kerbs	354	m	81	28 674	includes disposal of Cat C Includes disposal
1.3	Allowance for demolition of existing footpaths	885	m2	56	49,560	
1.4	Allowance to mill existing asphalt road		m2	13	.,	'
1.5	Allowance to decommision existing street lights	10	no	3,125	31,250	Includes handing over the removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250		Includes bins, seats, drink fountains, assumed existing trees remain
1.7	Allowance for demolition of existing buildings		m2	50	-	No scope assumed
2	ROAD PAVEMENT	4.007		242	000.000	
2.1	New pavement - 3.1m x 2 transport lanes Pedestrian Path - 3.8m x 2	1,097 1,345	m2 m2	240 135		Assumed detail 2 of standard asphalt pavement Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path - 2.2m x 2	779	m2	135	105,138	Allowance to trim subbase and place 110mm of coloured asphalt
3	KERB WORKS					·
3.1	Kerb and Channel	354	LM	813		300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median	354	LM	500		300x300 Bluestone
3.3	Tactiles DRAINAGE	6	Item	2,400	14,400	Panda Granite
4.1	Drainage - pipes	354	LM	713	252 402	450mm on both sides of road
4.2	Drainage - pipes Drainage - pits	8	No.	3,750		At 50m intervals
4.3	Drainage – Sub-soil drainage	354	LM	150	53,100	
4.4	Drainage – Miscellaneous (Description)		Item	-	-	N/A
5	TRAFFIC		14	200 000		Evolveded
5.1 5.2	Traffic Signals Traffic Safety		Item Item	200,000		Excluded Excluded
6	LANDSCAPE		item			Ladiadea
6.1	Trees -centre median	18	No.	250	4,425	45L tree. No tree guard assumed
6.2	Trees -pedestrian path	35	No.	1,875		45L tree including tree guard and passive irrigation WSUD elements
6.3	Landscaping - centre median	212	m2	75	15,930	allow for native shrubs/ grass including garden bed
7.1	STREET LIGHTING Street Lighting	9	No.	12,500	110.625	at 20m spacing along, includes underground cabling and foundations
7.1	Bike Path Lighting	<u> </u>	No.	12,500	110,023	at 2011 spacing along, includes underground cabling and loundations
7.3	Conduits	354	m	1,250	442,500	Including trenching
8	UTILITIES					
	Allowance for non-disruptive digging	2	Item	18,750	37,500	Allowance for NDD 2 shifts
8.2 8.3	New water New sewer		m m	355 805	-	225mm dia 300mm dia
8.4	New telco		m	75	-	2x100mm conduits
8.5	New gas		PS	10,000	-	
8.6	Relocate Gas	144	m	563	81,000	
8.7	Relocate Telco	147	m	625	91,875	
8.8 8.9	Relocate Water Protect utilities (Provisional Sum)	144	m PS	375 50,000	54,000 50,000	
8.10	Gas Transmission		m	10,000	-	
9	MISCELLANEOUS					
9.1	Line marking	1	Item	5,000	5,000	
9.2	Regulatory Signage	10	No.	750		no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year Landscape maintenance – 1yr/2 summers	1	Item Item	5,000 7,500	5,000 7,500	
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000	- ,300	Not in scope
9.6	Street Furniture	177	LM	95	16,815	Includes bins and bike hoops
	SUB-TOTAL WORKS				2,677,000	
	DELIVERY Council Food	3.25	0/		87,000	
12.1	Council Fees Other Authority Fees	3.25	%		26,800	
12.3	Traffic Management	7	%		187,400	
12.4	Environmental Management	0.5	%	<u> </u>	13,400	
12.5	Survey/Design	5	%		133,900	
12.6	Supervision/Project Management	9	%		240,900	
12.7 12.8	Site Establishment Contingency	2.5 20	%		66,900 535,400	
12.0	SUB-TOTAL DELIVERY	20	70		1,292,000	
					,	
13	TOTAL ESTIMATED COST		-		3,969,000	
					-,,,	



RD-02 Boundary Road - Macaulay Road to Henderson Street

Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	632	m3	225	142,155	Allowed for excavation and disposal. Assumed 300mm under existing road and
	Allowance for demolition of existing kerbs	166	m	81	13,446	includes disposal of Cat C Includes disposal
	Allowance for demolition of existing footpaths	415	m2	56		Includes disposal
1.4	Allowance to mill existing asphalt road		m2	13		
	Allowance to decommision existing street lights	6	no	3,125	18,750	Includes handing over the removed posts
	Allowance to remove existing street furniture etc. Allowance for demolition of existing buildings	1	item	6,250 50	6,250	Includes bins, seats, drink fountains, assumed existing trees remain
	ROAD PAVEMENT		m2	50		
	New pavement - 3.5m x 2 transport lanes	756	m2	240	181,440	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path - 4.25m x 2	918	m2	135	123,930	Allowance to trim subbase and place 110mm of coloured asphalt
	Bike Path - 2m x 2	432	m2	135	58,320	Allowance to trim subbase and place 110mm of coloured asphalt
	KERB WORKS	216	LM	012	17E 600	200v200 Bluestone with 250 gutterstone
	Kerb and Channel Kerb to centre median	216	LM LM	813 500		300x300 Bluestone with 250 gutterstone 300x300 Bluestone
	Tactiles	6	Item	2,400	14,400	
4	DRAINAGE			-	•	
	Drainage - pipes	216	LM	713		450mm on both sides of road
	Drainage - pits	5	No. LM	3,750		At 50m intervals
	Drainage – Sub-soil drainage Drainage – Miscellaneous (Description)	216	Item	150	32,400	N/A
	TRAFFIC		item			IVA
	Traffic Signals		Item	200,000	-	Excluded
5.1	Traffic Safety		Item	-	-	Excluded
6	LANDSCAPE			050		
6.1	Trees -centre median Trees -pedestrian path	8 16	No. No.	250 1,875		45L tree. No tree guard assumed 45L tree including tree guard and passive irrigation WSUD elements
6.3	Landscaping - centre median	10	m2	75	30,000	43E tree including tree guard and passive imgation vv30D elements
	STREET LIGHTING					
7.1	Street Lighting	4	No.	12,500	50,000	at 40m spacing along, includes underground cabling and foundations (provisional
	Bike Path Lighting		No.	12,500		sum)
	Conduits	216	m	1,250	270,000	Including trenching
	UTILITIES	-		, , , ,	.,,	3 3
	Allowance for non-disruptive digging	2	Item	18,750	37,500	Allowance for NDD 2 shifts
	New water		m	355	-	225mm dia
	New sewer New telco		m m	805 75		300mm dia 2x100mm conduits
	New gas		PS	10,000		2X TOOMIN CONQUES
	Relocate Gas		m	563	-	
	Relocate Telco		m	625	-	
	Relocate Water	83	m	375	31,125	
8.9 8.10	Protect utilities (Provisional Sum) Gas Transmission	1	PS m	50,000 10,000	50,000	
	MISCELLANEOUS		-111	10,000		
9.1	Line marking	1	Item	5,000	5,000	
	Regulatory Signage	6	no	750		no. of pole mounted signs assumed
	Works maintenance – up to 1 year	1	Item	5,000	5,000	
9.4 9.5	Landscape maintenance – 1yr/2 summers Traffic signals 10 year Maintenance Fee	1	Item Item	7,500 80,000	7,500	Not in scope
	Street Furniture	108	LM	95	10,260	Includes bins and bike hoops
	SUB-TOTAL WORKS				1,563,000	'
12	DELIVERY					
	Council Fees	3.25	%		50,800	
12.2 12.3	Other Authority Fees Traffic Management	7	%	+	15,600 109,400	
12.3	Environmental Management	0.5	%	+ + +	7,800	
12.5	Survey/Design	5	%		78,200	_
12.6	Supervision/Project Management	9	%		140,700	
12.7	Site Establishment	2.5	%		39,100	
12.8	Contingency SUB-TOTAL DELIVERY	20	%		312,600 754,000	
	SUB-TOTAL DELIVERY				1 54,000	
11	TOTAL ESTIMATED COST				2,317,000	
11	TOTAL ESTIMATED COST				2,317,000	



RD-03 Hende	erson Street	- Gracie	to I	Fogarty
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16.	Dt	0	11-4		A	0
Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	866	m3	225	194,805	Allowed for excavation and disposal. Assumed 300mm under existing road and
1.2	Allowance for demolition of existing kerbs	296		81		includes disposal of Cat C Includes disposal
1.3	Allowance for demolition of existing kerbs Allowance for demolition of existing footpaths	740	m m2	56	23,976	Includes disposal
1.4	Allowance to mill existing asphalt road	7.10	m2	13	11,110	modeco diopoda
1.5	Allowance to decommision existing street lights	10	no	3,125		Includes handing over the removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250	6,250	Includes bins, seats, drink fountains, assumed existing trees remain
1.7	Allowance for demolition of existing buildings ROAD PAVEMENT		m2	50	-	No scope assumed
2.1	New pavement - 3.5m x 2 transport lanes	1,036	m2	240	248 640	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path - 4.25m x 2	1,258	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path - 2m x 2	592	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
3	KERB WORKS					
3.1	Kerb and Channel	296	LM	813		300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median Tactiles	296 6	LM Item	500 2,400		300x300 Bluestone Panda Granite
4	DRAINAGE	0	IICIII	2,400	14,400	1 and Granic
4.1	Drainage - pipes	296	LM	713	211,048	450mm on both sides of road
4.2	Drainage - pits	6	No.	3,750	22,500	At 50m intervals
4.3	Drainage – Sub-soil drainage	296	LM	150	44,400	
4.4	Drainage – Miscellaneous (Description)		Item	-	-	N/A
5 .1	TRAFFIC Traffic Signals		Item	200,000		Excluded
5.2	Traffic Safety		Item	200,000	-	Excluded
6	LANDSCAPE					
6.1	Trees -centre median	15	No.	250	3,700	45L tree. No tree guard assumed
6.2	Trees -pedestrian path	30	No.	1,875		45L tree including tree guard and passive irrigation WSUD elements
6.3	Landscaping - centre median STREET LIGHTING	178	m2	75	13,320	allow for native shrubs/ grass including garden bed
7						at 40m spacing along, includes underground cabling and foundations (provisiona
7.1	Street Lighting	8	No.	12,500	100,000	sum)
7.2	Bike Path Lighting		No.	12,500		
7.3	Conduits	296	m	1,250	370,000	Including trenching
8 8.1	UTILITIES Allowance for non-disruptive digging	2	Item	18,750	37 500	Allowance for NDD 2 shifts
8.2	New water		m	355	37,300	225mm dia
8.3	New sewer		m	805	-	300mm dia
8.4	New telco		m	75		2x100mm conduits
8.5	New gas		PS	10,000	-	
8.6	Relocate Gas Relocate Telco	148 148	m m	563 625	83,250 92,500	
8.8	Relocate Vater	140	m	375	92,500	
8.9	Protect utilities (Provisional Sum)	1	PS	50,000	50,000	
8.10	Gas Transmission		m	10,000	-	
9	MISCELLANEOUS					
9.1	Line marking	1 10	Item No.	5,000 750	5,000	no of note mounted signs assumed
9.2	Regulatory Signage Works maintenance – up to 1 year	10	No. Item	5.000	7,500 5.000	no. of pole mounted signs assumed
9.3	Landscape maintenance – up to 1 year Landscape maintenance – 1yr/2 summers	1	Item	7,500	7,500	
9.5	Traffic signals 10 year Maintenance Fee	·	Item	80,000		Not in scope
9.6	Street Furniture	148	LM	95	14,060	Includes bins and bike hoops
	SUB-TOTAL WORKS				2,308,000	
12 12.1	DELIVERY Council Fees	3.25	%		75,000	
12.1	Other Authority Fees	3.25	%		23,100	
12.3	Traffic Management	7	%		161,600	
12.4	Environmental Management	0.5	%		11,500	
12.5	Survey/Design	5	%		115,400	
12.6	Supervision/Project Management	9	%		207,700	
12.7 12.8	Site Establishment	2.5 20	%		57,700 461,600	
12.0	Contingency SUB-TOTAL DELIVERY	20	70		1,114,000	
	SSS 1517E DELIVERY				.,,,000	
13	TOTAL ESTIMATED COST				3,422,000	
10					3,422,000	



RD-04 Fogarty Street - Henderson to Arden

Item	Description	Quantity	Unit	Rate	Amount	Comments
1	WORKS					
	DEMOLITION					Allowed for excavation and disposal. Assumed 300mm under existing road and
1.1	Earthworks including disposal	649	m3	225	146,104	includes disposal of Cat C
1.2	Allowance for demolition of existing kerbs	222	m	81	17,982	Includes disposal
1.3	Allowance for demolition of existing footpaths	555	m2	56	31,080	Includes disposal
1.4	Allowance to mill existing asphalt road		m2	13		
1.5	Allowance to decommision existing street lights	10	no	3,125		Includes handing over the removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250		Includes bins, seats, drink fountains, assumed existing trees remain
1.7	Allowance for demolition of existing buildings		m2	50	-	No scope assumed
2.1	ROAD PAVEMENT	777	0	240	400 400	Assumed detail 2 of standard asphalt pavement
2.1	New pavement - 3.5m x 2 transport lanes Pedestrian Path - 4.25m x 2	944	m2 m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
2.2	Bike Path - 2m x 2	444	m2	135		Allowance to trim subbase and place 110mm of coloured aspiralt
3	KERB WORKS	444	1112	133	55,540	r mortaneo to anni sappaso ana piaco i formini di colorica aspirati
3.1	Kerb and Channel	222	LM	813	180.486	300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median	222	LM	500		300x300 Bluestone
3.3	Tactiles	6	Item	2,400	14,400	Panda Granite
4	DRAINAGE			-		
4.1	Drainage - pipes	222	LM	713		450mm on both sides of road
4.2	Drainage - pits	5	No.	3,750		At 50m intervals
4.3	Drainage – Sub-soil drainage	222	LM	150	33,300	
4.4	Drainage – Miscellaneous (Description)		Item	-	-	N/A
5	TRAFFIC			000.000		
5.1	Traffic Signals		Item	200,000	-	Excluded
5.2 6	Traffic Safety LANDSCAPE		Item	-	-	Excluded
6.1	Trees -centre median	11	No.	250	2 775	45L tree. No tree guard assumed
6.2	Trees -pedestrian path	22	No.	1,875		45L tree including tree guard and passive irrigation WSUD elements
6.3	Landscaping - centre median	133	m2	75		allow for native shrubs/ grass including garden bed
7	STREET LIGHTING				-,,,,,	gg
7.1	Street Lighting	8	No.	12,500	100,000	at 40m spacing along, includes underground cabling and foundations
7.2	Bike Path Lighting		No.	12,500		
7.3	Conduits	222	m	1,250	277,500	Including trenching
8	UTILITIES					
8.1	Allowance for non-disruptive digging	2	Item	18,750		Allowance for NDD 2 shifts
8.2	New water		m	355		225mm dia
8.3 8.4	New sewer New telco		m m	805 75		300mm dia 2x100mm conduits
8.5	New gas		PS	10,000		2x roomin conduits
8.6	Relocate Gas		m	563		
8.7	Relocate Telco	86		625	53,750	
8.8	Relocate Water	-	m	375	-	
8.9	Protect utilities (Provisional Sum)	1	PS	50,000	50,000	
8.10	Gas Transmission	35	m	10,000	350,000	Coating and protection slab only
9	MISCELLANEOUS					
9.1	Line marking	1	Item	5,000	5,000	
9.2	Regulatory Signage	10	No.	750		no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year	1	Item	5,000	5,000	
9.4	Landscape maintenance – 1yr/2 summers	1	Item	7,500	7,500	Not in coope
9.5 9.6	Traffic signals 10 year Maintenance Fee Street Furniture	111	Item LM	80,000 95	10,545	Not in scope Includes bins and bike hoops
9.6	SUB-TOTAL WORKS		LM	95	10,545 2,071,000	moduces ones and pike noops
12	DELIVERY SUB-TOTAL WORKS				2,011,000	
12.1	Council Fees	3.25	%		67,300	
12.2	Other Authority Fees	1	%		20,700	
12.3	Traffic Management	7	%		145,000	
12.4	Environmental Management	0.5	%		10,400	
12.5	Survey/Design	5	%		103,600	
12.6	Supervision/Project Management	9	%		186,400	
12.7	Site Establishment	2.5	%		51,800	
1 12 0					414 200	

3,070,000



SUB-TOTAL DELIVERY

TOTAL ESTIMATED COST

RD-05 Arden Street- MPC to Fogarty

Item	Description	Quantity	Unit	Rate	Amount	Comments
iteiii	Description	Quantity	Offic	Nate	Aillount	Comments
	<u>WORKS</u>					
1	DEMOLITION					All and for any of the second discount of the second of th
1.1	Earthworks including disposal	705	m3	225	158,625	Allowed for excavation and disposal. Assumed 300mm under existing road and includes disposal of Cat C
1.2	Allowance for demolition of existing kerbs	188	m	81	15,228	Includes disposal
1.3	Allowance for demolition of existing footpaths	470	m2	56	26,320	Includes disposal
1.4	Allowance to mill existing asphalt road Allowance to decommision existing street lights	10	m2	13 3,125	24.250	Includes handing ever the removed neets
1.6	Allowance to decommision existing street lights Allowance to remove existing street furniture etc.	10	no item	6,250		Includes handing over the removed posts Includes bins, seats, drink fountains, assumed existing trees remain
1.7	Allowance for demolition of existing buildings		m2	50		No scope assumed
2	ROAD PAVEMENT					
2.1	New pavement - 3.5m x 2 transport + 2.2 dropoff	865	m2	240		Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path - 5.5m x 2	1,034 451	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
2.3 3	Bike Path - 2.4m x 2 KERB WORKS	451	m2	135	00,912	Allowance to trim subbase and place 110mm of coloured asphalt
3.1	Kerb and Channel	188	LM	813	152,844	300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median	-	LM	500	-	300x300 Bluestone
3.3	Tactiles	6	Item	2,400	14,400	Panda Granite
4	DRAINAGE	100	LM	713	124.044	450mm on both sides of road
4.1	Drainage - pipes Drainage - pits	188	LM No.	3,750	134,044	450mm on both sides of road At 50m intervals
4.3	Drainage – Sub-soil drainage	188	LM	150	28,200	N/A
4.4	Drainage – Miscellaneous (Description)	367	m2	300		Cloudburst includes excavation and disposal, low level planting.
5	TRAFFIC			-		
5.1	Traffic Signals		Item	200,000	-	Excluded
5.2 6	Traffic Safety LANDSCAPE		Item	-		Excluded
6.1	Trees -centre median	9	No.	250	2,350	45L tree. No tree guard assumed
6.2	Trees -pedestrian path	19	No.	1,875	35,250	45L tree including tree guard and passive irrigation WSUD elements
6.3	Landscaping - centre median	113	m2	75	8,460	allow for native shrubs/ grass including garden bed
7	STREET LIGHTING					at 40m anaging plans, includes underground publing and foundations (provisional
7.1	Street Lighting	8	No.	12,500	100,000	at 40m spacing along, includes underground cabling and foundations (provisional sum)
7.2	Bike Path Lighting		No.	12,500		,
7.3	Conduits	188	m	1,250	235,000	Including trenching
8 8.1	UTILITIES	2	Item	18,750	27 500	Allowance for NDD 2 shifts
8.2	Allowance for non-disruptive digging New water		m	355	37,500	225mm dia
8.3	New sewer		m	805		300mm dia
8.4	New telco		m	75		2x100mm conduits
8.5	New gas		PS	10,000	-	
8.6 8.7	Relocate Gas Relocate Telco		m	563 625	-	
8.8	Relocate Water	94	m m	375	35,250	
8.9	Protect utilities (Provisional Sum)	1	PS	50,000	50,000	
8.10	Gas Transmission		m	10,000	-	
9	MISCELLANEOUS					
9.1	Line marking Regulatory Signage	1 10	Item No.	5,000 750	5,000 7,500	no. of pole mounted signs assumed
9.2	Works maintenance – up to 1 year	10	Item	5,000	5,000	no. or pole mounted signs assumed
9.4	Landscape maintenance – 1yr/2 summers	1	Item	7,500	7,500	
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000	-	Not in scope
9.6	Street Furniture	94	LM	95	8,930	Includes bins and bike hoops
12	SUB-TOTAL WORKS DELIVERY				1,629,000	
12.1	Council Fees	3.25	%		52,900	
12.2	Other Authority Fees	1	%		16,300	
12.3	Traffic Management	7	%		114,000	
12.4 12.5	Environmental Management	0.5	%		8,100 81,500	
12.5	Survey/Design Supervision/Project Management	9	%		81,500 146,600	
12.7	Site Establishment	2.5	%		40,700	
12.8	Contingency	20	%		325,800	
	SUB-TOTAL DELIVERY		-		786,000	
13	TOTAL ESTIMATED COST				2,415,000	



RD-06 Arden Street - Fogarty to Laurens

Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	1,236	m3	225	277,992	Allowed for excavation and disposal. Assumed 300mm under existing road and
						includes disposal of Cat C
1.2	Allowance for demolition of existing kerbs Allowance for demolition of existing footpaths	286 1,001	m m2	81 56	23,166	Includes disposal Includes disposal
1.4	Allowance to mill existing asphalt road	1,001	m2	13	30,030	includes disposal
1.5	Allowance to decommision existing street lights	17	no	3,125	53,125	Includes handing over the removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250	6,250	Includes bins, seats, drink fountains, assumed existing trees remain
1.7	Allowance for demolition of existing buildings		m2	50		
2.1	ROAD PAVEMENT New pavement - 6.5m x 2 transport lanes	1,859	m2	240	446 160	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path - 5.5m x 2	1,573	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path - 2.4m x 2	686	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
3	KERB WORKS					
3.1	Kerb and Channel	286	LM	813		300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median Tactiles	286 6	LM Item	500 2,400		300x300 Bluestone Panda Granite
4	DRAINAGE	6	IICIII	2,400	14,400	1 and Granic
4.1	Drainage - pipes	286	LM	713	203,918	450mm on both sides of road
4.2	Drainage - pits	6	No.	3,750	22,500	At 50m intervals
4.3	Drainage – Sub-soil drainage	286	LM	150	42,900	
4.4	Drainage – Miscellaneous (Description)		Item	-		N/A
5 5.1	TRAFFIC Traffic Signals		Item	200,000		Excluded
5.1	Traffic Safety		Item	-		Excluded
6	LANDSCAPE			-		
6.1	Trees -centre median	-	No.	250		45L tree. No tree guard assumed
6.2	Trees -pedestrian path	28	No.	1,875 75	52,500	45L tree including tree guard and passive irrigation WSUD elements
6.3 7	Landscaping - centre median STREET LIGHTING		m2		-	
7.1	Street Lighting	8	No.	12,500	100,000	at 40m spacing along, includes underground cabling and foundations
7.2	Bike Path Lighting		No.	12,500		
7.3	Conduits	286	m	1,250	357,500	Including trenching
8	UTILITIES		14	40.750	27.500	Allewan for NDD Carliffe
8.1 8.2	Allowance for non-disruptive digging New water	2	Item m	18,750 355	37,500	Allowance for NDD 2 shifts 225mm dia
8.3	New sewer		m	805		300mm dia
8.4	New telco		m	75	-	2x100mm conduits
8.5	New gas		PS	10,000		
8.6	Relocate Gas	440	m	563		
8.7 8.8	Relocate Telco Relocate Water	142	m m	625 375	88,750	
8.9	Protect utilities (Provisional Sum)	1	PS	50,000	50,000	
8.10	Gas Transmission		m	10,000	-	
9	MISCELLANEOUS					
9.1	Line marking	1 10	Item	5,000	5,000	no of pole mounted signs assumed
9.2	Regulatory Signage Works maintenance – up to 1 year	10	no Item	750 5,000	7,500 5,000	no. of pole mounted signs assumed
9.4	Landscape maintenance – 1yr/2 summers	1	Item	7,500	7,500	
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000	-	Not in scope
9.6	Street Furniture	143	LM	95		Includes bins and bike hoops
12	SUB-TOTAL WORKS DELIVERY				2,538,000	
12.1	Council Fees	3.25	%	1	82,500	
12.2	Other Authority Fees	1	%		25,400	
12.3	Traffic Management	7	%		177,700	
12.4	Environmental Management	0.5	%		12,700	
12.5 12.6	Survey/Design	5	%		126,900 228,400	
12.6	Supervision/Project Management Site Establishment	2.5	%	+	63,500	
12.8	Contingency	20	%	 	507,600	
	SUB-TOTAL DELIVERY				1,225,000	
			-			
11	TOTAL ESTIMATED COST				3,763,000	
				1	-,,	



RD-07 Arden Street - Laurens to Munster

Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	622	m3	225	139,968	Allowed for excavation and disposal. Assumed 300mm under existing road and includes disposal of Cat C
1.2	Allowance for demolition of existing kerbs	144	m	81		Includes disposal
1.3	Allowance for demolition of existing footpaths	504	m2	56	28,224	Includes disposal
1.4	Allowance to mill existing asphalt road Allowance to decommision existing street lights	17	m2 no	13 3,125	53.125	Includes handing over the removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250		Includes bins, seats, drink fountains, assumed existing trees remain
1.7	Allowance for demolition of existing buildings		m2	50		
2.1	ROAD PAVEMENT New pavement - 6.5m x 2 transport lanes	936	m2	240	224 640	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path - 5.5m x 2	792	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path - 2.4m x 2	346	m2	135	46,656	Allowance to trim subbase and place 110mm of coloured asphalt
3.1	KERB WORKS Kerb and Channel	144	LM	813	117.072	300x300 Bluestone with 250 gutterstone
3.1	Kerb to centre median	144	LM	500		300x300 Bluestone
3.3	Tactiles	6	Item	2,400	14,400	Panda Granite
4 4.1	DRAINAGE	144	LM	713	100.070	450mm on both sides of road
4.1	Drainage - pipes Drainage - pits	144	No.	713 3,750		450mm on both sides of road At 50m intervals
4.3	Drainage - Sub-soil drainage	144	LM	150	21,600	
4.4	Drainage – Miscellaneous (Description)		Item	-	-	N/A
5	TRAFFIC		Item	200,000		Enduded
5.1	Traffic Signals Traffic Safety		Item	200,000		Excluded Excluded
6	LANDSCAPE		1.0111	-		Lindada
6.1	Trees -centre median	-	No.	250		45L tree. No tree guard assumed
6.2	Trees -pedestrian path	28	No.	1,875	52,500	45L tree including tree guard and passive irrigation WSUD elements
6.3 7	Landscaping - centre median STREET LIGHTING		m2	75	-	
7.1	Street Lighting	8	No.	12,500	100,000	at 40m spacing along, includes underground cabling and foundations
7.2	Bike Path Lighting		No.	12,500		
7.3 8	Conduits UTILITIES	144	m	1,250	180,000	Including trenching
8.1	Allowance for non-disruptive digging	2	Item	18,750	37,500	Allowance for NDD 2 shifts
8.2	New water		m	355	-	225mm dia
8.3	New sewer		m	805	-	300mm dia
8.4 8.5	New telco New gas		m PS	75 10,000		2x100mm conduits
8.6	Relocate Gas		m	563	-	
8.7	Relocate Telco	71	m	625	44,375	
8.8 8.9	Relocate Water Protect utilities (Provisional Sum)	1	m	375 50.000	50,000	
8.9 8.10	Gas Transmission	1	PS m	10,000	50,000	
9	MISCELLANEOUS	_				
9.1	Line marking	1	Item	5,000	5,000	
9.2	Regulatory Signage Works maintenance – up to 1 year	10	no Item	750 5,000	7,500 5,000	no. of pole mounted signs assumed
9.4	Landscape maintenance – up to 1 year Landscape maintenance – 1yr/2 summers	1	Item	7,500	7,500	
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000	-	Not in scope
9.6	Street Furniture	72	LM	95		Includes bins and bike hoops
12	SUB-TOTAL WORKS DELIVERY				1,446,000	
12.1	Council Fees	3.25	%		47,000	
12.2	Other Authority Fees	1	%		14,500	
12.3 12.4	Traffic Management	7 0.5	%		101,200 7,200	
12.4	Environmental Management Survey/Design	0.5 5	% %		7,200	
12.6	Supervision/Project Management	9	%		130,100	
12.7	Site Establishment	2.5	%		36,200	
12.8	Contingency SUB-TOTAL DELIVERY	20	%		289,200 698,000	
-	SUB-TOTAL DELIVERY				090,000	
11	TOTAL ESTIMATED COST				2,144,000	
					2,177,300	



RD-08 Fogarty Street - Arden to Barwise

Item	Description	Quantity	Unit	Rate	Amount	Comments
-	WORKS DEMOLITION					
1						Allowed for excavation and disposal. Assumed 300mm under existing road and
1.1	Earthworks including disposal	275	m3	225	61,965	includes disposal of Cat C
1.2	Allowance for demolition of existing kerbs	102	m	81		Includes disposal
1.3	Allowance for demolition of existing footpaths	357	m2	56	19,992	Includes disposal
1.4	Allowance to mill existing asphalt road Allowance to decommision existing street lights	17	m2 no	13 3,125	53 125	Includes handing over the removed posts
1.6	Allowance to remove existing street furniture etc.	-	item	6,250		Includes bins, seats, drink fountains, assumed existing trees remain
1.7	Allowance for demolition of existing buildings		m2	50		
2	ROAD PAVEMENT					
2.1	New pavement -	- 744	m2	240	-	Allowers to the subbase and also 440 may of salarmed sub-th
2.2	Pedestrian Path - 7m x 2 Bike Path - 4m	714 204	m2 m2	135 135		Allowance to trim subbase and place 110mm of coloured asphalt Allowance to trim subbase and place 110mm of coloured asphalt
3	KERB WORKS	204		100	27,040	
3.1	Kerb and Channel	102	LM	813	82,926	300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median	-	LM	500	-	300x300 Bluestone
3.3	Tactiles	2	Item	2,400	4,800	Panda Granite
4.1	DRAINAGE	102	LM	713	70 700	450mm on both sides of road
4.1	Drainage - pipes Drainage - pits	3	No.	3,750		At 50m intervals
4.3	Drainage – Sub-soil drainage	102	LM	150	15,300	N/A
4.4	Drainage – Miscellaneous (Description)		Item	-		N/A
5	TRAFFIC			-		
5.1	Traffic Signals		Item	200,000		Excluded
5.1 6	Traffic Safety LANDSCAPE		Item	-		Excluded
6.1	Trees -centre median	-	No.	250		45L tree. No tree guard assumed
6.2	Trees -pedestrian path	8	No.	1,875		45L tree including tree guard and passive irrigation WSUD elements
6.3	Landscaping - centre median		m2	75	-	
7	STREET LIGHTING			-	50.000	
7.1 7.2	Street Lighting Bike Path Lighting	4	No.	12,500 12,500	50,000	at 40m spacing along, includes underground cabling and foundations
7.3	Conduits	102	m	1,250	127.500	Including trenching
8	UTILITIES	-			,,,,,	
8.1	Allowance for non-disruptive digging		Item	18,750		Allowance for NDD 2 shifts
8.2	New water	105	m	355		225mm dia
8.3 8.4	New sewer New telco	105 105	m m	805 75		300mm dia 2x100mm conduits
8.5	New gas	1	PS	10,000	10,000	2X100mm conduits
8.6	Relocate Gas		m	563	-	
8.7	Relocate Telco		m	625		
8.8	Relocate Water		m	375	-	
8.9 8.10	Protect utilities (Provisional Sum) Gas Transmission		PS m	50,000 10,000	-	
9	MISCELLANEOUS			10,000	-	
9.1	Line marking	1	Item	5,000	5,000	
9.2	Regulatory Signage	4	no	750		no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year	1	Item	5,000	5,000	
9.4	Landscape maintenance – 1yr/2 summers Traffic signals 10 year Maintenance Fee	1	Item Item	7,500 80,000	7,500	Not in scope
9.6	Street Furniture	51	LM	95	4.845	Includes bins and bike hoops
	SUB-TOTAL WORKS	31	***	20	807,000	'
12	DELIVERY		_			
12.1	Council Fees	3.25	%	1	26,200	
12.2 12.3	Other Authority Fees Traffic Management	1 7	%	1	8,100 56,500	
12.3	Environmental Management	0.5	%		4,000	
12.5	Survey/Design	5	%		40,400	
12.6	Supervision/Project Management	9	%		72,600	
12.7	Site Establishment	2.5	%		20,200	
12.8	Contingency SUB-TOTAL DELIVERY	20	%	 	161,400 389,000	
	SUB-TOTAL DELIVERY			1	309,000	
11	TOTAL ESTIMATED COST				1,196,000	
- 11	TOTAL ESTIMATED COST				1, 190,000	



RD-09 Barwise Street - Fogarty to Laurens

Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					Allowed for excavation and disposal. Assumed 300mm under existing road and
1.1	Earthworks including disposal	721	m3	225	162,142	includes disposal of Cat C
1.2	Allowance for demolition of existing kerbs	306	m 2	81 56	24,786	Includes disposal
1.3	Allowance for demolition of existing footpaths Allowance to mill existing asphalt road	1,071	m2 m2	13	59,976	Includes disposal
1.5	Allowance to decommision existing street lights	17	no	3,125	53,125	Includes handing over the removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250	6,250	Includes bins, seats, drink fountains, assumed existing trees remain
1.7	Allowance for demolition of existing buildings ROAD PAVEMENT		m2	50		
2.1	New pavement - 6m transport lanes	918	m2	240	220,320	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path - 4.4m+5.3m	1,484	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
2.3 3	Bike Path - KERB WORKS	-	m2	135	-	Allowance to trim subbase and place 110mm of coloured asphalt
3.1	Kerb and Channel	306	LM	813	248.778	300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median	-	LM	500	-	300x300 Bluestone
3.3	Tactiles	6	Item	2,400	14,400	Panda Granite
4 4.1	DRAINAGE Drainage - pipes	306	LM	713	218 178	450mm on both sides of road
4.2	Drainage - pits	7	No.	3,750		At 50m intervals
4.3	Drainage – Sub-soil drainage	306	LM	150	45,900	N/A
4.4	Drainage – Miscellaneous (Description)		Item	-	-	N/A
5	TRAFFIC Traffic Signals		Item	200,000		Excluded
5.1	Traffic Safety		Item	-		Excluded
6	LANDSCAPE			-		
6.1	Trees -centre median	- 28	No.	250	-	45L tree. No tree guard assumed
6.2	Trees -pedestrian path Landscaping - centre median	28	No. m2	1,875 75	52,500	45L tree including tree guard and passive irrigation WSUD elements
7	STREET LIGHTING		IIIZ	-		
7.1	Street Lighting	8	No.	12,500	100,000	at 40m spacing along, includes underground cabling and foundations
7.2 7.3	Bike Path Lighting Conduits	306	No.	12,500 1,250	292 500	Including trenching
8	UTILITIES	300	III	1,250	362,500	including trendling
8.1	Allowance for non-disruptive digging		Item	18,750	-	Allowance for NDD 2 shifts
8.2	New water		m	355	*	225mm dia
8.3 8.4	New sewer New telco		m m	805 75	-	300mm dia 2x100mm conduits
8.5	New gas		PS	10,000		2x roomin conduits
8.6	Relocate Gas	50	m	563	28,125	
8.7	Relocate Telco		m	625	-	
8.8 8.9	Relocate Water Protect utilities (Provisional Sum)	1	m PS	375 50,000	50,000	
8.10	Gas Transmission		m	10,000		
9	MISCELLANEOUS					
9.1	Line marking	1	Item	5,000	5,000	no of note mounted signs assumed
9.2	Regulatory Signage Works maintenance – up to 1 year	10	no Item	750 5,000	7,500 5,000	no. of pole mounted signs assumed
9.4	Landscape maintenance – 1yr/2 summers	1	Item	7,500	7,500	
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000	-	Not in scope
9.6	Street Furniture SUB-TOTAL WORKS	153	LM	95	14,535 1,919,000	Includes bins and bike hoops
12	DELIVERY SUB-TOTAL WORKS			 	1,919,000	
12.1	Council Fees	3.25	%		62,400	
12.2	Other Authority Fees	1	%		19,200	
12.3 12.4	Traffic Management Environmental Management	7 0.5	%		134,300 9.600	
12.4	Survey/Design	0.5 5	% %		96,000	
12.6	Supervision/Project Management	9	%		172,700	
12.7	Site Establishment	2.5	%		48,000	
12.8	Contingency SUB-TOTAL DELIVERY	20	%		383,800 926,000	
	GOD-TOTAL DELIVERT				323,000	
11	TOTAL ESTIMATED COST				2,845,000	
L				1	2,3-3,000	



RD-10 Laurens Street - Barwise to Queensberry

tem	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
	DEMOLITION					
1.1	Earthworks including disposal	645	m3	225	145,152	Allowed for excavation and disposal. Assumed 300mm under existing road a
1.2	Allowance for demolition of existing kerbs	192	m	81	15,552	includes disposal of Cat C Includes disposal
	Allowance for demolition of existing footpaths	672	m2	56	37,632	Includes disposal
1.4	Allowance to mill existing asphalt road		m2	13	50.105	
1.5 1.6	Allowance to decommision existing street lights Allowance to remove existing street furniture etc.	17	no item	3,125 6,250	53,125 6,250	Includes handing over the removed posts Includes bins, seats, drink fountains, assumed existing trees remain
1.7	Allowance for demolition of existing buildings		m2	50	0,230	indiades biris, seats, unink rountains, assumed existing aces remain
	ROAD PAVEMENT					
2.1	New pavement - 3.5m x 2 transport lanes Pedestrian Path - 5.7x2m	672 1,094	m2	240 135	161,280 147,744	Assumed detail 2 of standard asphalt pavement Allowance to trim subbase and place 110mm of coloured asphalt
	Bike Path - 2m x 2	384	m2 m2	135		Allowance to trim subbase and place 110mm of coloured aspiralt
	KERB WORKS					·
3.1	Kerb and Channel	192	LM	813	156,096	300x300 Bluestone with 250 gutterstone
3.2 3.3	Kerb to centre median Tactiles	- 6	LM Item	500 2,400	14,400	300x300 Bluestone Panda Granite
	DRAINAGE	-	itoiii	-	11,100	Turida Ordino
	Drainage - pipes	192	LM	713	136,896	450mm on both sides of road
4.2 4.3	Drainage - pits Drainage - Sub-soil drainage	4 192	No. LM	3,750 150	15,000 28,800	At 50m intervals N/A
1.4	Drainage – Sub-soil drainage Drainage – Miscellaneous (Description)	192	Item	-	20,000	N/A
5	TRAFFIC			-		
5.1	Traffic Signals		Item	200,000	-	Excluded
5.1 6	Traffic Safety LANDSCAPE		Item	-	-	Excluded
	Trees -centre median	-	No.	250		45L tree. No tree guard assumed
	Trees -pedestrian path	28	No.	1,875	52,500	45L tree including tree guard and passive irrigation WSUD elements
	Landscaping - centre median		m2	75	-	
	STREET LIGHTING Street Lighting	8	No.	12,500	100.000	at 40m spacing along, includes underground cabling and foundations
'.2	Bike Path Lighting		No.	12,500		, , , , ,
	Conduits	192	m	1,250	240,000	Including trenching
8	UTILITIES Allowance for non-disruptive digging	2	Item	18,750	37,500	Allowance for NDD 2 shifts
	New water		m	355		225mm dia
.3	New sewer		m	805		300mm dia
	New telco		m	75		2x100mm conduits
	New gas Relocate Gas		PS m	10,000 563		
	Relocate Telco		m	625	-	
.8	Relocate Water		m	375	-	
.9 10	Protect utilities (Provisional Sum) Gas Transmission	1	PS m	50,000 10,000	50,000	
9	MISCELLANEOUS		m	10,000	<u> </u>	
.1	Line marking	1	Item	5,000	5,000	
.2	Regulatory Signage	10	no	750	7,500	no. of pole mounted signs assumed
.3	Works maintenance – up to 1 year Landscape maintenance – 1yr/2 summers	1	Item Item	5,000 7,500	5,000 7,500	
.5	Traffic signals 10 year Maintenance Fee	I	Item	80,000	7,500	Not in scope
.6	Street Furniture	96	LM	95	9,120	Includes bins and bike hoops
	SUB-TOTAL WORKS				1,475,000	
	DELIVERY Council Fees	3.25	%		47,900	
	Other Authority Fees	3.23	%		14,800	
2.3	Traffic Management	7	%		103,300	
2.4	Environmental Management	0.5	%		7,400	
2.5 2.6	Survey/Design Supervision/Project Management		%		73,800 132,800	
2.7	Site Establishment	2.5	%		36,900	
	Contingency	20	%		295,000	
2.8						
2.8	SUB-TOTAL DELIVERY				712,000	



RD11 Laurens Street - Queensberry to Fogarty

lánm	Description	Oventity	Heit	Data	Amount	Comments
Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	892	m3	225	200,799	Allowed for excavation and disposal. Assumed 300mm under existing road and includes disposal of Cat C
1.2	Allowance for demolition of existing kerbs	268	m	81	21,708	Includes disposal
1.3	Allowance for demolition of existing footpaths	938	m2	56		Includes disposal
1.4	Allowance to mill existing asphalt road		m2	13	50.105	
1.5	Allowance to decommision existing street lights Allowance to remove existing street furniture etc.	17	no item	3,125 6,250		Includes handing over the removed posts Includes bins, seats, drink fountains, assumed existing trees remain
1.7	Allowance for demolition of existing buildings	'	m2	50	0,230	includes birts, seats, units fountains, assumed existing trees remain
2	ROAD PAVEMENT					
2.1	New pavement - 3.5m x 2 transport	938	m2	240	225,120	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path - 5.6m x 2	1,501	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
2.3 3	Bike Path - 2m x 2 KERB WORKS	536	m2	135	72,360	Allowance to trim subbase and place 110mm of coloured asphalt
3.1	KERB WORKS Kerb and Channel	268	LM	813	217 884	300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median	-	LM	500	2.17,004	300x300 Bluestone
3.3	Tactiles	6	Item	2,400	14,400	Panda Granite
	DRAINAGE		-	-		
4.1	Drainage - pipes	268	LM	713		450mm on both sides of road
4.2	Drainage - pits Drainage - Sub-soil drainage	6 268	No.	3,750 150	22,500 40,200	At 50m intervals
4.4	Drainage – Sub-soil drainage Drainage – Miscellaneous (Description)	200	Item	-	40,200	N/A
5	TRAFFIC		1.0111	-		TWC
5.1	Traffic Signals		Item	200,000		Excluded
5.1	Traffic Safety		Item	-		Excluded
	LANDSCAPE Trace centre medien		No	- 250		AEI tree No tree guerd conumed
6.1	Trees -centre median Trees -pedestrian path	- 28	No.	1,875	52 500	45L tree. No tree guard assumed 45L tree including tree guard and passive irrigation WSUD elements
6.3	Landscaping - centre median	20	m2	75		402 are including are guard and passive inigation vivous clements
7	STREET LIGHTING			-		
7.1	Street Lighting	8	No.	12,500	100,000	at 40m spacing along, includes underground cabling and foundations
7.2	Bike Path Lighting	222	No.	12,500	005.000	
7.3 8	Conduits UTILITIES	268	m	1,250	335,000	Including trenching
8.1	Allowance for non-disruptive digging	2	Item	18,750	37.500	Allowance for NDD 2 shifts
8.2	New water	_	m	355	-	225mm dia
8.3	New sewer		m	805	-	300mm dia
8.4	New telco		m	75		2x100mm conduits
8.5 8.6	New gas Relocate Gas	133	PS m	10,000 563	74,813	
8.7	Relocate Telco	133	m	625	83,125	
8.8	Relocate Water		m	375		
8.9	Protect utilities (Provisional Sum)	1	PS	50,000		
8.10	Gas Transmission		m	10,000	-	
9.1	MISCELLANEOUS	1	Item	5,000	5,000	
9.1	Line marking Regulatory Signage	10	no	750		no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year	1	Item	5,000	5,000	
9.4	Landscape maintenance – 1yr/2 summers	1	Item	7,500	7,500	
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000		Not in scope
9.6	Street Furniture	134	LM	95		Includes bins and bike hoops
12	SUB-TOTAL WORKS DELIVERY				2,029,000	
12.1	Council Fees	3.25	%		65,900	
12.2	Other Authority Fees	1	%		20,300	_
12.3	Traffic Management	7	%		142,000	
12.4	Environmental Management	0.5	%		10,100	
12.5 12.6	Survey/Design Supervision/Project Management	5	%		101,500 182,600	
12.7	Site Establishment	2.5	%		50,700	
12.8	Contingency	20	%		405,800	
	SUB-TOTAL DELIVERY				979,000	



RD12 Laurens Street - Fogarty to Millar

Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	519	m3	225	116,883	Allowed for excavation and disposal. Assumed 300mm under existing road and
1.2	Allowance for demolition of existing kerbs	156	m	81		includes disposal of Cat C Includes disposal
1.3	Allowance for demolition of existing footpaths	546	m2	56		Includes disposal
1.4	Allowance to mill existing asphalt road		m2	13		
1.5	Allowance to decommision existing street lights	17	no	3,125		Includes handing over the removed posts
1.6	Allowance to remove existing street furniture etc. Allowance for demolition of existing buildings	1	item m2	6,250 50	6,250	Includes bins, seats, drink fountains, assumed existing trees remain
2	ROAD PAVEMENT		IIIZ	30		
2.1	New pavement - 3.5m x 2 transport	546	m2	240	131,040	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path - 5.6m x 2	874	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path - 2m x 2	312	m2	135	42,120	Allowance to trim subbase and place 110mm of coloured asphalt
3 3.1	KERB WORKS Kerb and Channel	156	LM	813	126 828	300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median	-	LM	500	.23,020	300x300 Bluestone
3.3	Tactiles	6	Item	2,400	14,400	Panda Granite
4	DRAINAGE	450	1.44	- 742	444.000	AFOrms on both sides of road
4.1 4.2	Drainage - pipes Drainage - pits	156 4	LM No.	713 3,750		450mm on both sides of road At 50m intervals
4.3	Drainage - Sub-soil drainage	156	LM	150	23,400	
4.4	Drainage – Miscellaneous (Description)		Item	-	-	N/A
5	TRAFFIC			-		
5.1	Traffic Signals		Item	200,000	-	Excluded
5.1 6	Traffic Safety LANDSCAPE		Item	-	-	Excluded
6.1	Trees -centre median	-	No.	250		45L tree. No tree guard assumed
6.2	Trees -pedestrian path	28	No.	1,875	52,500	45L tree including tree guard and passive irrigation WSUD elements
6.3	Landscaping - centre median		m2	75	-	
7 7.1	STREET LIGHTING Street Lighting	8	No.	12,500	100 000	at 40m spacing along, includes underground cabling and foundations
	Bike Path Lighting	0	No.	12,500	100,000	at 4011 spacing along, includes underground cabing and foundations
7.3	Conduits	156	m	1,250	195,000	Including trenching
8	UTILITIES					
8.1	Allowance for non-disruptive digging	2	Item	18,750		Allowance for NDD 2 shifts
	New water New sewer		m m	355 805		225mm dia 300mm dia
	New telco		m	75		2x100mm conduits
8.5	New gas		PS	10,000	-	
8.6	Relocate Gas	405	m	563	404.075	
8.7 8.8	Relocate Telco Relocate Water	195	m m	625 375	121,875	
8.9	Protect utilities (Provisional Sum)	1	PS	50,000	50,000	
8.10	Gas Transmission		m	10,000	-	
9	MISCELLANEOUS					
9.1 9.2	Line marking Regulatory Signage	1 10	Item no	5,000 750	5,000 7,500	no. of pole mounted signs assumed
9.2	Works maintenance – up to 1 year	10	Item	5,000	5,000	no. or pore mounted signs assumed
9.4	Landscape maintenance – 1yr/2 summers	1	Item	7,500	7,500	
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000		Not in scope
9.6	Street Furniture	78	LM	95		Includes bins and bike hoops
12	SUB-TOTAL WORKS DELIVERY			+	1,383,000	
12.1	Council Fees	3.25	%	 	44,900	
12.2	Other Authority Fees	1	%		13,800	
12.3	Traffic Management	7	%		96,800	
12.4 12.5	Environmental Management Survey/Design	0.5 5	%	+	6,900 69,200	
12.5	Supervision/Project Management	9	%	+	124,500	
12.7	Site Establishment	2.5	%		34,600	
12.8	Contingency	20	%		276,600	
	SUB-TOTAL DELIVERY				667,000	
				1		
11	TOTAL ESTIMATED COST				2,050,000	



RD-13 Munster Terrace - Arden to Queensberry

Item	Description	Quantity	Unit	Rate	Amount	Comments
		,				
	WORKS					
1	DEMOLITION					Allowed for excavation and disposal. Assumed 300mm under existing road and
1.1	Earthworks including disposal	1,229	m3	225	276,548	includes disposal of Cat C
1.2	Allowance for demolition of existing kerbs	364	m	81	29,484	Includes disposal
1.3	Allowance for demolition of existing footpaths	1,274	m2	56	71,344	Includes disposal
1.4 1.5	Allowance to mill existing asphalt road Allowance to decommision existing street lights	17	m2 no	13 3,125	53,125	Includes handing over the removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250	6,250	Includes bins, seats, drink fountains, assumed existing trees remain
1.7	Allowance for demolition of existing buildings		m2	50	-	, , , ,
2	ROAD PAVEMENT					
2.1	New pavement - 5.5m shared lane	1,640	m2	240		Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path - 3.5m + 6m Bike Path - 4m	1,729 728	m2	135 135		Allowance to trim subbase and place 110mm of coloured asphalt Allowance to trim subbase and place 110mm of coloured asphalt
3	KERB WORKS	120	m2	133	90,200	Allowance to trim subbase and place 1 formin of coloured aspiralt
3.1	Kerb and Channel	572	LM	813	465,036	300x300 Bluestone with 250 gutterstone
3.2	Kerb to running path	364	LM	500	182,000	300x300 Bluestone
3.3	Tactiles	6	Item	2,400	14,400	Panda Granite
4	DRAINAGE		1.04	- 710	050 500	AFOrest on hold sides of mod
4.1	Drainage - pipes Drainage - pits	364 8	LM No.	713 3,750		450mm on both sides of road At 50m intervals
4.3	Drainage - Sub-soil drainage	364	LM	150	54,600	N/A
4.4	Drainage – Miscellaneous (Description)		Item	-	-	N/A
5	TRAFFIC			-		
5.1	Traffic Signals		Item	200,000		Excluded
5.1	Traffic Safety LANDSCAPE		Item	-	-	Excluded
6 6.1	Trees -centre median		No.	250		45L tree. No tree guard assumed
6.2	Trees -pedestrian path	28	No.	1,875	52.500	45L tree including tree guard and passive irrigation WSUD elements
6.3	Landscaping - centre median		m2	75	-	
7	STREET LIGHTING			-		
7.1	Street Lighting	8	No.	12,500	100,000	at 40m spacing along, includes underground cabling and foundations
7.2	Bike Path Lighting Conduits	364	No. m	12,500 1,250	4EE 000	Including trenching
8	UTILITIES	304	III	1,250	455,000	including tending
8.1	Allowance for non-disruptive digging		Item	18,750		Allowance for NDD 2 shifts
8.2	New water		m	355	-	225mm dia
8.3	New sewer		m	805		300mm dia
8.4	New telco		m	75		2x100mm conduits
8.5 8.6	New gas Relocate Gas	80	PS m	10,000 563	45,000	
8.7	Relocate Telco	80	m	625	-5,000	
8.8	Relocate Water	182	m	375	68,250	
8.9	Protect utilities (Provisional Sum)	1	PS	50,000	50,000	
8.10	Gas Transmission		m	10,000	-	
9 9.1	MISCELLANEOUS Line marking	1	Item	5,000	5,000	
9.1	Regulatory Signage	10	no	750	7,500	no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year	1	Item	5,000	5,000	
9.4	Landscape maintenance – 1yr/2 summers	1	Item	7,500	7,500	
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000		Not in scope
9.6	Street Furniture SUB-TOTAL WORKS	182	LM	95	17,290	Includes bins and bike hoops
12	DELIVERY SUB-TOTAL WORKS				2,963,000	
12.1	Council Fees	3.25	%		96,300	
12.2	Other Authority Fees	1	%		29,600	
12.3	Traffic Management	7	%		207,400	
12.4	Environmental Management	0.5	%		14,800	
12.5 12.6	Survey/Design Supervision/Project Management	5	%		148,200 266,700	
12.7	Site Establishment	2.5	%		74.100	
12.8	Contingency	20	%		592,600	
	SUB-TOTAL DELIVERY				1,430,000	
		-	-			
11	TOTAL ESTIMATED COST				4,393,000	
	1			1		I .



184 m

RD14 Munster Terrace - Queensberry to Victoria

Item	Description	Quantity	Unit	Rate	Amount	Comments
Item	Description	Quantity	Onit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					Allowed for excavation and disposal. Assumed 300mm under existing road and
1.1	Earthworks including disposal	1,643	m3	225	369,630	includes disposal of Cat C
1.2	Allowance for demolition of existing kerbs	368	m	81		Includes disposal
1.3	Allowance for demolition of existing footpaths Allowance to mill existing asphalt road	1,288	m2 m2	56 13	72,128	Includes disposal
1.5	Allowance to decommision existing street lights	17	no	3,125	53,125	Includes handing over the removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250	6,250	Includes bins, seats, drink fountains, assumed existing trees remain
1.7	Allowance for demolition of existing buildings		m2	50	-	
2.1	ROAD PAVEMENT New pavement - 6m shared lane	1,336	m2	240	320 640	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path - 4m + 6.5m	1,932	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path - 4m	736	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
3.1	KERB WORKS	496	LM	813	402.040	200v200 Plugetono with 250 gutteretono
3.1	Kerb and Channel Kerb to running path	496 368	LM LM	813 500		300x300 Bluestone with 250 gutterstone 300x300 Bluestone
3.3	Tactiles	6	Item	2,400		Panda Granite
4	DRAINAGE			-		
4.1 4.2	Drainage - pipes Drainage - pits	368 8	LM No.	713 3.750		450mm on both sides of road At 50m intervals
4.2	Drainage - pits Drainage - Sub-soil drainage	368	No. LM	3,750	55,200	
4.4	Drainage – Miscellaneous (Description)		Item	-	-	N/A
5	TRAFFIC			-		
5.1 5.1	Traffic Signals Traffic Safety		Item	200,000		Excluded Excluded
6	LANDSCAPE		Item	-	•	Excluded
6.1	Trees -centre median	56	No.	250	14,000	45L tree. No tree guard assumed
6.2	Trees -pedestrian path	28	No.	1,875		45L tree including tree guard and passive irrigation WSUD elements
6.3	Landscaping - centre median STREET LIGHTING	1,472	m2	75	110,400	
7	Street Lighting	8	No.	12,500	100.000	at 40m spacing along, includes underground cabling and foundations
7.2	Bike Path Lighting		No.	12,500	,	
7.3	Conduits	368	m	1,250	460,000	Including trenching
8 8.1	UTILITIES Allowance for non-disruptive digging	2	Itom	18,750	37,500	Allowance for NDD 2 shifts
8.2	New water		Item m	355	37,500	225mm dia
8.3	New sewer		m	805	-	300mm dia
8.4	New telco		m	75	*	2x100mm conduits
8.5 8.6	New gas Relocate Gas	40	PS m	10,000 563	22,500	
8.7	Relocate Telco	40	m	625	- 22,300	
8.8	Relocate Water		m	375	-	
8.9	Protect utilities (Provisional Sum)	1	PS	50,000	50,000	
8.10 9	Gas Transmission MISCELLANEOUS		m	10,000	-	
9.1	Line marking	1	Item	5,000	5,000	
9.2	Regulatory Signage	10	no	750	7,500	no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year	1_	Item	5,000	5,000	
9.4 9.5	Landscape maintenance – 1yr/2 summers Traffic signals 10 year Maintenance Fee	1	Item Item	7,500 80,000	7,500	Not in scope
9.6	Street Furniture	184	LM	95	17,480	Includes bins and bike hoops
	SUB-TOTAL WORKS				3,033,000	
12	DELIVERY Council Food	0.0=	0/		00.000	
12.1 12.2	Council Fees Other Authority Fees	3.25	%		98,600 30,300	
12.3	Traffic Management	7	%		212,300	
12.4	Environmental Management	0.5	%		15,200	
12.5	Survey/Design	5	%		151,700	
12.6 12.7	Supervision/Project Management Site Establishment	9 2.5	%		273,000 75,800	
12.8	Contingency	20	%		606,600	
	SUB-TOTAL DELIVERY				1,464,000	
11	TOTAL ESTIMATED COST				4,497,000	



IN-01 Macaulay Road - Boundary Road

Item	Description	Quantity	Unit	Rate	Amount	Comments
11.0111	2000npaon	quartity	O	rato	7 anount	301111111111
	WORKS					
1	DEMOLITION Forthern desirable diseased.	816	0	225	183,533	A
1.1	Earthworks including disposal Allowance for demolition of existing kerbs	418	m3 m	81	33,858	Assumed 300mm under existing roadway, allows for disposal of Cat C material Includes disposal
1.3	Allowance for demolition of existing footpaths	560	m2	56		Includes disposal
1.4	Allowance to mill existing asphalt road		m2	13		1
1.5	Allowance to decommision existing street lights	4	no	3,125		Includes handing over of removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250	6,250	Existing seats, bike hoops etc.
1.7	Allowance for demolition of existing buildings ROAD PAVEMENT		m2	50	<u> </u>	N/A
2.1	New pavement	1,729	m2	240	414,960	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path	560	m2	135	75,600	Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path	430	m2	135	58,050	Allowance to trim subbase and place 110mm of coloured asphalt
3	KERB WORKS					
3.1	Kerb and Channel	238	LM	813	193,494	300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median Tactiles	180	LM Item	500 2,400	90,000	300x300 Bluestone Panda Granite
4	DRAINAGE	ь	пеш	2,400	14,400	ranua Gianne
4.1	Drainage - pipes	238	LM	713	169,694	450mm on both sides of road
4.2	Drainage - pits	5	No.	3,750	18,750	Standard CoM Side Entry Pit
4.4	Drainage – Sub-soil drainage	238	LM	150	35,700	N/A
4.3	Drainage – Miscellaneous		Item		-	N/A
5	TRAFFIC Traffic Signals - Modification of existing		Item	200,000		
5.1	Traffic Safety		Item	200,000	<u>:</u>	N/A
6	LANDSCAPE		no			
6.1	Trees -centre median	7	No.	250	1,750	45L tree. No tree guard assumed
6.2	Trees -pedestrian path	20	No.	1,875	37,500	45L tree including tree guard and passive irrigation elements
6.2	Landscaping - centre median	95	m2	75	7,125	
7	STREET LIGHTING Street Lighting - Intersection	4	No.	12,500	50,000	Assumed 4 nos
7.1	Street Lighting - Intersection Street Lighting - Bike path	10	No.	12,500		at 20m spacing along bike path, includes underground cabling and foundations
7.3	Conduits		m	875	,	
8	UTILITIES			-		
8.1	Allowance for non-disruptive digging	2	Item	18,750	37,500	Allowance for NDD 2 shifts
8.2	New water		m	355	-	
8.3 8.4	New sewer New telco		m m	805 75	<u>-</u>	
8.5	New gas		PS	10,000	<u>-</u>	
8.6	Relocate Gas		m	563		
8.7	Relocate Telco		m	625	-	
8.8	Relocate Water	105	m	375	39,375	
8.9 8.10	Protect utilities (Provisional Sum) Gas Transmission	1	PS	50,000 10,000	50,000	
8.10 9	MISCELLANEOUS		m	10,000		
9.1	Line marking	1	Item	5,000	5,000	
9.2	Regulatory Signage	10	no	750		no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year	1	Item	5,000	5,000	
9.4	Landscape maintenance – 1yr/2 summers	·	Item	7,500	-	
9.5	Traffic signals 10 year Maintenance Fee SUB-TOTAL WORKS		Item	80,000	1,704,000	Not in scope
12	DELIVERY SUB-TOTAL WORKS				1,704,000	
12.1	Council Fees	3.25	%		55,400	
12.2	Other Authority Fees	1	%		17,000	
12.3	Traffic Management	7	%		119,300	
12.4	Environmental Management	0.5	%		8,500	
12.5	Survey/Design Supervision/Project Management	<u>5</u>	%		85,200 153,400	
12.6 12.7	Site Establishment	2.5	%		42,600	
12.8	Contingency	20	%		340,800	
	SUB-TOTAL DELIVERY				822,000	
		-			-	
11	TOTAL ESTIMATED COST				2,526,000	

IN-02 Bounday Road, Henderson Street and Gracie Street

Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION DEMOLITION					
1.1	Earthworks including disposal	632	m3	225	142.088	Assumed 300mm under existing roadway, allows for disposal of Cat C material
1.2	Allowance for demolition of existing kerbs	131	m	81		Includes disposal
1.3	Allowance for demolition of existing footpaths	1,059	m2	56		Includes disposal
1.4	Allowance to mill existing asphalt road		m2	13		
1.5	Allowance to decommision existing street lights	4	no	3,125		Includes handing over of removed posts
1.6	Allowance to remove existing street furniture etc. Allowance for demolition of existing buildings	1	item	6,250 50		Existing seats, bike hoops etc. N/A
1.7	ROAD PAVEMENT		m2	50		N/A
2.1	New pavement	863	m2	240	207.120	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path	1,059	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path	183	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
3	KERB WORKS					
3.1	Kerb and Channel	113	LM	813		300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median	18	LM	500		300x300 Bluestone
3.3	Tactiles	6	Item	2,400	14,400	Panda Granite
4 4.1	DRAINAGE Drainage - pipes	113	LM	713	80 560	450mm on both sides of road
4.2	Drainage - pits	3	No.	3,750		Standard CoM Side Entry Pit
4.4	Drainage – Sub-soil drainage	113	LM	150	16,950	
4.3	Drainage – Miscellaneous	-	Item	-		N/A
5	TRAFFIC					
5.1	Traffic Signals - Modification of existing		Item	200,000		
5.1	Traffic Safety		Item	-		N/A
6	LANDSCAPE		N.	050		AFI to a Nie to a moond a command
6.1	Trees -centre median Trees -pedestrian path	8	No.	250 1.875	15.000	45L tree. No tree guard assumed 45L tree including tree guard and passive irrigation elements
6.2	Landscaping - centre median	0	m2	75	13,000	43E tree including tree guard and passive imgation elements
7	STREET LIGHTING					
7.1	Street Lighting - Intersection	4	No.	12,500	50,000	Assumed 4 nos
7.2	Street Lighting - Bike path	2	No.	12,500	25,000	at 20m spacing along bike path, includes underground cabling and foundations
7.3	Conduits		m	875		
8 8.1	UTILITIES	2	14	18,750	27.500	Allowance for NDD 2 shifts
8.1	Allowance for non-disruptive digging New water	2	Item m	18,750	37,500	Allowance for NDD 2 shifts
8.3	New sewer		m	805		
8.4	New telco		m	75		
8.5	New gas		PS	10,000		
8.6	Relocate Gas	20	m	563	11,250	
8.7	Relocate Telco	30	m	625	18,750	
8.8	Relocate Water	35 1	m DC	375	13,125	
8.9 8.10	Protect utilities (Provisional Sum) Gas Transmission	1	PS m	50,000 10,000	50,000	
9	MISCELLANEOUS		Ш	10,000	-	
9.1	Line marking	1	Item	5,000	5,000	
9.2	Regulatory Signage	10	no	750		no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year	1	Item	5,000	5,000	
9.4	Landscape maintenance – 1yr/2 summers		Item	7,500	-	
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000		Not in scope
42	SUB-TOTAL WORKS				1,068,000	
12 12.1	DELIVERY Council Fees	3.25	%	 	34,700	
12.1	Other Authority Fees	3.23	%		10,700	
12.3	Traffic Management	7	%		74,800	
12.4	Environmental Management	0.5	%		5,300	
12.5	Survey/Design	5	%		53,400	
12.6	Supervision/Project Management	9	%		96,100	-
12.7	Site Establishment	2.5	%		26,700	
12.8	Contingency SUB TOTAL DELIVERY	20	%		213,600	
	SUB-TOTAL DELIVERY				515,000	
11	TOTAL ESTIMATED COST				1,583,000	
	. C.AL LO.IIIA LD COOL			1	1,000,000	II



IN-03 Fogarty Street and Henderson Street

Item	Description	Quantity	Unit	Rate	Amount	Comments
item	Description	Quantity	Offic	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	559	m3	225	125,685	Assumed 300mm under existing roadway, allows for disposal of Cat C material
1.2	Allowance for demolition of existing kerbs	131	m	81		Includes disposal
1.3	Allowance for demolition of existing footpaths	768	m2	56	43,008	Includes disposal
1.4	Allowance to mill existing asphalt road Allowance to decommision existing street lights	4	m2 no	13 3,125	12 500	Includes handing over of removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250		Existing seats, bike hoops etc.
1.7	Allowance for demolition of existing buildings		m2	50	-	N/A
2	ROAD PAVEMENT					
2.1	New pavement	880	m2	240	211,200	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path	768	m2	135	103,680	Allowance to trim subbase and place 110mm of coloured asphalt
2.3 3	Bike Path KERB WORKS	214	m2	135	28,890	Allowance to trim subbase and place 110mm of coloured asphalt
3.1	Kerb and Channel	110	LM	813	89,430	300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median	21	LM	500	10,500	
3.3	Tactiles	6	Item	2,400		Panda Granite
4	DRAINAGE					
4.1	Drainage - pipes	110	LM	713		450mm on both sides of road
4.2	Drainage - pits	3 110	No. LM	3,750 150	11,250 16,500	Standard CoM Side Entry Pit
4.4	Drainage – Sub-soil drainage Drainage – Miscellaneous	110	Item	150	16,500	N/A
5	TRAFFIC		Itom	_		ING
5.1	Traffic Signals - Modification of existing		Item	200,000		
5.1	Traffic Safety		Item	-	-	N/A
6	LANDSCAPE					
6.1	Trees -centre median		No.	250		45L tree. No tree guard assumed
6.2	Trees -pedestrian path Landscaping - centre median	8	No. m2	1,875 75	15,000	45L tree including tree guard and passive irrigation elements
7	STREET LIGHTING		IIIZ	75		
7.1	Street Lighting - Intersection	4	No.	12,500	50,000	Assumed 4 nos
7.2	Street Lighting - Bike path	-	No.	12,500	-	at 20m spacing along bike path, includes underground cabling and foundations
7.3	Conduits		m	875		
8	UTILITIES			10.750	07.500	A 11 12 12 12 12 12 12 12 12 12 12 12 12
8.1 8.2	Allowance for non-disruptive digging New water	2	Item	18,750 355	37,500	Allowance for NDD 2 shifts
8.3	New sewer		m m	805	-	
8.4	New telco		m	75		
8.5	New gas		PS	10,000		
8.6	Relocate Gas	40	m	563	22,500	
8.7	Relocate Telco	30	m	625	18,750	
8.8	Relocate Water Protect utilities (Provisional Sum)	1	m PS	375 50,000	50,000	
8.9	Gas Transmission	1 40	PS m	10,000	400,000	
9	MISCELLANEOUS	40		.0,500	.50,000	
9.1	Line marking	1	Item	5,000	5,000	_
9.2	Regulatory Signage	10	no	750	7,500	no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year	111	Item	5,000	5,000	
9.4	Landscape maintenance – 1yr/2 summers Traffic signals 10 year Maintenance Fee		Item	7,500 80,000	-	Not in come
9.5	SUB-TOTAL WORKS		Item	00,000	1,374,000	Not in scope
12	DELIVERY 30B-101AL WORKS				1,014,000	
12.1	Council Fees	3.25	%		44,700	
12.2	Other Authority Fees	1	%		13,700	
12.3	Traffic Management	7	%		96,200	
12.4	Environmental Management	0.5	%		6,900	
12.5 12.6	Survey/Design Supervision/Project Management	<u>5</u>	%		68,700 123,700	
12.7	Site Establishment	2.5	% %		34,400	
12.8	Contingency	20	%		274,800	
	SUB-TOTAL DELIVERY				663,000	
		_	-		_	
11	TOTAL ESTIMATED COST				2,037,000	

IN-04 Fogarty Street and Arden Street

Item	Description	Quantity	Unit	Rate	Amount	Comments
1.0111	20001194011	quantity	O.I.K	ruto	741104111	30111110110
	WORKS					
1	DEMOLITION	773	0	225	470.000	A
1.1	Earthworks including disposal Allowance for demolition of existing kerbs	363	m3 m	81	173,880 29,403	Assumed 300mm under existing roadway, allows for disposal of Cat C material Includes disposal
1.3	Allowance for demolition of existing footpaths	983	m2	56		Includes disposal
1.4	Allowance to mill existing asphalt road		m2	13		1
1.5	Allowance to decommision existing street lights	4	no	3,125	12,500	Includes handing over of removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250	6,250	Existing seats, bike hoops etc.
1.7	Allowance for demolition of existing buildings ROAD PAVEMENT		m2	50	-	N/A
2.1	New pavement	1,165	m2	240	279,600	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path	983	m2	135	132,705	Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path	428	m2	135	57,780	Allowance to trim subbase and place 110mm of coloured asphalt
3	KERB WORKS					
3.1	Kerb and Channel	363	LM	813	295,119	300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median Tactiles	6	LM Item	500 2,400	14,400	300x300 Bluestone Panda Granite
4	DRAINAGE		IICIII	2,400	14,400	Tanua Oranic
4.1	Drainage - pipes	363	LM	713	258,819	450mm on both sides of road
4.2	Drainage - pits	8	No.	3,750	30,000	Standard CoM Side Entry Pit
4.4	Drainage – Sub-soil drainage	363	LM	150	54,450	N/A
4.3	Drainage – Miscellaneous		Item	-	-	N/A
5	TRAFFIC Traffic Signals - Modification of existing	1	Item	200,000	200.000	New signals
5.1	Traffic Safety	'	Item	200,000	200,000	N/A
6	LANDSCAPE		Kom			
6.1	Trees -centre median		No.	250	-	45L tree. No tree guard assumed
6.2	Trees -pedestrian path	34	No.	1,875	63,750	45L tree including tree guard and passive irrigation elements
6.2	Landscaping - centre median		m2	75	-	
7.1	STREET LIGHTING Street Lighting - Intersection	4	No.	12,500	50,000	Assumed 4 nos
7.2	Street Lighting - Bike path	6	No.	12,500		at 20m spacing along bike path, includes underground cabling and foundations
7.3	Conduits		m	875	.,,	. 1 0 0 1 7
8	UTILITIES					
8.1	Allowance for non-disruptive digging	2	Item	18,750	37,500	Allowance for NDD 2 shifts
8.2 8.3	New water New sewer		m m	355 805	-	
8.4	New telco		m	75		
8.5	New gas		PS	10,000	-	
8.6	Relocate Gas		m	563	-	
8.7	Relocate Telco	40	m	625	25,000	
8.8	Relocate Water Protect utilities (Provisional Sum)	20	m PS	375 50,000	7,500 50,000	
8.9	Gas Transmission	1	PS m	10,000	50,000	
9	MISCELLANEOUS			15,500		
9.1	Line marking	1	Item	5,000	5,000	
9.2	Regulatory Signage	10	no	750		no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year	1	Item	5,000	5,000	
9.4	Landscape maintenance – 1yr/2 summers Traffic signals 10 year Maintenance Fee	1	Item Item	7,500 80,000	80.000	
5.5	SUB-TOTAL WORKS		RGIII	50,500	2,006,000	
12	DELIVERY			1	_,,.	
12.1	Council Fees	3.25	%		65,200	
12.2	Other Authority Fees	1	%		20,100	
12.3 12.4	Traffic Management	7 0.5	%		140,400 10,000	
12.4	Environmental Management Survey/Design	0.5	%	+	10,000	
12.6	Supervision/Project Management	9	%		180,500	
12.7	Site Establishment	2.5	%		50,200	
12.8	Contingency	20	%		401,200	
	SUB-TOTAL DELIVERY				968,000	
44	TOTAL ESTIMATED COST				2.074.000	
11	TOTAL ESTIMATED COST				2,974,000	

IN-05 Arden Street and Laurens Street

Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	754	m3	225	169,695	Assumed 300mm under existing roadway, allows for disposal of Cat C material
1.2	Allowance for demolition of existing kerbs Allowance for demolition of existing footpaths	233 946	m 2	81 56		Includes disposal Includes disposal
1.4	Allowance to mill existing asphalt road	940	m2 m2	13	52,976	includes disposal
1.5	Allowance to decommision existing street lights	4	no	3,125	12,500	Includes handing over of removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250	6,250	Existing seats, bike hoops etc.
1.7	Allowance for demolition of existing buildings		m2	50	-	N/A
2	ROAD PAVEMENT	1,048	?	240	251,520	Assumed detail 2 of standard conholt novement
2.1	New pavement Pedestrian Path	946	m2 m2	135		Assumed detail 2 of standard asphalt pavement Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path	520	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
3	KERB WORKS					
3.1	Kerb and Channel	181	LM	813		300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median Tactiles	52 6	LM	500 2,400	26,000 14,400	300x300 Bluestone Panda Granite
3.3	DRAINAGE		Item	2,400	14,400	Panda Granite
4.1	Drainage - pipes	181	LM	713	129.053	450mm on both sides of road
4.2	Drainage - pits	4	No.	3,750		Standard CoM Side Entry Pit
4.4	Drainage – Sub-soil drainage	181	LM	150	27,150	
4.3	Drainage – Miscellaneous		Item	-		N/A
5	TRAFFIC Traffic Signals		Item	200,000		assumed no modification to existing signals
5.1	Traffic Safety	<u> </u>	Item	200,000		N/A
6	LANDSCAPE					
6.1	Trees -centre median		No.	250		45L tree. No tree guard assumed
6.2	Trees -pedestrian path	12	No.	1,875	22,500	45L tree including tree guard and passive irrigation elements
6.2	Landscaping - centre median STREET LIGHTING		m2	75	-	
7.1	Street Lighting - Intersection	4	No.	12,500	50,000	Assumed 4 nos
7.2	Street Lighting - Bike path	2	No.	12,500		at 20m spacing along bike path, includes underground cabling and foundations
7.3	Conduits		m	875		
8	UTILITIES					
8.1 8.2	Allowance for non-disruptive digging	2	Item	18,750 355	37,500	Allowance for NDD 2 shifts
8.2	New water New sewer		m m	805		
8.4	New telco		m	75		
8.5	New gas		PS	10,000	-	
8.6	Relocate Gas	30	m	563	16,875	
8.7	Relocate Telco	50	m	625	31,250	
8.8	Relocate Water Protect utilities (Provisional Sum)	20	m PS	375 50,000	7,500 50.000	
8.10	Gas Transmission	1	m PS	10,000	50,000	
9	MISCELLANEOUS		***			
9.1	Line marking	1	Item	5,000	5,000	
9.2	Regulatory Signage	10	no	750		no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year Landscape maintenance – 1yr/2 summers	1	Item Item	5,000	5,000	
9.4	Traffic signals 10 year Maintenance Fee	1	Item	7,500 80,000	80.000	
5.5	SUB-TOTAL WORKS		Kolli	00,000	1,407,000	
12	DELIVERY					
12.1	Council Fees	3.25	%		45,700	
12.2	Other Authority Fees	1 7	%		14,100	
12.3 12.4	Traffic Management Environmental Management	7 0.5	%		98,500 7,000	
12.4	Survey/Design	0.5	%		7,000	
12.6	Supervision/Project Management	9	%	1	126,600	
12.7	Site Establishment	2.5	%		35,200	
12.8	Contingency	20	%		281,400	
<u></u>	SUB-TOTAL DELIVERY				679,000	
11	TOTAL ESTIMATED COST				2,086,000	
				1	2,000,000	II



IN-06 Arden Street and Munster Terrace

Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	704	m3	225		Assumed 300mm under existing roadway, allows for disposal of Cat C material
1.2	Allowance for demolition of existing kerbs	204 577	m	81 56		Includes disposal
1.3	Allowance for demolition of existing footpaths Allowance to mill existing asphalt road	5//	m2 m2	13	32,312	Includes disposal
1.5	Allowance to decommision existing street lights	4	no	3,125	12,500	Includes handing over of removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250		Existing seats, bike hoops etc.
1.7	Allowance for demolition of existing buildings		m2	50	-	N/A
2 2.1	ROAD PAVEMENT New pavement	1,469	m2	240	352,560	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path	577	m2	135	77,895	Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path	299	m2	135	40,365	Allowance to trim subbase and place 110mm of coloured asphalt
3.1	KERB WORKS Kerb and Channel	143	LM	813	146.050	300x300 Bluestone with 250 gutterstone
3.1	Kerb and Channel Kerb to centre median	143	LM LM	813 500		300x300 Bluestone with 250 gutterstone 300x300 Bluestone
3.3	Tactiles	4	Item	2,400		Panda Granite
4	DRAINAGE					
4.1	Drainage - pipes	143	LM No.	713 3,750		450mm on both sides of road Standard CoM Side Entry Pit
4.2	Drainage - pits Drainage - Sub-soil drainage	143	INO.	3,750	21,450	
4.3	Drainage – Miscellaneous		Item	-		N/A
5	TRAFFIC					
5.1 5.1	Traffic Signals - Modification of existing Traffic Safety		Item	200,000	-	Assumed no modification requird to existing traffic lights N/A
6	LANDSCAPE		Item	-	-	N/A
6.1	Trees -green link	2	No.	250	500	45L tree. No tree guard assumed
6.2	Trees -pedestrian path	6	No.	1,875		45L tree including tree guard and passive irrigation elements
6.2 7	Landscaping - green link STREET LIGHTING	64	m2	75	4,800	
7.1	Street Lighting - Intersection	4	No.	12,500	50,000	Assumed 4 nos
7.2	Street Lighting - Bike path		No.	12,500	-	at 20m spacing along bike path, includes underground cabling and foundations
7.3	Conduits		m	875		
8	UTILITIES		14	18,750	07.500	Allowers for NDD O shifts
8.1 8.2	Allowance for non-disruptive digging New water	2	Item m	355	37,500	Allowance for NDD 2 shifts
8.3	New sewer		m	805	-	
8.4	New telco		m	75	-	
8.5	New gas		PS	10,000	-	
8.6 8.7	Relocate Gas Relocate Telco	52	m m	563 625	32,500	
8.8	Relocate Water		m	375	-	
8.9	Protect utilities (Provisional Sum)	1	PS	50,000	50,000	
8.10	Gas Transmission		m	10,000	-	
9 9.1	MISCELLANEOUS Line marking	1	Item	5,000	5,000	
9.2	Regulatory Signage	10	no	750		no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year	1	Item	5,000	5,000	
9.4	Landscape maintenance – 1yr/2 summers		Item	7,500	-	National
9.5	Traffic signals 10 year Maintenance Fee SUB-TOTAL WORKS		Item	80,000	1,192,000	Not in scope
12	DELIVERY				1,132,000	
12.1	Council Fees	3.25	%		38,700	
12.2	Other Authority Fees	1 7	%		11,900	
12.3 12.4	Traffic Management Environmental Management	7 0.5	%		83,400 6,000	
12.4	Survey/Design	5	%		59,600	
12.6	Supervision/Project Management	9	%		107,300	
12.7	Site Establishment	2.5	%		29,800	
12.8	Contingency SUB-TOTAL DELIVERY	20	%		238,400 575,000	
	OOD-TOTAL BELIVERT				373,000	
11	TOTAL ESTIMATED COST				1,767,000	

IN-07 Fogarty Street and Barwise Stree

16	Description	Our malifer	Unit	Rate	A	0
Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	242	m3	225	54,405	Assumed 300mm under existing roadway, allows for disposal of Cat C material
1.2	Allowance for demolition of existing kerbs	70	m	81		Includes disposal
1.3	Allowance for demolition of existing footpaths	421	m2	56	23,576	Includes disposal
1.4	Allowance to mill existing asphalt road	4	m2 no	13 3,125	12 500	Includes handing over of removed posts
1.6	Allowance to decommision existing street lights Allowance to remove existing street furniture etc.	1	item	6,250	6,250	Existing seats, bike hoops etc.
1.7	Allowance for demolition of existing buildings	550	m2	50		tank demolition adjacent to site
2	ROAD PAVEMENT				,,,,,,	
2.1	New pavement	274	m2	240	65,760	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path	421	m2	135	56,835	Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path	111	m2	135	14,985	Allowance to trim subbase and place 110mm of coloured asphalt
3	KERB WORKS	70	LM	813	56,910	300x300 Bluestone with 250 gutterstone
3.1	Kerb and Channel Kerb to centre median	70	LM	813 500	56,910	300x300 Bluestone with 250 gutterstone 300x300 Bluestone
3.3	Tactiles	4	Item	2,400	9,600	
4	DRAINAGE			_,100	3,000	
4.1	Drainage - pipes	70	LM	713		450mm on both sides of road
4.2	Drainage - pits	2	No.	3,750		Standard CoM Side Entry Pit
4.4	Drainage – Sub-soil drainage	70	LM	150	10,500	
4.3	Drainage – Miscellaneous TRAFFIC		Item	-	-	N/A
5	Traffic Signals - Modification of existing		Item	200,000		
5.1	Traffic Safety		Item	200,000	-	N/A
6	LANDSCAPE					
6.1	Trees -centre median	-	No.	250	-	45L tree. No tree guard assumed
6.2	Trees -pedestrian path		No.	1,875		
6.2	Landscaping - cloudburst	95	m2	75	7,125	
7.1	STREET LIGHTING Street Lighting - Intersection	4	No.	12,500	E0.000	Assumed 4 nos
7.1	Street Lighting - Rike path	4	No.	12,500	50,000	at 20m spacing along bike path, includes underground cabling and foundations
7.3	Conduits		m	875		at zoni opaoning along bitto paut, motados andorgrouna cabining and roundations
8	UTILITIES					
8.1	Allowance for non-disruptive digging		Item	18,750	-	Allowance for NDD 2 shifts
8.2	New water	53	m	355	18,815	
8.3	New sewer	53	m	805	42,665	
8.4 8.5	New telco New gas	53 1	m PS	75 10,000	3,975 10,000	
8.6	Relocate Gas	<u>'</u>	m	563	10,000	
8.7	Relocate Telco		m	625		
8.8	Relocate Water		m	375	-	
8.9	Protect utilities (Provisional Sum)		PS	50,000	-	
8.10	Gas Transmission		m	10,000	-	
9 9.1	MISCELLANEOUS Line marking	1	Item	5,000	5,000	
9.1	Regulatory Signage	10	no	750	7,500	no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year	10	Item	5,000	5,000	
9.4	Landscape maintenance – 1yr/2 summers		Item	7,500		
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000	-	Not in scope
	SUB-TOTAL WORKS				552,000	
12	DELIVERY		0/		47 000	
12.1	Council Fees Other Authority Fees	3.25	%		17,900 5,500	
12.2	Traffic Management	7	%		38,600	
12.4	Environmental Management	0.5	%		2,800	
12.5	Survey/Design	5	%		27,600	
12.6	Supervision/Project Management	9	%		49,700	
12.7	Site Establishment	2.5	%		13,800	
12.8	Contingency	20	%		110,400	
—	SUB-TOTAL DELIVERY				266,000	
11	TOTAL ESTIMATED COST				818,000	
	LOTIMATED 0001		1	1	010,000	

IN-08 Laurens Street and Queensberry Street

	Description	Our malifer	Unit	Rate	A	0
Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	520	m3	225	116,978	Assumed 300mm under existing roadway, allows for disposal of Cat C material
1.2	Allowance for demolition of existing kerbs	228	m	81		Includes disposal
1.3	Allowance for demolition of existing footpaths	740	m2	56	41,440	Includes disposal
1.4	Allowance to mill existing asphalt road	4	m2	13	12 500	Includes handing a lay of removed nexts
1.5	Allowance to decommision existing street lights Allowance to remove existing street furniture etc.	1	no item	3,125 6,250		Includes handing over of removed posts Existing seats, bike hoops etc.
1.7	Allowance for demolition of existing buildings	· ·	m2	50	0,200	N/A
2	ROAD PAVEMENT					
2.1	New pavement	615	m2	240	147,600	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path	740	m2	135	99,900	Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path	378	m2	135	51,030	Allowance to trim subbase and place 110mm of coloured asphalt
3	KERB WORKS	000	LM	813	105.004	200v200 Bluestone with 250 gutterstone
3.1	Kerb and Channel Kerb to centre median	228	LM LM	813 500	185,364	300x300 Bluestone with 250 gutterstone 300x300 Bluestone
3.3	Tactiles	4	Item	2,400	9.600	Panda Granite
4	DRAINAGE	7		2,100	5,500	
4.1	Drainage - pipes	228	LM	713	162,564	450mm on both sides of road
4.2	Drainage - pits	5	No.	3,750		Standard CoM Side Entry Pit
4.4	Drainage – Sub-soil drainage	228	LM	150	34,200	
4.3	Drainage – Miscellaneous		Item	-	-	N/A
5	TRAFFIC Traffic Signals - Modification of existing		Item	200,000		
5.1	Traffic Safety		Item	200,000		N/A
6	LANDSCAPE		no			
6.1	Trees -centre median	6	No.	250	1,500	45L tree. No tree guard assumed
6.2	Trees -pedestrian path	16	No.	1,875		45L tree including tree guard and passive irrigation elements
6.2	Landscaping - centre median	257	m2	75	19,275	
7	STREET LIGHTING			40.500	50.000	
7.1 7.2	Street Lighting - Intersection Street Lighting - Bike path	4 2	No.	12,500 12,500		Assumed 4 nos at 20m spacing along bike path, includes underground cabling and foundations
7.3	Conduits		m m	875	23,000	at 2011 spacing along bike path, includes underground cabiling and foundations
8	UTILITIES			0.0		
8.1	Allowance for non-disruptive digging	2	Item	18,750	37,500	Allowance for NDD 2 shifts
8.2	New water		m	355	-	
8.3	New sewer		m	805	-	
8.4	New telco		m	75	-	
8.5 8.6	New gas Relocate Gas	26	PS m	10,000 563	14,625	
8.7	Relocate Gas Relocate Telco	50	m m	625	31,250	
8.8	Relocate Water		m	375		
8.9	Protect utilities (Provisional Sum)	1	PS	50,000	50,000	
8.10	Gas Transmission		m	10,000	-	
9	MISCELLANEOUS					
9.1	Line marking	1	Item	5,000	5,000	no of note manufact sizes accumed
9.2	Regulatory Signage Works maintenance – up to 1 year	10 1	no Item	750 5,000	7,500 5,000	no. of pole mounted signs assumed
9.3	Landscape maintenance – up to 1 year Landscape maintenance – 1yr/2 summers	1	Item	7,500	5,000	
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000		Not in scope
	SUB-TOTAL WORKS			,	1,181,000	·
12	DELIVERY				•	
12.1	Council Fees	3.25	%		38,400	
12.2	Other Authority Fees	1	%		11,800	
12.3	Traffic Management	7	%		82,700	
12.4 12.5	Environmental Management Survey/Design	0.5	%		5,900 59,100	
12.5	Supervision/Project Management	9	%		106,300	
12.7	Site Establishment	2.5	%		29,500	
12.8	Contingency	20	%		236,200	
	SUB-TOTAL DELIVERY				570,000	
11	TOTAL ESTIMATED COST				1,751,000	



IN-09 Munster Terrace and Queensberry Street

Item	Description	Quantity	Unit	Rate	Amount	Comments
Item	Description	Quantity	Offic	Rate	Amount	- Commence
	WORKS					
1	DEMOLITION	700	0	005	470.040	A
1.1	Earthworks including disposal Allowance for demolition of existing kerbs	796 293	m3 m	225 81		Assumed 300mm under existing roadway, allows for disposal of Cat C material Includes disposal
1.3	Allowance for demolition of existing footpaths	1,246	m2	56		Includes disposal
1.4	Allowance to mill existing asphalt road	<u> </u>	m2	13		'
1.5	Allowance to decommision existing street lights	4	no	3,125	12,500	Includes handing over of removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250		Existing seats, bike hoops etc.
1.7	Allowance for demolition of existing buildings ROAD PAVEMENT		m2	50	-	N/A
2.1	New pavement	751	m2	240	180.240	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path	1,246	m2	135	168,210	Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path	535	m2	135	72,225	Allowance to trim subbase and place 110mm of coloured asphalt
3	KERB WORKS					
3.1	Kerb and Channel	189 104	LM LM	813 500	153,657 52,000	300x300 Bluestone with 250 gutterstone 300x300 Bluestone
3.2	Kerb to centre median Tactiles	104	LM Item	2,400		Panda Granite
4	DRAINAGE	12	IICIII	2,400	20,000	Tanda Granic
4.1	Drainage - pipes	189	LM	713	134,757	450mm on both sides of road
4.2	Drainage - pits	4	No.	3,750		Standard CoM Side Entry Pit
4.4	Drainage – Sub-soil drainage	189	LM	150	28,350	
4.3	Drainage – Miscellaneous		Item	-	-	N/A
5	TRAFFIC Traffic Signals - Modification of existing		Item	200,000		Assumed no modification requird to existing traffic lights
5.1	Traffic Safety		Item	200,000		N/A
6	LANDSCAPE					
6.1	Trees -centre median	2	No.	250	500	45L tree. No tree guard assumed
6.2	Trees -pedestrian path	8	No.	1,875		45L tree including tree guard and passive irrigation elements
6.2	Landscaping - centre median	120	m2	75	9,000	
7.1	STREET LIGHTING Street Lighting - Intersection	4	No.	12,500	50,000	Assumed 4 nos
7.1	Street Lighting - Bike path	2	No.	12,500		at 20m spacing along bike path, includes underground cabling and foundations
7.3	Conduits		m	875		
8	UTILITIES					
8.1	Allowance for non-disruptive digging	2	Item	18,750		Allowance for NDD 2 shifts
8.2	New water		m	355	-	
8.3 8.4	New sewer New telco		m m	805 75		
8.5	New gas		PS	10,000		
8.6	Relocate Gas		m	563		
8.7	Relocate Telco	30	m	625	18,750	
8.8	Relocate Water	80	m	375	30,000	
8.9	Protect utilities (Provisional Sum)	1_	PS	50,000	50,000	
8.10 9	Gas Transmission MISCELLANEOUS		m	10,000	-	
9.1	Line marking	1	Item	10,000	10,000	
9.2	Regulatory Signage	10	no	FALSE		no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year	1	Item	5,000	5,000	
9.4	Landscape maintenance – 1yr/2 summers		Item	7,500	-	
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000	4 077 000	Not in scope
12	SUB-TOTAL WORKS DELIVERY				1,375,000	
12.1	Council Fees	3.25	%		44,700	
12.2	Other Authority Fees	1	%		13,800	
12.3	Traffic Management	7	%		96,300	
12.4	Environmental Management	0.5	%		6,900	
12.5	Survey/Design	5	%		68,800	
12.6 12.7	Supervision/Project Management Site Establishment	9 2.5	%		123,800 34,400	
12.7	Contingency	2.5	%		275.000	
12.0	SUB-TOTAL DELIVERY	20	,,,		664,000	
					, , , , , , , , , , , , , , , , , , , ,	
11	TOTAL ESTIMATED COST				2,039,000	

IN-10 Laurens Street and Fogarty Street

Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	372	m3	225	83,768	Assumed 300mm under existing roadway, allows for disposal of Cat C material
1.2	Allowance for demolition of existing kerbs	124	m	81	10,044	Includes disposal
1.3	Allowance for demolition of existing footpaths Allowance to mill existing asphalt road	606	m2 m2	56 13	33,936	Includes disposal
1.5	Allowance to decommission existing street lights	4	no	3,125	12,500	Includes handing over of removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250		Existing seats, bike hoops etc.
1.7	Allowance for demolition of existing buildings ROAD PAVEMENT		m2	50	-	N/A
2.1	New pavement	382	m2	240	91,680	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path	606	m2	135	81,810	Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path	253	m2	135	34,155	Allowance to trim subbase and place 110mm of coloured asphalt
3	KERB WORKS Kerb and Channel	84	LM	813	68,292	300x300 Bluestone with 250 gutterstone
3.1	Kerb to centre median	40	LM	500	20,000	300x300 Bluestone 300x300 Bluestone
3.3	Tactiles	4	Item	2,400	9,600	
4	DRAINAGE					
4.1	Drainage - pipes Drainage - pits	84 2	LM No.	713 3,750	59,892 7,500	450mm on both sides of road Standard CoM Side Entry Pit
4.4	Drainage - Sub-soil drainage	84	LM	150	12,600	N/A
4.3	Drainage – Miscellaneous		Item	-	-	N/A
5	TRAFFIC			000.000		
5.1 5.1	Traffic Signals - Modification of existing Traffic Safety		Item Item	200,000	-	Assumed no modification requird to existing traffic lights N/A
6	LANDSCAPE		item			IVA
6.1	Trees -centre median		No.	250		45L tree. No tree guard assumed
6.2	Trees -pedestrian path	69	No. m2	1,875 75	11,250 5,175	45L tree including tree guard and passive irrigation elements
7	Landscaping - centre median STREET LIGHTING	69	m2	/5	5,175	
7.1	Street Lighting - Intersection	4	No.	12,500	50,000	Assumed 4 nos
7.2	Street Lighting - Bike path	14	No.	12,500	175,000	at 20m spacing along bike path, includes underground cabling and foundations
7.3	Conduits UTILITIES		m	875		
8.1	Allowance for non-disruptive digging	2	Item	18,750	37,500	Allowance for NDD 2 shifts
8.2	New water		m	355	-	
8.3	New sewer		m	805		
8.4 8.5	New telco New gas		m PS	75 10,000	-	
8.6	Relocate Gas		m	563	-	
8.7	Relocate Telco		m	625	-	
8.8 8.9	Relocate Water Protect utilities (Provisional Sum)	1	m PS	375 50,000	50,000	
8.10	Gas Transmission	'	m	10,000	50,000	
9	MISCELLANEOUS					
9.1	Line marking	1	Item	5,000	5,000	
9.2	Regulatory Signage Works maintenance – up to 1 year	10 1	no Item	750 5,000	7,500 5,000	no. of pole mounted signs assumed
9.4	Landscape maintenance – up to 1 year Landscape maintenance – 1yr/2 summers		Item	7,500	3,000	
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000	-	Not in scope
- 40	SUB-TOTAL WORKS				878,000	
12 12.1	DELIVERY Council Fees	3.25	%		28,500	
12.2	Other Authority Fees	1	%		8,800	
12.3	Traffic Management	7	%		61,500	
12.4 12.5	Environmental Management	0.5	%		4,400 43,900	
12.6	Survey/Design Supervision/Project Management	5 9	%	1	43,900 79,000	
12.7	Site Establishment	2.5	%		22,000	
12.8	Contingency	20	%		175,600	
-	SUB-TOTAL DELIVERY				424,000	
11	TOTAL ESTIMATED COST				1,302,000	
	• •				,,	

IN-11 Munster Terrace and Victoria Street

16	Description	Our malifer	Unit	Rate	A	0
Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	384	m3	225	86,468	Assumed 300mm under existing roadway, allows for disposal of Cat C material
1.2	Allowance for demolition of existing kerbs	261	m	81		Includes disposal
1.3	Allowance for demolition of existing footpaths	564	m2	56	31,584	Includes disposal
1.4	Allowance to mill existing asphalt road Allowance to decommision existing street lights	4	m2 no	13 3,125	12 500	Includes handing over of removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250		Existing seats, bike hoops etc.
1.7	Allowance for demolition of existing buildings		m2	50	-	N/A
2	ROAD PAVEMENT					
2.1	New pavement	476	m2	240		Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path	564	m2	135	76,140	Allowance to trim subbase and place 110mm of coloured asphalt
2.3 3	Bike Path KERB WORKS	241	m2	135	32,535	Allowance to trim subbase and place 110mm of coloured asphalt
3.1	Kerb and Channel	164	LM	813	133.332	300x300 Bluestone with 250 gutterstone
3.2	Kerb to centre median	97	LM	500		300x300 Bluestone
3.3	Tactiles	6	Item	2,400	14,400	Panda Granite
4	DRAINAGE					
4.1	Drainage - pipes	164	LM	713		450mm on both sides of road
4.2	Drainage - pits Drainage - Sub-soil drainage	164	No. LM	3,750 150	15,000 24,600	Standard CoM Side Entry Pit
4.3	Drainage – Miscellaneous	104	Item	-	24,000	N/A
5	TRAFFIC		Kom			107
5.1	Traffic Signals - Modification of existing		Item	200,000	-	
5.1	Traffic Safety		Item	-		N/A
6	LANDSCAPE			050		
6.1	Trees -centre median Trees -pedestrian path	6	No.	250 1,875		45L tree. No tree guard assumed 45L tree including tree guard and passive irrigation elements
6.2	Landscaping - centre median	397	m2	75	29.775	43E tree including tree guard and passive inigation elements
7	STREET LIGHTING				20,110	
7.1	Street Lighting - Intersection	4	No.	12,500	50,000	Assumed 4 nos
7.2	Street Lighting - Bike path		No.	12,500	-	at 20m spacing along bike path, includes underground cabling and foundations
7.3	Conduits		m	875		
8 8.1	UTILITIES Allowance for non-disruptive digging	2	Item	18,750	37,500	Allowance for NDD 2 shifts
8.2	New water		m	355	07,000	Allowance for NBB 2 Stills
8.3	New sewer		m	805		
8.4	New telco		m	75	-	
8.5	New gas		PS	10,000		
8.6	Relocate Gas		m	563	-	
8.7 8.8	Relocate Telco Relocate Water		m m	625 375	<u> </u>	
8.9	Protect utilities (Provisional Sum)	1	m PS	50,000	50,000	
8.10	Gas Transmission		m	10,000		
9	MISCELLANEOUS					
9.1	Line marking	1	Item	5,000	5,000	
9.2	Regulatory Signage	10	no	750	7,500	no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year Landscape maintenance – 1yr/2 summers	1	Item Item	5,000 7,500	5,000	
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000	-	Not in scope
	SUB-TOTAL WORKS			22,300	931,000	,
12	DELIVERY					
12.1	Council Fees	3.25	%		30,300	
12.2	Other Authority Fees	1 7	%		9,300	
12.3 12.4	Traffic Management Environmental Management	7 0.5	%		65,200 4,700	
12.4	Survey/Design	0.5	%		46,600	
12.6	Supervision/Project Management	9	%		83,800	
12.7	Site Establishment	2.5	%		23,300	
12.8	Contingency	20	%		186,200	
	SUB-TOTAL DELIVERY				449,000	
11	TOTAL ESTIMATED COST				1,380,000	
	TOTAL ESTIMATED COST		1	1	1,300,000	

IN-12 Laurens Street and Miller Street

Marine .	December 1	0	11-16	D-4-		0
Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	DEMOLITION	201		205	07.005	
1.1	Earthworks including disposal Allowance for demolition of existing kerbs	391 137	m3 m	225 81		Assumed 300mm under existing roadway, allows for disposal of Cat C material Includes disposal
1.3	Allowance for demolition of existing footpaths	590	m2	56		Includes disposal
1.4	Allowance to mill existing asphalt road		m2	13		
1.5	Allowance to decommision existing street lights	4	no	3,125	12,500	Includes handing over of removed posts
1.6	Allowance to remove existing street furniture etc.	1	item	6,250		Existing seats, bike hoops etc.
1.7	Allowance for demolition of existing buildings ROAD PAVEMENT		m2	50	<u> </u>	N/A
2.1	New pavement	496	m2	240	119,040	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path	590	m2	135	79,650	Allowance to trim subbase and place 110mm of coloured asphalt
2.3	Bike Path	216	m2	135	29,160	Allowance to trim subbase and place 110mm of coloured asphalt
3	KERB WORKS					
3.1	Kerb and Channel	137	LM	813	111,381	
3.2	Kerb to centre median Tactiles	4	LM Item	500 2,400	9,600	300x300 Bluestone Panda Granite
4	DRAINAGE	4	item	2,400	3,000	1 and Granto
4.1	Drainage - pipes	137	LM	713	97,681	450mm on both sides of road
4.2	Drainage - pits	3	No.	3,750	11,250	
4.4	Drainage – Sub-soil drainage	137	LM	150	20,550	
4.3	Drainage – Miscellaneous		Item	-		N/A
5	TRAFFIC Traffic Signals - Modification of existing		Item	200,000		Assumed no modification requird to existing traffic lights
5.1	Traffic Safety		Item	200,000	<u>-</u>	N/A
6	LANDSCAPE		110111			
6.1	Trees -centre median	-	No.	250	-	
6.2	Trees -pedestrian path	11	No.	1,875	20,625	45L tree including tree guard and passive irrigation elements
6.2	Landscaping - centre median	-	m2	75	-	
7	STREET LIGHTING		N-	40.500	50.000	Assumed 4 nos
7.1	Street Lighting - Intersection Street Lighting - Bike path	4	No.	12,500 12,500	50,000	at 20m spacing along bike path, includes underground cabling and foundation
7.3	Conduits		m	875		at 2011 spacing along bite path, includes underground cabling and roundation
8	UTILITIES					
8.1	Allowance for non-disruptive digging	2	Item	18,750	37,500	Allowance for NDD 2 shifts
8.2	New water		m	355	-	
8.3	New sewer		m	805	<u>-</u>	
8.4 8.5	New telco New gas		m PS	75 10,000		
8.6	Relocate Gas		m	563	<u>-</u>	
8.7	Relocate Telco	35	m	625	21,875	
8.8	Relocate Water		m	375	*	
8.9	Protect utilities (Provisional Sum)	1	PS	50,000	50,000	
8.10	Gas Transmission		m	10,000		
9 9.1	MISCELLANEOUS	1	Item	5,000	5,000	
9.2	Line marking Regulatory Signage	10	no	750		no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year	1	Item	5,000	5,000	
9.4	Landscape maintenance – 1yr/2 summers		Item	7,500	-	
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000	-	Not in scope
	SUB-TOTAL WORKS				827,000	
12	DELIVERY Council Face	0.05	0'	+ +	00.000	
12.1	Council Fees Other Authority Fees	3.25 1	%		26,900 8,300	
12.3	Traffic Management	7	% %	+	57,900	
12.4	Environmental Management	0.5	%		4,100	
12.5	Survey/Design	5	%		41,400	
12.6	Supervision/Project Management	9	%		74,400	
12.7	Site Establishment	2.5	%		20,700	
12.8	Contingency	20	%	1	165,400	
	SUB-TOTAL DELIVERY			+	399,000	
				1		I and the second



IN-13 Arden Street and Langford Street

Itom	Description	Quantity	Holt	Pote	Amount	Comments
ltem	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1 1.1	DEMOLITION	1,616		225	262 555	Assumed 300mm under existing roadway, allows for disposal of Cat C materia
	Earthworks including disposal Allowance for demolition of existing kerbs	98	m3 m	81		Includes disposal
	Allowance for demolition of existing footpaths	470	m2	56		Includes disposal
1.4	Allowance to mill existing asphalt road		m2	13		
	Allowance to decommision existing street lights	2	no	3,125		Includes handing over of removed posts
1.6	Allowance to remove existing street furniture etc. Allowance for demolition of existing buildings	1	item m2	6,250 50		Existing seats, bike hoops etc. N/A
2	ROAD PAVEMENT		IIIZ	50		IN/A
	New pavement	2,128	m2	240	510,720	Assumed detail 2 of standard asphalt pavement
2	Pedestrian Path	2,081	m2	135		Allowance to trim subbase and place 110mm of coloured asphalt
	Bike Path	857	m2	135	115,695	Allowance to trim subbase and place 110mm of coloured asphalt
3 .1	KERB WORKS Kerb and Channel	320	LM	813	260,160	
.2	Kerb and Channel Kerb to centre median	320	LM	813 500	200,160	
.3	Tactiles	8	Item	2,400	19,200	Panda Granite
	DRAINAGE					
	Drainage - pipes	320	LM	713		450mm on both sides of road
	Drainage - pits	6	No.	3,750		Standard CoM Side Entry Pit
1.4	Drainage – Sub-soil drainage Drainage – Miscellaneous	320 320	LM m2	150 300	48,000	Cloudburst
5	TRAFFIC	320	IIIZ	300	90,000	Ciodabarsi
5.1	Traffic Signals -	1	Item	400,000	400,000	
5.1	Traffic Safety		Item	-	-	N/A
6	LANDSCAPE					
3.1	Trees -centre median		No.	250		45L tree. No tree guard assumed
3.2 3.2	Trees -pedestrian path Landscaping -	16	No. m2	1,875 75	30,000	45L tree including tree guard and passive irrigation elements
7	STREET LIGHTING		IIIZ	73		
7.1	Street Lighting - Intersection	6	No.	12,500	75,000	Assumed 4 nos
7.2	Street Lighting - Bike path	2	No.	12,500		at 20m spacing along bike path, includes underground cabling and foundation
	Conduits		m	875	-	
	Allowance for non-disruptive digging	4	Item	18,750	75.000	Allowance for NDD 2 shifts
3.2	New water	40	m	355	14,200	Allowance for NDD 2 stills
3.3	New sewer	40	m	805	32,200	
3.4	New telco	40	m	75	3,000	
	New gas	40	PS	10,000	400,000	
	Relocate Gas	65	m	563	36,563	
3.7 3.8	Relocate Telco Relocate Water	65	m m	625 375	24,375	
3.8 3.9	Protect utilities (Provisional Sum)	1	PS	50,000	50,000	
.10	Gas Transmission		m	10,000	-	
9	MISCELLANEOUS		_			
	Line marking		Item	5,000		
	Regulatory Signage	10	no	750		no. of pole mounted signs assumed
0.3	Works maintenance – up to 1 year Landscape maintenance – 1yr/2 summers	1	Item Item	5,000 7,500	5,000	
9.4	Traffic signals 10 year Maintenance Fee	1	Item Item	7,500 80,000	80,000	
	SUB-TOTAL WORKS			55,550	3,250,000	
	DELIVERY					
	Council Fees	3.25	%		105,600	
	Other Authority Fees	1	%		32,500	
2.3	Traffic Management Environmental Management	7 0.5	%		227,500 16,300	
2.4	Survey/Design	0.5	% %		162.500	
2.6	Supervision/Project Management	9	%		292,500	
2.7	Site Establishment	2.5	%		81,300	
	Contingency	20	%		650,000	
_	SUB-TOTAL DELIVERY				1,568,000	

CC-02 416 m

Item	Description	Quantity	Unit	Rate	Amount	Comments
TIGHT.		Quantity	- Onic	- Nate	Amount	Comments
1	WORKS DEMOLITION					
	Earthworks including disposal	499	m3	225	112.320	Allowed for excavation and disposal. Assumed 300mm Cat C
	Allowance for demolition of existing kerbs		m	81	-	
1.3	Allowance for demolition of existing footpaths	-	m2	56	-	
1.4	Allowance to mill existing asphalt road		m2	13		
1.5 1.6	Allowance to decommision existing street lights Allowance to remove existing street furniture etc.		no item	3,125 6,250		
1.7	Allowance for demolition of existing buildings	<u> </u>	m2	50	<u>-</u>	
2	ROAD PAVEMENT			00		
2.1	New pavement -		m2	240		
2.2	Pedestrian Path -	-	m2	135	-	
2.3	Bike Path - 4m KERB WORKS	1,664	m2	135	224,640	CoM Type 2 pavement profile
3	Kerb and Channel		LM	813		300x300 Bluestone with 250 gutterstone
3.2	Kerb to running path		LM	500		300x300 Bluestone
3.3	Rumble Strips	2	Item	2,400	4,800	
4	DRAINAGE			-		
4.1	Drainage - pipes	-	LM	713		N/A
4.2	Drainage - pits	-	No. LM	3,750	-	N/A
4.3	Drainage – Sub-soil drainage Drainage – Miscellaneous (Description)	-	Item	150		N/A N/A
5	TRAFFIC		iteiii	-	<u> </u>	IN/A
5.1	Traffic Signals		Item	200,000	-	Excluded
5.1	Traffic Safety		Item	-		
6	LANDSCAPE			-		
6.1	Trees -centre median	-	No.	250	-	
6.2	Trees -pedestrian path Landscaping - centre median		No. m2	1,875 75	-	
7	STREET LIGHTING		IIIZ	75		
7.1	Street Lighting		No.	12,500		
7.2	Bike Path Lighting	-	No.	12,500	-	
7.3	Conduits	-	m	875		
8	UTILITIES		14	40.750		Allowers for NDD 0 - Life
8.1 8.2	Allowance for non-disruptive digging New water		Item m	18,750 355		Allowance for NDD 2 shifts
8.3	New sewer		m	805		
8.4	New telco		m	75	-	
8.5	New gas		PS	10,000		
8.6	Relocate Gas		m	563		
8.7	Relocate Telco		m	625		
8.8 8.9	Relocate Water Protect utilities (Provisional Sum)		m PS	375 50,000		
8.10	Gas Transmission		m	10,000	-	
9	MISCELLANEOUS					
9.1	Line marking	1	Item	5,000	5,000	
9.2	Regulatory Signage	10	no	750	7,500	no. of pole mounted signs assumed
9.3 9.4	Works maintenance – up to 1 year Landscape maintenance – 1yr/2 summers	1	Item Item	5,000 7,500	5,000	Excluded
9.4	Traffic signals 10 year Maintenance Fee		Item	80,000	-	Not in scope
5.5	SUB-TOTAL WORKS		Item	55,500	359,000	rtor in occipo
12	DELIVERY				223,000	
12.1	Council Fees	3.25	%		11,700	
12.2	Other Authority Fees	1	%		3,600	
12.3 12.4	Traffic Management	7 0.5	%		25,100	
12.4	Environmental Management Survey/Design	0.5	%		1,800 18,000	
12.5	Supervision/Project Management	9	%		32,300	
12.7	Site Establishment	2.5	%		9,000	
12.8	Contingency	20	%		71,800	
	SUB-TOTAL DELIVERY				173,000	
11	TOTAL ESTIMATED COST				532,000	



CC-03 196 m

Item	Description	Quantity	Unit	Rate	Amount	Comments
item	Description	Quantity	Onic	Rate	Amount	Comments
1	WORKS DEMOLITION					
1.1	Earthworks including disposal	235	m3	225	52.920	Allowed for excavation and disposal. Assumed 300mm Cat C
1.2	Allowance for demolition of existing kerbs		m	81	-	Includes disposal
1.3	Allowance for demolition of existing footpaths		m2	56	-	Includes disposal
1.4	Allowance to mill existing asphalt road		m2	13		
1.5 1.6	Allowance to decommision existing street lights Allowance to remove existing street furniture etc.		no item	3,125 6,250		
1.7	Allowance for demolition of existing buildings		m2	50	<u>:</u>	
2	ROAD PAVEMENT		2	00		
2.1	New pavement		m2	240		
2.2	Pedestrian Path -	-	m2	135	-	
2.3 3	Bike Path - 4m KERB WORKS	784	m2	135	105,840	CoM Type 2 pavement profile
3.1	Kerb and Channel		LM	813		300x300 Bluestone with 250 gutterstone
3.2	Kerb to running path		LM	500		300x300 Bluestone
3.3	Rumble Strips	2	Item	2,400	4,800	Panda Granite
4	DRAINAGE			-		
4.1	Drainage - pipes		LM	713		N/A
4.2	Drainage - pits Drainage - Sub-soil drainage		No. LM	3,750 150	-	N/A N/A
4.4	Drainage – Sub-soil drainage Drainage – Miscellaneous (Description)	-	Item	-		N/A
5	TRAFFIC		Kom	-		
5.1	Traffic Signals		Item	200,000	-	Excluded
5.1	Traffic Safety		Item	-		
6	LANDSCAPE			-		
6.1	Trees -centre median Trees -pedestrian path	-	No.	250 1,875	-	45L tree. No tree guard assumed 45L tree including tree guard
6.3	Landscaping -	276	m2	1,675	3,312	Hydroseed adjacent to path
7	STREET LIGHTING	210	1112	-	0,012	Trydroseed adjacent to path
7.1	Street Lighting		No.	12,500		
7.2	Bike Path Lighting	-	No.	12,500		
7.3	Conduits UTILITIES	-	m	875	-	
8 8.1	Allowance for non-disruptive digging		Item	18,750		
8.2	New water		m	355	-	
8.3	New sewer		m	805	-	
8.4	New telco		m	75	-	
8.5	New gas		PS	10,000	-	
8.6 8.7	Relocate Gas Relocate Telco		m m	563 625	<u>-</u>	
8.8	Relocate Water		m m	375		
8.9	Protect utilities (Provisional Sum)		PS	50,000		
8.10	Gas Transmission		m	10,000	-	
9	MISCELLANEOUS	-				
9.1	Line marking	1	Item	5,000	5,000	no of note mounted signs assumed
9.2	Regulatory Signage Works maintenance – up to 1 year	4	no Item	750 5,000	3,000 5,000	no. of pole mounted signs assumed
9.4	Landscape maintenance – up to 1 year Landscape maintenance – 1yr/2 summers		Item	7,500	5,000	Excluded
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000	-	Not in scope
	SUB-TOTAL WORKS				180,000	
12	DELIVERY		2/			
12.1	Council Fees	3.25	%		5,900	
12.2 12.3	Other Authority Fees Traffic Management	7	%	+ +	1,800 12,600	
12.4	Environmental Management	0.5	%		900	
12.5	Survey/Design	5	%		9,000	
12.6	Supervision/Project Management	9	%		16,200	
12.7	Site Establishment	2.5	%		4,500	
12.8	Contingency	20	%		36,000	
	SUB-TOTAL DELIVERY				87,000	
	TOTAL FORMATED COST					
11	TOTAL ESTIMATED COST				267,000	



CC-04 196 m

Item	Description	Quantity	Unit	Rate	Amount	Comments
itein	Description	Qualitity	Offic	Nate	Aillouilt	Comments
	WORKS DEMOLITION					
	Earthworks including disposal	235	m3	225	52 920	Allowed for excavation and disposal. Assumed 300mm Cat C
	Allowance for demolition of existing kerbs	200	m	81	- 52,320	Includes disposal
1.3	Allowance for demolition of existing footpaths		m2	56		Includes disposal
	Allowance to mill existing asphalt road		m2	13		
	Allowance to decommision existing street lights		no	3,125	-	Includes handing over the removed posts
	Allowance to remove existing street furniture etc. Allowance for demolition of existing buildings		item m2	6,250 50	-	Assumed existing trees remain
	ROAD PAVEMENT		IIIZ	30		
	New pavement		m2	240	-	
	Pedestrian Path -		m2	135		
	Bike Path - 2m	784	m2	25	19,600	Surface treatment only
	KERB WORKS Kerb and Channel	_	LM	813	_	300x300 Bluestone with 250 gutterstone
	Kerb and Channel Kerb to running path	<u>-</u>	LM	500		300x300 Bluestone with 250 gutterstone 300x300 Bluestone
	Rumble Strips	-	Item	2,400	-	
	DRAINAGE		_	-	•	
	Drainage - pipes	-	LM	713		N/A
4.2 4.3	Drainage - pits Drainage - Sub-soil drainage	-	No. LM	3,750 150	-	N/A N/A
	Drainage – Sub-soil drainage Drainage – Miscellaneous (Description)	-	Item	150		N/A
	TRAFFIC		1.0111	-		144
5.1	Traffic Signals		Item	200,000	-	Excluded
5.1	Traffic Safety	8	Item	3,200	25,600	
	LANDSCAPE		N.	-		AFI has No to a second assessed
	Trees -centre median Trees -pedestrian path	-	No. No.	250 1,875	-	45L tree. No tree guard assumed 45L tree including tree guard
	Landscaping -		m2	75	-	402 lice including lice guard
	STREET LIGHTING			-		
	Street Lighting		No.	12,500	-	
	Bike Path Lighting		No.	12,500		
	Conduits UTILITIES	-	m	875	-	
	Allowance for non-disruptive digging		Item	18,750	-	
	New water		m	355		
	New sewer		m	805	-	
	New telco		m	75	-	
	New gas Relocate Gas		PS m	10,000 563	-	
	Relocate Telco		m	625		
8.8	Relocate Water		m	375		
	Protect utilities (Provisional Sum)		PS	50,000		
	Gas Transmission		m	10,000	-	
	MISCELLANEOUS Line marking	4	Item	5,000	20,000	
	Regulatory Signage	18	no	750	13,500	no. of pole mounted signs assumed
	Works maintenance – up to 1 year	1	Item	5,000	5,000	,,
9.4	Landscape maintenance – 1yr/2 summers		Item	7,500	-	Excluded
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000	-	Not in scope
12	SUB-TOTAL WORKS DELIVERY				137,000	
	Council Fees	3.25	%		4,500	
	Other Authority Fees	1	%		1,400	
12.3	Traffic Management	7	%		9,600	
	Environmental Management	0.5	%		700	
	Survey/Design	5	%		6,900	
	Supervision/Project Management Site Establishment	9 2.5	%		12,300 3,400	
	Contingency	2.5	%		27,400	
	SUB-TOTAL DELIVERY				66,000	
			-		-	
	TOTAL ESTIMATED COST			1	203,000	I .



CC05 130 m

Item	Description	Quantity	Unit	Rate	Amount	Comments
-Itolir	Description	Quantity	Onit	Rute	- Amount	- Commence
	WORKS					
1	DEMOLITION					
1.1	Earthworks including disposal	156	m3	225	35,100	Allowed for excavation and disposal. Assumed 300mm Cat C
1.2	Allowance for demolition of existing kerbs		m	81	-	Includes disposal
1.3	Allowance for demolition of existing footpaths Allowance to mill existing asphalt road		m2 m2	56 13	-	Includes disposal
1.5	Allowance to decommision existing street lights		no	3,125	-	Includes handing over the removed posts
1.6	Allowance to remove existing street furniture etc.		item	6,250	-	Assumed existing trees remain
1.7	Allowance for demolition of existing buildings		m2	50	-	
2.1	ROAD PAVEMENT New pavement		m2	240		
2.2	Pedestrian Path -		m2	135	-	
2.3	Bike Path - 2m	520	m2	25	13,000	Surface treatment only
3	KERB WORKS			040		200, 200 Plus de servite 250 serte servi
3.1	Kerb and Channel Kerb to running path	-	LM LM	813 500	-	300x300 Bluestone with 250 gutterstone 300x300 Bluestone
3.3	Rumble Strips	-	Item	2,400	-	Panda Granite
4	DRAINAGE					
4.1	Drainage - pipes Drainage - pits		LM No.	713 3,750		N/A N/A
4.2	Drainage - Sub-soil drainage		LM	150		N/A
4.4	Drainage – Miscellaneous (Description)		Item	-		N/A
5	TRAFFIC			-		
5.1 5.1	Traffic Signals Traffic Management	2	Item Item	200,000 3,200	6,400	Excluded
6	LANDSCAPE		item	3,200	0,400	
6.1	Trees -centre median		No.	250	-	45L tree. No tree guard assumed
6.2	Trees -pedestrian path		No.	1,875		45L tree including tree guard
6.3	Landscaping - STREET LIGHTING		m2	75	<u> </u>	
7.1	Street Lighting	-	No.	12,500	-	
7.2	Bike Path Lighting		No.	12,500		
7.3	Conduits UTILITIES	-	m	875	-	
8 8.1	Allowance for non-disruptive digging		Item	18,750		
8.2	New water		m	355	-	
8.3	New sewer		m	805	-	
8.4 8.5	New telco		m PS	75 10,000	-	
8.6	New gas Relocate Gas		m	563	-	
8.7	Relocate Telco		m	625		
8.8	Relocate Water		m	375		
8.9 8.10	Protect utilities (Provisional Sum) Gas Transmission		PS m	50,000 10,000		
9	MISCELLANEOUS			10,000		
9.1	Line marking	2	Item	5,000	10,000	
9.2	Regulatory Signage	6	no	750		no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year Landscape maintenance – 1yr/2 summers	1	Item Item	5,000 7,500	5,000	Excluded
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000	-	Not in scope
	SUB-TOTAL WORKS				74,000	
12	DELIVERY Council Face	0.05	0/		2 400	
12.1	Council Fees Other Authority Fees	3.25	%		2,400 700	
12.3	Traffic Management	7	%		5,200	
12.4	Environmental Management	0.5	%		400	
12.5	Survey/Design	5	%		3,700	
12.6 12.7	Supervision/Project Management Site Establishment	9 2.5	%		6,700 1,900	
12.8	Contingency	20	%		14,800	
	SUB-TOTAL DELIVERY				36,000	
11	TOTAL ESTIMATED COST				110,000	



PED-01 20 m

Item	Description	Quantity	Unit	Rate	Amount	Comments
		,				
1	WORKS					
1.1	DEMOLITION Earthworks including disposal	36	m3	225	8,100	Allowed for excavation and disposal. Assumed 300mm under existing footpath
1.2	Allowance for demolition of existing kerbs	40	m	81		Includes disposal
1.3	Allowance for demolition of existing footpaths	140	m2	56	7,840	Includes disposal
1.4	Allowance to mill existing asphalt road		m2	13		
1.5	Allowance to decommision existing street lights Allowance to remove existing street furniture etc.		no item	3,125 6,250	-	Includes handing over the removed posts Assumed existing trees remain
1.7	Allowance for demolition of existing buildings		m2	50	-	Assumed existing frees remain
2	ROAD PAVEMENT			00		
2.1	New pavement - 2x3.5m	120	m2	240	28,800	Assumed detail 2 of standard asphalt pavement
2.2	Pedestrian Path -		m2	135	-	
2.3 3	Bike Path - KERB WORKS		m2	135		
3.1	Kerb and Channel	40	LM	813	32,520	300x300 Bluestone with 250 gutterstone
3.2	Kerb to running path	40	LM	500	20,000	300x300 Bluestone
3.3	Tactiles	2	Item	2,400	4,800	Panda Granite
4	DRAINAGE			-		
4.1	Drainage - pipes	40	LM	713		450mm on both sides of road
4.2	Drainage - pits Drainage - Sub-soil drainage	1 40	No. LM	3,750 150	3,750 6,000	At 50m intervals
4.4	Drainage – Miscellaneous (Description)	70	Item	-		N/A
5	TRAFFIC			-		
5.1	Traffic Signals	1	Item	100,000	100,000	Excluded
5.1	Traffic Safety		Item	-	-	Excluded
6	LANDSCAPE		Ni-	-		AFI have No have a second assumed
6.1	Trees -centre median Trees -pedestrian path	-	No. No.	250 1,875		45L tree. No tree guard assumed 45L tree including tree guard
6.3	Landscaping - centre median		m2	75	-	TOE field field guard
7	STREET LIGHTING			-		
7.1	Street Lighting	-	No.	12,500	-	Incl in roadway
7.2	Bike Path Lighting		No.	12,500	-	
7.3	Conduits UTILITIES	-	m	875	-	
8.1	Allowance for non-disruptive digging		Item	18,750	-	Allowance for NDD 2 shifts
8.2	New water		m	355	-	
8.3	New sewer		m	805	-	
8.4	New telco		m	75	-	
8.5 8.6	New gas Relocate Gas		PS	10,000 563		
8.7	Relocate Telco		m m	625		No allowance for undergrounding of overhead electrical
8.8	Relocate Water		m	375		
8.9	Protect utilities (Provisional Sum)		PS	50,000		
8.10	Gas Transmission		m	10,000		
9 9.1	MISCELLANEOUS Line marking	1	Item	5,000	5,000	
9.1	Regulatory Signage	6	no	750		no. of pole mounted signs assumed
9.3	Works maintenance – up to 1 year	1	Item	5,000	5,000	p
9.4	Landscape maintenance – 1yr/2 summers		Item	7,500	-	Excluded
9.5	Traffic signals 10 year Maintenance Fee		Item	80,000	-	Not in scope
	SUB-TOTAL WORKS				258,000	
12 12.1	DELIVERY Council Fees	3.25	%		8,400	
12.1	Other Authority Fees	3.25	%		2.600	
12.3	Traffic Management	7	%		18,100	
12.4	Environmental Management	0.5	%		1,300	
12.5	Survey/Design	5	%		12,900	
12.6	Supervision/Project Management	9	%		23,200	
12.7 12.8	Site Establishment Contingency	2.5 20	%		6,500 51,600	
12.0	SUB-TOTAL DELIVERY	20	/0		125,000	
					-,	
11	TOTAL ESTIMATED COST				383,000	
					,	



BR-01 50 m

Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	SITEWORKS AND EARTHWORKS					
1.1	Site Preparation	2	Item	3,000	6,000	Localised clearing at abutments
1.2	Fill	240	m3	81	19,440	Regrading on eastern side of MPC
2	STRUCTURE					
2.1	Steel structure	85	Т	9,750	828,750	Steel truss arrangement
2.2	Deck	225	m2	680	153,000	
2.3	Piles	160	m	1,300	208,000	Assumed 20m depth 4 per abutment
2.4	Pilecaps	2	Item	12,500	25,000	
2.5	Guardrails	110	m	250	27,500	
2.6	Approach slabs	2	Item	15,000	30,000	200mm thick reinforced concrete 4m long
2.7	Bearings	2	No	5,000	10,000	
4	DRAINAGE			-		
4.4	Drainage – Miscellaneous (Description)	2	Item	7,500	15,000	Drainage to abutments
5	LANDSCAPE			-		
5.1	Scour protection	2	No.	5,000		150mm rock
5.2	Trees	10	No.	600		45L tree including tree guard
5.3	Asphalt path	250	m2	75	18,750	Connection to bridge abutments
6	LIGHTING			-		
6.1	Pole and Luminaire	3	No.	9,375	28,125	
6.2	Allowance for underground electrical cable	150	m	875	131,250	Allowance for supply from adjacent parkland
7	UTILITIES					
7.1	Allowance for non-disruptive digging	1	Item	18,750		Allowance for NDD 2 shifts
7.2	Protect utilities (Provisional Sum)	1	m	50,000	50,000	
8	MISCELLANEOUS					
8.1	Line marking	1	Item	2,000	2,000	
8.2	Regulatory Signage	4	no	750		no. of pole mounted signs assumed
8.3	Architectural screens	100	m	2,000	200,000	
8.4	Crane	7	days	25,000	175,000	
8.5	Constructability	25%	allowance		491,000	
L	SUB-TOTAL WORKS				2,457,000	
12	DELIVERY	0.0-	•		70	
12.1	Council Fees	3.25	%		79,900	
12.2	VicRoads Fees	1	%		24,600	
12.3	Traffic Management	7	%		172,000	
12.4	Environmental Management	0.5	%		12,300	
12.5	Survey/Design	12	%		294,800	
12.6	Supervision/Project Management	9	%		221,100	
12.7	Site Establishment	2.5	%		61,400	
12.8	Contingency SUB-TOTAL DELIVERY	20	%		491,400	
	SUB-TOTAL DELIVERY				1,357,500	
11	TOTAL ESTIMATED COST				3,814,500	

Item	Description	Quantity	Unit	Rate	Amount	Comments
	WORKS					
1	SITEWORKS AND EARTHWORKS					
1.1	Site mobilisation	10	Item	15,000	150 000	Allowance for staging of works
1.2	Demolition of existing roadway/surfaces	5,115		15,000		Includes associated items such as kerbs, street furniture and disposal
1.3	Excavation	1,705	m	2,750		Includes disposal of Cat C material
1.4	Extra over for Non-Destructive excavation	1,705	m	550	937,750	
1.5	Backfill	1,705	m	1.540	2.625.700	
2	PIPELINE WORKS	.,. 50	<u> </u>	.,040	2,020,700	
2.1	Coating removal and recoating	1.705	m	1.420	2,421,100	
2.2	Pipeline survey	1,705	m	121	206.305	
2.3	Protection slab	1,705	m	133	226,765	
3	UTILITIES	.,				
3.1	Allowance for non-disruptive digging	10	Item	18,750	187.500	Allowance for NDD 2 shifts per stage
3.2	Protect utilities (Provisional Sum)		item	50.000		Per stage allowance
4	MISCELLANEOUS				-	3
4.1	Line marking	10	Item	4,000	40,000	
4.2	Pavement reinstatement	5.115	m	240	1,227,600	Allowance for existing surface reinstatement including road and lootpath
4.3	Allowance for sundry items including kerbs, landscaping, signs etc	1,705	m	250	426,250	as required
	SUB-TOTAL WORKS				13,970,000	
12	DELIVERY					
12.1	Council Fees	3.25	%		454,000	
12.2	VicRoads Fees	1	%		139,700	
12.3	Traffic Management	7	%		977,900	
12.4	Environmental Management	0.5	%		69,900	
12.5	Survey/Design	5	%		698,500	
12.6	Supervision/Project Management	9	%		1,257,300	
12.7	Site Establishment	2.5	%		349,300	
12.8	Contingency	20	%		2,794,000	
	SUB-TOTAL DELIVERY				6,740,600	
11	TOTAL ESTIMATED COST				20.710.600	
- 11	TOTAL ESTIMATED COST				20,710,600	

Combined

			ı	TOTAL			
Item	Description	Comments		Quantity	Unit	Rate	Amount
	WORKS						
1.1	SITEWORKS AND EARTHWORKS Allowance for general demolition	Includes disposal	H	1453	m2	18.75	27,24
1.2	Earthworks	Disposal of Cat C N/A		1365		225 75	307,12
1.4	Allowance for feature mounds Allowance for ponds	IWA			m2	250	
1.5	Allowance for demolition of existing asphalt car cark				m2	56.25	-
1.6	Allowance for demolition of existing buildings Allowance for removal of existing trees	215 Arden street existing warehouse Includes disposal	Н	4200	m2 No.	80 1250	336,00
2	ROAD PAVEMENT	includes disposal				1230	-
2.1	New pavement Bike Path/ Shared Path	100 thick asphalt including subbase allowance			m2 m2	135	
3	CONCRETE WORKS Kerb and Channel				LM		-
3.2	Kerbs				LM		-
4.1	DRAINAGE Drainage - pipes	450mm RCP pipe		190	LM	713	135,47
4.2	Drainage - pits Drainage - Sub-soil drainage				No.	3,750 150	15,000
4.4	1200 x 900 x 2 culverts	Precast culverts assumed		22	LM	3750	82,500
4.5	Culvert headwall Drainage – Miscellaneous(Description)		H	4	No. Item	3750	15,000
5	TRAFFIC						-
5.1 5.1	Traffic Signals Traffic Safety				Item Item		-
6	LANDSCAPE Vegitation						-
6.1	Trees -45 litre	Includes sell proposition and the selection of the select	П	13	No.	250	3,250
6.2	Vegitation Type VE01 - Lawn	Includes soil preparation, seeding, edging where required	Ш		m2	12.5	-
6.3	Vegitation Type VE02 - Garden mix 01	Includes garden beds, cultivation of soil, edging where required	Ш		m2	87.5	-
6.4	Vegitation Type VE03 - Garden mix 02 wetland planting	Includes garden beds, cultivation of soil, edging where required			m2	112.5	-
6.5	Vegitation Type VE04 - Garden mix 03 Swale rain garden	Includes garden beds, cultivation of soil, edging where required		707	m2	100	70,70
6.6	Vegitation Type VE05 - Garden mix 04 Slope Embankment	Includes garden beds, cultivation of soil, edging	П		m2	100	-
	Embankment Edges & Paving	where required	Ħ				
6.7	Type PV01 - Asphalt	Includes 25mm asphalt wearing course, 35mm base course, compacted subbase	Ш	110	m2	125	13,75
6.8	Type PV02 - Granitic sand	includes 50mm granitic sand over 90mm compacted crushed rock			m2	18.75	-
6.9 6.10	Type PV03 - Sawn bluestone paving (standrd) Type PV04 - Sawn bluestone paving (small)		H		m2 m2		-
6.11	Type PV04 - Sawii bidestorie paving (smail) Type PV05 - Timber decking/ boardwalk				m2	250	-
6.12	Type PV06 - 100x100x100 bluestone block paving	includes 40mm compacted bedding sand over 150mm compacted crushed rock		454	m2	437.5	198,62
6.13	Type PV07 - Permeable aggregate (tree)	40mm 'Spring Rockpave' , woven fabric, 60mm drainage course			m2	250	-
6.14	Type PV08 - Concrete	100mm thick concrete and 150mm thick subbase		118	m2	150	17,70
6.15 6.16	Type PV09 - Mulch Type TG01 - Hazard TGSI	assumed 100mm thick	H		m2 m2	25	
6.17 6.18	Type TG02 - Directional Type ED03 - Timber edging		H		m2 m	18.75	-
6.19	Multi use court paving	Provisional allowance			m2	312.5	
6.20	Allowance for tennis court Walls and Fencing	Provisional allowance			m2	312.5	-
6.21	Wall type WL01 - brick retaining wall Wall type WL02 - bluestone wall	Includes foundations			m m	1250	-
6.23	Fence Type FN01 - fencing and gate	Includes posts			m	625	
6.24	DSS LEEVEE Wall High quality rail fence	Excluded Provisional allowance	H		m m	3750	
6.26	Furniture, Handrail & Equipment			- 14	Ma	5700	79.80
6.27	Type FR01 - Bench Type FR02 - Seat				No.	5300	79,80 90,10
6.28	Type FR03 - Custom Seat Type FR04 - Bins		H		m No.	2600 5300	-
6.30	Type FR05 - Drinking Fountain	Including water supply connections		1	No.	7500	7,50
6.31	Type FR06 - Bike Hoop Type FR07 - Tree guard & grate (Bio retention tree		H	8	No.	805 1625	6,44
6.33	pit) Type FR08 - Picnic Table				No.	3750	
6.34	Type FR09 - Picnic Table (Custom)				No.	3750	
6.35	Type FR10 - Double BBQ set Type FR11-A - Bollard (HVM Fixed)	Includes lectrical connection and installation	H		No.	11250	
6.37 6.38	Type FR11-B - Bollard (HVM Removable) Type FR12-A - Bollard (Non HVM Fixed)		H	+ -	No.	3125	
6.39	Type FR12-B - Bollard (Non HVM Removable)			1	No.	3750	
6.40 6.41	Type FR13 - Rock feature Type FR14 - Shelter	Includes posts, foundations, pergolas	+	1	item m2	1250	
6.42 6.43	Type FR15 - Toilet Type HR01 - Handrail		H		item m	35000	
6.44	Type PL01 - Skate Park item area		ᆸ		item		
6.45	Type PL02 - Outdoor fitness equipment (Provisional Sum)		Ш		No.		
6.46 6.47	Type PL03 - Water Play Item Type PL04 - Nature Play		H		item item	$-\top$	
6.48	Steel hoop fence around garden bed type VE02		Ħ		m	250	
6.49 7	Allowance for multiuse court equipment STREET LIGHTING		+		Item	\vdash	
7.1	Type - LT01 Street/ Park light		H	11	No.	12500 30000	137,5
8	Type - LT02 Light UTILITIES						
8.1	Allowance for non-disruptive digging Relocate utilities (Provisional Sum)		+	1 1	Item PS	18750	18,75
8.3	Protect utilities (Provisional Sum)		П	1	PS	25000	25,00
8.4 9	Allowance for electrical services for street lighting MISCELLANEOUS		\vdash	330	m	875	288,7
9.1	Line marking		Ħ	1		5000	5,00
9.2 9.3	Regulatory Signage Works maintenance – up to 1 year		₽		no Item	5000	5,00
9.4 9.5	Landscape maintenance – 1yr/2 summers Traffic signals 10 year Maintenance Fee		H		Item Item	7500	7,50
0.0	SUB-TOTAL WORKS		旦		nem		1,924,0
			H		1	-T	·
			П				
12 12.1	DELIVERY Council Fees		H	3.25			62,50
12.2	Other Authority Fees		H	1	%		19,20
12.3	Traffic Management Environmental Management		Ħ	0.5	%		134,70 9,60
	Survey/Design		H	5	% %	$\vdash \vdash$	96,20 173,2
12.5					/3		
12.6 12.7	Supervision/Project Management Site Establishment			2.5			48,10
12.6	Supervision/Project Management Site Establishment Project Contingency SUB-TOTAL DELIVERY			2.5			48,10 481,0 1,025,0

	Description	Quantity	Unit	Rate	Amount	Comments
1	WORKS SITEWORKS AND EARTHWORKS					
1.1	Allowance for general demolition	786	m2	19	14,738	Includes disposal
1.2	Earthworks	393	m3	225	88,425	
1.3	Allowance for feature mounds		m3	75		N/A
1.4	Allowance for ponds Allowance for demolition of existing asphalt car cark		m2 m2	250 56		
1.6	Allowance for demolition of existing buildings		m2	80	-	
1.7	Allowance for removal of existing trees		No.	1250	-	Includes disposal
2	ROAD PAVEMENT				<u> </u>	
2.1	New pavement Bike Path/ Shared Path	-	m2 m2			100 thick asphalt including subbase allowance
3	CONCRETE WORKS		IIIZ			Too trick aspiral including subbase allowance
3.1	Kerb and Channel	-	LM		-	
3.2	Kerbs	-	LM		-	
4	DRAINAGE					
4.1	Drainage - pipes	25 2	LM No.	713 3,750	17,825 7.500	450mm RCP pipe
4.2	Drainage - pits Drainage - Sub-soil drainage	50	LM	3,750	7,500	
4.4	1200 x 900 x 2 culverts		LM	3,750	- 1,000	
4.5	Culvert headwall		No.	3,750		
4.6	Drainage – Miscellaneous (Description)		Item			
5	TRAFFIC Traffic Signals		Item			
5.1	Traffic Safety		Item	1		
6	LANDSCAPE				-	
	<u>Vegitation</u>				-	
6.1	Trees -45 litre	5	No.	250	1,250	
6.2	Vegitation Type VE01 - Lawn		m2	13 88		Includes soil preparation, seeding, edging where required
6.3	Vegitation Type VE02 - Garden mix 01		m2			Includes garden beds, cultivation of soil, edging where required
6.4	Vegitation Type VE03 - Garden mix 02 wetland planting		m2	113	-	Includes garden beds, cultivation of soil, edging where required
6.5	Vegitation Type VE04 - Garden mix 03 Swale rain garden		m2	100	-	Includes garden beds, cultivation of soil, edging where required
6.6	Vegitation Type VE05 - Garden mix 04 Slope		m2	100		Includes garden beds, cultivation of soil, edging where required
0.0	Embankment Edges & Paving		1116	100		
6.7	Type PV01 - Asphalt		m2	125		includes 25mm asphalt wearing course, 35mm base course, compacted subbase
6.8	Type PV01 - Aspirant Type PV02 - Granitic sand		m2	123		includes 20mm granitic sand over 90mm compacted crushed rock
6.9	Type PV03 - Sawn bluestone paving (standrd)		m2		-	
6.10	Type PV04 - Sawn bluestone paving (small)	•	m2		=	
6.11	Type PV05 - Timber decking/ boardwalk	775	m2	250 438	220.000	includes 40mm compacted hadding early over 450mm compacted equals d1
6.12 6.13	Type PV06 - 100x100x100 bluestone block paving Type PV07 - Permeable aggregate (tree)	775 11	m2 m2	438 250	339,063 2,750	includes 40mm compacted bedding sand over 150mm compacted crushed rock 40mm 'Spring Rockpave' , woven fabric, 60mm drainage course
6.14	Type PV07 - Permeable aggregate (tree) Type PV08 - Concrete	- 11	m2 m2	150	2,130	100mm thick concrete and 150mm thick subbase
6.15	Type PV09 - Mulch		m2	25	-	assumed 100mm thick
6.16	Type TG01 - Hazard TGSI		m2		-	
6.17	Type TG02 - Directional		m2			
6.18	Type ED03 - Timber edging Multi use court paving		m m2	19 313		Provisional allowance
6.20	Allowance for tennis court		m2	313		Provisional allowance
	Walls and Fencing				-	
6.21	Wall type WL01 - brick retaining wall		m	1250	-	Includes foundations
6.22	Wall type WL02 - bluestone wall		m		-	
6.23	Fence Type FN01 - fencing and gate DSS LEEVEE Wall		m m	625		Includes posts Excluded
6.25	High quality rail fence		m	3750		Provisional allowance
	Furniture, Handrail & Equipment				-	
6.26	Type FR01 - Bench	8	No.	5700	45,600	
6.27	Type FR02 - Seat	11	No.	5300 2600	58,300	
6.29	Type FR03 - Custom Seat Type FR04 - Bins	4	m No.	5300	21,200	
6.30	Type FR05 - Drinking Fountain		No.	7500		Including water supply connections
6.31	Type FR06 - Bike Hoop	17	No.	805	13,685	
6.32	Type FR07 - Tree guard & grate (Bio retention tree pit)		No.	1625	-	
6.33	Type FR08 - Picnic Table Type FR09 - Picnic Table (Custom)		No.	3750 3750		
	Type FR10 - Double BBQ set		No.	11250		Includes lectrical connection and installation
6.35						
6.35 6.36	Type FR11-A - Bollard (HVM Fixed)		No.			
6.36 6.37	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable)		No. No.		-	
6.36 6.37 6.38	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-A - Bollard (Non HVM Fixed)		No. No. No.	3125	-	
6.36 6.37 6.38 6.39	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-A - Bollard (Non HVM Fixed) Type FR12-B - Bollard (Non HVM Removable)		No. No. No.	3125 3750	- - - -	
6.36 6.37 6.38	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-A - Bollard (Non HVM Fixed) Type FR12-B - Bollard (Non HVM Removable) Type FR13 - Rock feature		No. No. No.	3750	- - - - -	
6.36 6.37 6.38 6.39 6.40	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-A - Bollard (Non HVM Fixed) Type FR12-B - Bollard (Non HVM Removable)		No. No. No. No. item		- - - - - - -	Includes posts, foundations, pergolas
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Fixed) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-Folk feature Type FR15 - Tollet Type FR15 - Tollet Type HR15 - Tollet		No. No. No. No. item m2 item m	3750	- - - - - - - -	
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13 - Rock feature Type FR14 - Sholler Type FR15 - Toilet Type HR01 - Handrall Type PL01 - Skate Park Item area		No. No. No. item m2 item	3750	- - - - - - - - -	
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43	Type FR11-A - Bollard (HVM Fixed) Type FR12-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Roth (B		No. No. No. No. item m2 item m	3750	- - - - - - - -	
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-FR02-B - Bollard (Non HVM Removable) Type FR13 - Rock feature Type FR14 - Shelter Type HR01 - Handrall Type HR01 - Handrall Type HR02 - Undoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Item		No. No. No. No. item m2 item m item No. item	3750		
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13 - Rock feature Type FR15 - Toilet Type FR15 - Toilet Type HR01 - Handrail Type PL01 - Skate Park Item area Type PL02 - Outdoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Item Type PL03 - Water Play Item		No. No. No. Item m2 Item m item No. Item item item	3750 1250	-	
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 6.48	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Soliard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-FR12-B - Bollard (Non HVM Removable) Type FR14 - Shelter Type FR15 - Tolet Type FR15 - Tolet Type HR01 - Handral Type PL01 - Skate Park Item area Type PL02 - Outdoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Item Type PL04 - Nature Play Type PL05 - Skethoop fence around garden bed type VE02		No. No. No. No. item m2 item m item item no. item item no.	3750	-	
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR15- Tollet Type FR15 - Tollet Type FR15 - Tollet Type HR01 - Handrall Type PL01 - Skate Park item area Type PL02 - Outdoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL04 - Nature Play Steel hoop fence around garden bed type VE02 Allowance for multisse court equipment		No. No. No. Item m2 Item m item No. Item item item	3750 1250	-	
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 6.48 6.49	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Soliard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-FR12-B - Bollard (Non HVM Removable) Type FR14 - Shelter Type FR15 - Tolet Type FR15 - Tolet Type HR01 - Handral Type PL01 - Skate Park Item area Type PL02 - Outdoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Item Type PL04 - Nature Play Type PL05 - Skethoop fence around garden bed type VE02	6	No. No. No. No. item m2 item m item item no. item item no.	3750 1250		
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7.11 7.2	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR14 - Shotler Type FR14 - Shotler Type FR15 - Tolet Type HR01 - Handrial Type PL01 - Bollard (Non HVM Removable) Type PL02 - Outdoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Item Type PL03 - Water Play Steel Hoop fence around garden bed type VE02 Allowance for multiuse court equipment STREET LGRITHING Type - LT01 Street/ Park light Type - LT01 Street/ Park light	6	No. No. No. No. item m2 item m item item item no. item item	3750 1250 250		Includes posts, foundations, pergolas
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7,7.1 7.2 8	Type FRI1-A - Bollard (HVM Fixed) Type FRI1-B - Sollard (HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI3-B - Bollard (Non HVM Removable) Type FRI3-B - Bollard (Non HVM Removable) Type FRI4-B - Tollet Type FRI4-Shelter Type FRI4-Shelter Type HR01 - Handrall Type HR01 - Handrall Type HR01 - Bandrall Type PL03 - Water Play Item Type PL03 - Water Play Item Type PL04 - Nature Play Type PL04 - Nature Play Steel hoop fence around garden bed type VE02 Allowance for multiuse court equipment STREET LUGHTING Type - LT01 Street/ Park light Type - LT01 Street/ Park light Type - LT01 Street/ Park light Type - LT01 Light UTILITIES		No. No. No. No. item m2 item m item No. item	250 1250 250 250 30000	- - - - 75,000	Includes posts, foundations, pergolas Includes posts, foundations, pergolas
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7.1 7.1 7.2 8 8.1	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Fixed) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-FR12-B - Bollard (Non HVM Removable) Type FR14 - Shotter Type FR14 - Shotter Type FR14 - Shotter Type HR01 - Handrall Type FR01 - Handrall Type PL02 - Ouldoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Item Type PL03 - Water Play Item Type FL03 - Water Play Steel Hoop fence around garden bed type VE02 Allowance for multiluse court equipment STREET LIGHTING Type - LT01 Street Park light Type - LT01 Light UTILITIES Allowance for non-disruptive digging	2	No. No. No. No. Item m2 Item m Item No. Item m Item No. Item	3750 1250 1250 250	- - - - 75,000	Includes posts, foundations, pergolas
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7,7.1 7.2 8	Type FRI1-A - Bollard (HVM Fixed) Type FRI1-B - Soliard (HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI3-B - Bollard (Non HVM Removable) Type FRI3-B - Tollet Type FRI4 - Shelter Type FRI4 - Shelter Type FRI4 - Shelter Type FRI4 - Hendrall Type PL03 - Outdoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Item Type PL03 - Water Play Item Type PL04 - Nature Play Type L103 - Water Play Item Type TL07 - Street Park Item Type TL07 - Street Park Item Type TL07 - Street Park Item Type - L103 Street Park Item Type - L103 Street Park Item UTILITIES Allowance for mon-disruptive digging Relocate utilities (Provisional Sum)		No. No. No. No. item m2 item m item No. item	250 1250 250 250 30000	- - - - 75,000	Includes posts, foundations, pergolas Includes posts, foundations, pergolas
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7.1 7.2 8.1 8.2 8.3 8.4	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Fixed) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-FR12-B - Bollard (Non HVM Removable) Type FR14 - Shotter Type FR14 - Shotter Type FR14 - Shotter Type HR01 - Handrall Type FR01 - Handrall Type PL02 - Ouldoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Item Type PL03 - Water Play Item Type FL03 - Water Play Steel Hoop fence around garden bed type VE02 Allowance for multiluse court equipment STREET LIGHTING Type - LT01 Street Park light Type - LT01 Light UTILITIES Allowance for non-disruptive digging	2	No. No. No. No. No. Item m2 Item m item m item No. Item m Item No. Item No. Item No. Item No. Item No. Item No.	250 1250 250 12500 12500 30000	75,000 - - - - - - - 37,500 - - - - 25,000	Includes posts, foundations, pergolas Includes posts, foundations, pergolas
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 7 7.1 7.2 8 8.1 8.2 8.3 8.3	Type FRI1-A - Bollard (HVM Fixed) Type FRI1-B - Bollard (HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI3-B - Bollard (Non HVM Removable) Type FRI4 - Shelter Type FRI4 - Shelter Type HR01 - Handrail Type HR01 - Handrail Type HR01 - Handrail Type HR01 - Bollard (HVM Removable) Type HR01 - Bollard (HVM Removable) Type HR03 - Water Play Item Type PL03 - Water Play Item Type PL03 - Water Play Item Type PL04 - Nature Play Type PL04 - Nature Play Type L105 - Bollard (HVM Removable) Type L105 - Bollard (HVM Removable) Type L107 - Bollard (HVM Removable) Type - L107 - Breel Park light Type - L107 - Breel Park light Type - L108 - Breel Park light Allowance for non-disruptive digging Rebcate utilities (Provisional Sum) Protect utilities (Provisional Sum) Protect utilities (Provisional Sum) MSCELLANDEOUS	2 1 1	No. No. No. No. Item m	250 1250 250 1250 250 12500 3000 18750	75,000 - - - - - - - 37,500 - - - - 25,000	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7.1 7.2 8 8.1 8.2 8.3 8.4	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR14 - Shotler Type FR15 - Tolet Type FR15 - Tolet Type HR01 - Handrall Type FR03 - Water Play Type FR03 - Water Play Type PL02 - Outdoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Steel hoop fence around garden bed type VE02 Allowance for multiuse court equipment STREET LIGHTING Type - LT01 Street/ Park light Type - LT02 Light UTILITIES Allowance for non-disruptive digging Rebcate utilities (Provisional Sum) Protect utilities (Provisional Sum) Allowance for olectrical services for street lighting MIS-CELLANEOUS Line marking MIS-CELLANEOUS	2 1 1 180	No. No. No. No. Item m m item m item m item No. Item item n item item item item item item item item	250 250 1250 250 12500 30000 18750 25000 875	75,000 - 37,500 - 37,500 - 25,000	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 7 7.7.1 8.1 8.2 8.3 8.4 9 9.1	Type FRI1-A - Bollard (HVM Fixed) Type FRI1-B - Soliard (HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI3-B - Bollard (Non HVM Removable) Type FRI4- Shelter Type FRI4 - Shelter Type FRI4 - Shelter Type HR01 - Handrall Type PL01 - Skate Park Item area Type PL02 - Bollard (Nodor filtness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Item Type PL04 - Nature Play Type PL04 - Nature Play Type PL05 - Water Play Item Type PL07 - Water Play Type PL07 - Water Pl07 - Water Pl07 Type PL07 Ty	2 1 1 180	No. No. No. No. Item mg item m item item item item item item it	250 1250 250 1250 30000 18750 25000 875	75,000 - 37,500 - 37,500 157,500	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 7 7.1 7.2 8 8.1 8.2 8.3 8.4	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR14 - Shotler Type FR14 - Shotler Type FR15 - Tolet Type HR01 - Handrall Type FR01 - Handrall Type PL02 - Outdoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Steel Hoop fence around garden bed type VE02 Allowance for multiuse court equipment STREET LGMTNMG Type - L70 Street Park light Type - L70 Street Park li	2 1 1 180	No. No. No. No. No. item m2 item m item m item Mo. item filem m item filem m item n item No. No. Item PS m	250 1250 250 1250 250 12500 30000 18750 25000 875	75,000 - 37,500 - 37,500 - 25,000	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 7 7.1 7.1 8.1 8.2 8.3 8.4 9.1	Type FRI1-A - Bollard (HVM Fixed) Type FRI1-B - Soliard (HVM Fixed) Type FRI2-B - Bollard (Non HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI3-B - Bollard (Non HVM Removable) Type FRI3- Sock feature Type FRI4 - Shelter Type FRI5 - Tolet Type FRI5 - Tolet Type FRI5 - Well - Well - Well - Well - Well Type FRI5 - Well - Well - Well Type FRI5 - Well - Well - Well Type FRI5 - Well Ty	2 1 1 180	No. No. No. No. Item mg item m item item item item item item it	250 1250 250 1250 30000 18750 25000 875	75,000 - 75,000 - 37,500 - 25,000 157,500	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7 7.1 7.2 8 8.1 8.2 8.3 8.4 9.1 9.1 9.2 9.3 9.4 9.5	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Soliard (HVM Fixed) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Tollet Type FR15-Tollet Type FR16-Tollet Type	2 1 1 180	No. No. No. No. Item m item m item item item item item it	250 1250 250 1250 250 12500 30000 18750 25000 875	75,000 - 75,000 - 37,500 - 25,000 157,500	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.45 6.46 6.47 7.1 7.1 7.2 8.8 8.1 8.2 9.1 9.1 9.2 9.3 9.4	Type FR11-A - Bollard (HVM Fixed) Type FR11-A - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Fixed) Type FR12-B - Bollard (Non HVM Fixed) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR14 - Shotler Type FR16 - Totlet Type HR01 - Handrall Type FR16 - Totlet Type HR01 - Handrall Type PL02 - Ouldoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Steet hoop fence around garden bed type VE02 Allowance for multiluse court equipment STREET LIGHTING Type - LT01 Street Park light Type - LT01 Street Park light Type - LT02 Light UTILITIES Allowance for non-disruptive digging Relocate utilities (Provisional Sum) Allowance for electrical services for street lighting MISCELLAREUS Line marking Regulatory Signage Works maintenance - up to 1 year Landscape maintenance - 1yt2 summers Traffic signals 10 year Maintenance Fe	2 1 1 180 4 1	No. No. No. No. No. No. Item Item Item Item Item Item Item Item	250 1250 250 1250 250 12500 30000 18750 25000 875	75,000 - 75,000 - 37,500 - 25,000 157,500 - 3,000 - 5,000 7,500	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7.1 7.2 8 8.1 8.2 8.3 8.4 9.1 9.2 9.3 9.4 9.5	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR14 - Shotler Type FR15-Tolet Type FR161 - Handrall Type FR161 - Handrall Type FR103 - Water Play Item Type PL02 - Outdoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Steel hoop fence around garden bed type VE02 Allowance for multiluse court equipment STREET LIGHTING Type - L170 I Street/ Park Light Type - L170 I Street/ Park Light Type - L170 I Street/ Park Light Type - L170 Light UTILITIES Allowance for for non-disruptive digging Rebcate utilities (Provisional Sum) Protect utilities (Provisional Sum) Rocale utilities (Provisional Sum) MISCELLANEOUS Line marking Regulatory Signage Works maintenance – up to 1 year Landcape maintenance – 19t72 summers Traffic signals 10 year Maintenance Fee SUB-TOTAL WORKS DELIVERY Council Fees	2 1 1 180 4 1 1	No. No. No. No. Item m m item m item m item no. Item item m item item item item no. Item item item item item item item item i	250 1250 250 1250 250 12500 30000 18750 25000 875	75,000 75,000 37,500 25,000 157,500 3,000 5,000 7,500 928,000	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7.1 7.2 8 8.1 8.2 8.3 8.4 9 9.1 9.2 9.3 9.4 9.5	Type FRI1-A - Bollard (HVM Fixed) Type FRI1-B - Soliard (HVM Fixed) Type FRI2-B - Bollard (Non HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI2-B - Bollard (Non HVM Removable) Type FRI3-B - Bollard (Non HVM Removable) Type FRI3- Sock feature Type FRI4 - Shelter Type FRI5 - Holder Type FRI5 - H	2 1 1 180 4 1	No. No. No. No. No. No. Item Item Item Item Item Item Item Item	250 1250 250 1250 250 12500 30000 18750 25000 875	75,000 - 37,500 - 25,000 157,500 157,500 - 3,000 5,000 7,500 928,000	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7.1 7.2 8 8.1 8.2 8.3 8.4 9.1 9.2 9.3 9.4 9.5	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-FR12-B - Bollard (Non HVM Removable) Type FR13-FR14-Shelter Type FR15-Tolet Type HR01 - Handrall Type FR03-Water Play Type FR03-Water Play Type PL02 - Outdoor fitness equipment (Provisional Sum Type PL03-Water Play Item Type PL03-Water Play Item Type PL03-Water Play Steel hoop fence around garden bed type VE02 Allowance for mulliuse court equipment STREET LightTMG Type - LT01 Street/ Park Right Type -	2 1 1 180 4 1 1 1 3.25	No. No. No. No. Item m tem m tem item item tem tem item i	250 1250 250 1250 250 12500 30000 18750 25000 875	75,000 75,000 37,500 25,000 157,500 3,000 5,000 7,500 928,000	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7.1 7.2 8 8.1 8.2 8.3 8.4 9.1 9.2 9.3 9.1 9.2 9.3 9.4 9.1 9.2 9.3 9.4 9.5 9.4 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Tollard Type FR14 - Shotler Type FR15 - Tollard Type FR15 - Tollard Type FR16 - HR16 - Handrall Type FR16 - HR16 - Handrall Type FR15 - Tollard Type FR16 - Handrall Type FR16	2 1 1 180 4 1 1 1 3.25	No. No. No. No. No. item m m item m item m item no. item item item item item item item item	250 1250 250 1250 250 12500 30000 18750 25000 875	75,000 75,000 25,000 157,500 3,000 5,000 7,500 928,000 9,300 65,000	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7 7.1 7.2 8 8.1 8.2 8.3 8.4 9.1 9.2 9.2 9.3 9.4 9.5	Type FR11-A - Bollard (HVM Fixed) Type FR12-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Tollet Type FR15-B - Tollet Type FR16-T - Tollet Type FR16-T - Handrall Type FR16-T - Handrall Type FR10-T - Bollard (Non HVM Removable) Type FR10-T - Bollard (Non HVM Removable) Type FR10-T - State Park Rem area Type FR10-T - State Park Rem area Type FR10-T - State Park Rem area Type FR10-T - Nature Play Typ	2 1 1 180 4 1 1 1 1 3.25 1 7 7 1 5 9	No. No. No. No. Item m item m item m item m item litem m item item m item litem m item litem m item litem m item litem litem litem No. litem litem No.	250 1250 250 1250 250 12500 30000 18750 25000 875	75,000 75,000 37,500 25,000 157,500 3,000 5,000 7,500 928,000 930,000 65,000 4,600 46,400 83,500	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7.7.1 8.8 8.1 8.2 8.3 8.4 9.1 9.2 9.3 9.1 9.2 9.3 9.4 9.5 12.1 12.2 12.3 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5	Type FR11-A - Bollard (HVM Fixed) Type FR12-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Totlet Type FR14 - Shotter Type FR14 - Shotter Type FR15 - Totlet Type HR01 - Handrall Type FR01 - Handrall Type PL01 - State Park Item area Type PL02 - Outdoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Item Type FL03 - Water Play Steel Inoop fence around garden bed type VE02 Allowance for multiluse court equipment STREET LIGHTING Type - L10 Street/ Park light Type	2 1 1 180 4 1 1 1 1 3.25 1 7 7 1 1 5 9	No. No. No. No. No. No. No. No. No. Item m2 Item m Item Item Mo. Item I	250 1250 250 1250 250 12500 30000 18750 25000 875	75,000	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7 7.1 7.2 8 8.1 8.2 8.3 8.4 9.1 9.2 9.2 9.3 9.4 9.5	Type FR11-A - Bollard (HVM Fixed) Type FR11-B - Soliard (HVM Fixed) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Soliard (Non HVM Removable) Type FR14-Shalter Type FR15-Tolet Type HR01 - Handrall Type HR01 - Handrall Type PL02 - Outdoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Type PL03 - Water	2 1 1 180 4 1 1 1 1 3.25 1 7 7 1 5 9	No. No. No. No. Item m item m item m item m item litem m item item m item litem m item litem m item litem m item litem litem litem No. litem litem No.	250 1250 250 1250 250 12500 30000 18750 25000 875	75,000 75,000 75,000 75,000 75,000 75,500 75,500 75,500 7,500 7,500 7,500 928,000 9,300 9,	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts
6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 7.7.1 8.8 8.1 8.2 8.3 8.4 9.1 9.2 9.3 9.1 9.2 9.3 9.4 9.5 12.1 12.2 12.3 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5	Type FR11-A - Bollard (HVM Fixed) Type FR12-B - Bollard (HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR12-B - Bollard (Non HVM Removable) Type FR13-B - Bollard (Non HVM Removable) Type FR13-B - Totlet Type FR14 - Shotter Type FR14 - Shotter Type FR15 - Totlet Type HR01 - Handrall Type FR01 - Handrall Type PL01 - State Park Item area Type PL02 - Outdoor fitness equipment (Provisional Sum Type PL03 - Water Play Item Type PL03 - Water Play Item Type FL03 - Water Play Steel Inoop fence around garden bed type VE02 Allowance for multiluse court equipment STREET LIGHTING Type - L10 Street/ Park light Type	2 1 1 180 4 1 1 1 1 3.25 1 7 7 1 1 5 9	No. No. No. No. No. No. No. No. No. Item m2 Item m Item Item Mo. Item Mo. Item Mo. Item Mo. Item Mo. Item No. Item No. Item No. Item I	250 1250 250 1250 250 12500 30000 18750 25000 875	75,000	Includes posts, foundations, pergolas Includes luminre and foundation Allowance for NDD 2 shifts