

14 September 2018

Victorian Planning Authority Attn: Ben Hawkins Level 25, 35 Collins Street Melbourne VIC 3000

Dear Ben,

RE: SUBMISSION TO AMENDMENT GC102
DONNYBROOK WOODSTOCK ICP – EXHIBITION VERSION AUGUST 2018
PEPPERCORN HILL ESTATE

We refer to the above matter and confirm that DFC (Woodstock) Pty Ltd is a related entity of Dennis Family Corporation (DFC) and is in a development agreement with the owners of the following properties:

- 1145 Donnybrook Road, Donnybrook;
- 1305 Donnybrook Road, Donnybrook; and,
- 1181 Merriang Road, Woodstock.

DFC (Woodstock) Pty Ltd is the project manager for the subdivision and development of the entirety of the three above properties, collectively known as Peppercorn Hill Estate. We confirm that DFC (Woodstock) Pty Ltd is authorised to make this submission on behalf of both DFC and the landowners¹.

Our submission to exhibition of Amendment GC102 is summarised in this letter and is expanded upon by the accompanying attachments:

- Peppercorn Hill ICP Estimates prepared by DPM Consulting Group (September 2018);
- Peppercorn Hill ICP Drawings prepared by DPM Consulting Group (September 2018);
- Functional Layout Plans prepared by Traffix Group;
- Opinion of Probable Cost and Layout Option SR-03 & SR-05 prepared by Spiire (June 2018);
- Comparative Analysis: Opinion of Probable Cost SR-03 & SR-05 prepared by Spiire (September 2018).

Our substantive submissions in relation to the Peppercorn Hill development are outlined as follows (refer overleaf):

¹ Refer to DFC Development Agreements previously circulated to the VPA for confirmation.



Project Items

Item: RD-05 - Koukoura Drive

Description: Construction of a secondary arterial road (2 lane carriageway), excluding

intersections (interim treatment)

Cost apportioned to ICP: \$3,838,544

DFC Comments

- i. RD-05 Koukoura Drive, is a future secondary arterial road that will extend north-south from Donnybrook Road to Gunns Gully Road. The interim road cross section is funded by the ICP and is proposed to be delivered as a works-in-kind (WIK) item by DFC (Woodstock) Pty Ltd. Construction of Koukoura Drive will commence within 1145 Donnybrook Road, during the initial phase of the Peppercorn Hill development.
- ii. We hold concerns that the concept drawing and cost sheet contained within the August 2018 exhibition version of the ICP (the ICP), and used as the basis of the RD-05 benchmark costing, is inconsistent with the requirements of the Donnybrook-Woodstock Precinct Structure Plan (the PSP) and the design prepared by Traffix Group and DPM Consulting on behalf of DFC (Woodstock) Pty Ltd. The following discrepancies are highlighted:
 - a. The benchmark plan produced by Cardno (Dwg. No. V170524-CI-DWG-2002) includes a 9.0 metre carriageway measured between face of kerb, with 7.0 metre traffic lanes and 1.0 metre shoulders each side. A 2.0 metre wide shared path is included on both sides.
 - b. The 'Secondary Arterial Interim Option 2' cross section contained within the PSP and the enclosed design (referred to Dwg. No. G18040D-5/10) both include two 3.5 metre wide carriageways with a central median.
 - c. The enclosed design includes the ultimate kerb and channel along the outer edges of the carriageway, interim medians along the inner edge and 2.0 metre wide shoulders. Unlike the benchmark plan, the proposed design includes 3.0 metre shared path/bike lane on both sides (refer to enclosed Drawing No. G18040P-10).
- iii. We note that Condition 4 v) of Planning Permit 717349 requires the interim Koukoura Drive to consist of the outer two lanes only (as per the PSP and proposed design). This requirement does not reflect the design costed within the ICP.
- iv. The One Mile Grid interim intersections plans contained within the ICP do not specify a definitive limit of works. It is therefore unclear if works to transition back to a single carriageway are included as works-in-kind credit. The enclosed design eliminates the need for transition works and potential throw-away costs.
- v. We note that the undefined limit of works has likely had a flow on affect to adjacent items, influencing the benchmarked costs of IN-04, IN-07, IN-11, IN-12 and IN-15.
- vi. Given the discrepancies described above and the undefined limit of works, it is clear that the benchmark costs utilised by the VPA do not accurately reflect the expected construction costs. As summarised on Pages 1 & 3-5 of the enclosed Estimates prepared by DPM Consulting, the delivery of the three nominated sections of Koukoura Drive are expected to cost \$7,678,309, well above the allowance provided within the ICP.
- vii. We submit that the ICP is required to be modified, including preparation of revised concept plans and a cost sheet that accurately reflects the expected cost to deliver item RD-05. It



is suggested that the enclosed costings and concept plans be used as the basis of this revision.

Item: RD-02 – Gunns Gully Road

Description: Construction of a primary arterial road (2 lane carriageway), excluding intersections

(interim treatment)

Cost apportioned to ICP: \$8,538,250

DFC Comments

- i. RD-02 Gunns Gully Road, is a future primary arterial road that will extend east-west from the eastern edge of Sydney-Melbourne Railway overpass to the E6 / OMR reservation. A 41 metre wide interim cross section is funded by this ICP and is proposed to be delivered as a WIK item by DFC (Woodstock) Pty Ltd. Gunns Gully Road is expected to be constructed during the latter phases of the Peppercorn Hill development.
- ii. Approximately 1,028 linear meters of RD-02 will be found within or adjacent to the subject site, extending from the APA Gas Easement to the E6 / OMR reservation.
- iii. As detailed at Pages 1-2 of the enclosed Estimates, DPM Consulting estimates a project cost of \$5,278,050 (\$5,139 \$/lm) for the extent of RD-02 within or adjacent to the subject site. This figure varies significantly from the ICP figure, which allows \$8,538,250 for the entirety of RD-02.
- iv. As detailed previously, we hold concerns that the ICP does not specifically define the limit of works attributable to this item. Further we note that Table 5 of the ICP provides a project item cost per hectare (NDHA) of \$8,267, which does not appear to correlate with the expected length of RD-02, the applicable cost sheet within the ICP (only 800 metres appears to be costed) or the linear rate determined by DPM Consulting.
- v. We suggest that the ICP is updated to include a defined scope/limit of works, with the enclosed estimates and concept plans used as the basis to prepare an updated project costing (as required).

Items: IN-04, IN-07, IN-11, IN-12 & IN-15

Description: Intersection projects – Various (interim)

Cost apportioned to ICP: Various

DFC Comments

- i. The ICP nominates five (5) intersections within Peppercorn Hill estate. Each intersection is proposed to be delivered by DFC (Woodstock) Pty Ltd as WIK (subject to project/funds apportionment).
- ii. The interim intersection plans within the ICP (as prepared by One Mile Grid) do not identify a definitive limit of works. As detailed within this submission, this omission has led to a number of uncertainties concerning costing allocation.
- iii. A number of inconsistencies are apparent when comparing the ICP interim intersection plans and the enclosed drawings prepared on behalf of DFC (which have been subject to preliminary assessment by both Council and VicRoads). Summarised as follows:
 - a. All ICP plans appear to show shared paths only, whilst the requirements of the PSP differ between a combination of shared paths, footpaths and bike lanes.
 - b. Many of the interim intersection plans within the ICP (i.e. IN-04, IN-12 and IN-15) have been designed based on a 60 km/h speed limit, rather than the 80 km/h limit requested of DFC by VicRoads.



c. We note that the benchmark costings do not allow for the potential relocation of services, as is expected to be required along Donnybrook Road and Merriang Road (i.e. IN-04 & IN-12). The ICP costings should be updated to provide an additional line item, as appropriate.

d. IN-04 (Donnybrook Road and Koukoura Drive)

- i. IN-04 allows for the land acquisition on the south side of Donnybrook Road and construction of a signalised four-way intersection (costs 25% apportioned to the Shenstone Park PSP). It is unlikely that land acquisition will take place in the foreseeable future and the proposed concept plans (refer Dwg. No. G18040D-12/22) make no allowance for the extent of works which are shown in the ICP.
- ii. The interim ICP linework shows a shoulder rather than a permanent kerb and channel on the outer sides of Koukoura Drive, north of all intersections (due to the ICP's inclusion of a single carriageway).
- iii. The proposed plans do not propose kerb along the entire length of Donnybrook Road, only left-hand turning lanes.

e. IN-07 (Koukoura Drive and Hayes Hill Boulevard)

 The ICP interim plan and the benchmark example is generally consistent with the proposal, noting that Koukoura Drive is proposed to include a dual carriageway (refer to Traffix Group Dwg. No. G18040D-24).

f. IN-11 – Koukoura Drive and Cameron Street

- i. The ICP (and interim plans) designated Cameron Street as an arterial road, whilst the PSP nominates this road as a Boulevard Connector Street west of Koukoura and a Connector Street east of Koukoura. This is an error which requires correction.
- ii. Given the above, the ICP cost sheet and cross section attributable to IN-11 (and Cameron Street more generally) is inconsistent with the PSP and the proposed concept drawings (refer Dwg. No. G18040D-06).
- iii. The ICP does not include a benchmark example for an arterial/connector intersection (i.e. east leg of Cameron Street & Koukoura Drive intersection).

g. IN-12 - Cameron Street and Merriang Road

- i. The ICP interim plan is inconsistent with the proposal due to disparities between the adopted design speed (refer Dwg. No. G18040-K-02).
- ii. We note that the ICP does not include any benchmark examples considered comparable to this intersection type.

h. IN-15 - Koukoura Drive and Gunns Gully Road

- The ICP interim plan is inconsistent with the proposal due to disparities between the adopted design speed and chosen design detail (refer Dwg. No. G18040D-02).
- ii. It is noted that the northern leg is an arterial/connector intersection with no comparable benchmark example.



Item: BR-03: Hayes Hill Boulevard & BR-04: Cameron Street

Description: Construct Growling Grass Frog habitat suitable culvert/bridge crossing of Darebin

Creek – 2 lane culvert crossing (ultimate)

Cost apportioned to ICP: \$795,000 (each)

DFC Comment

- i. The PSP requires the construction of two "Growling Grass Frog Friendly" culvert bridge crossings to be constructed across Darebin Creek, one found at Hayes Hill Boulevard and the second at Cameron Street. Project items BR-03 and BR-04 are proposed to be delivered by DFC (Woodstock) Pty Ltd as WIK, subject to adequate funding allocation within the final ICP.
- ii. Subject to the consent and approval of Council, DELWP and Melbourne Water, at this point in time DFC propose the construction of two Bebo style arch crossing structures. Consultation with Melbourne Water and DELWP has found that this crossing treatment is preferred as it leaves a large extent of the waterway base untouched, provides a greater opening for the passage of water (thus reducing the risk of blockage) and offers greater movement opportunities for Growling Grass Frogs (GGF) to pass through the BCS corridor (refer to concept designs prepared by DPM Consulting, Dwg. No. 1941/M/GC1 & 1941/M/GH1). We note that an alternative GGF friendly culvert design is in the process of being prepared and may be lodged with the VPA under separate cover.
- iii. The ICP includes a box culvert concept drawing (Dwg. No. V170524-CI-DG2039) which has been costed for the purposes of BR-03 and BR-04. This concept plan is highly inconsistent with the requirements of the PSP and the expectations of Council and relevant stakeholders.
- iv. The ICP has grossly underestimated the cost to deliver a GGF suitable culvert/bridge crossing which meets the requirements of relevant stakeholders and ultimately would be approved for construction.
- v. As detailed by the analysis prepared at Pages 12-15 of the enclosed Estimates, DPM Consulting has estimated a project cost of \$2,498,609 to deliver BR-03 and \$2,336,748 to deliver BR-04 (i.e. GGF Bebo arch crossings, GGF culvert crossings have been found to be marginally cheaper). The detailed estimates have been found to exceed the benchmark costing by at least \$1,541,748 per item.
- vi. We note that items BR-03 and BR-04 were originally included as supplementary items within the 'Interim ICP' released in July 2018 and as such were thought to be subject to individual detailed costings. It is clear the benchmark costings contained within the ICP are manifestly unsuitable and revised costings (in accordance with the enclosed concept plans and estimates) are required to be included within a revised ICP.

Item: SR-03 - Darebin Creek Sports Reserve

Description: Construction of sports fields (Soccer) and construction of multi-purpose pavilion

(located near LTC-4)

Cost apportioned to ICP: \$12,057,000

DFC Comment

i. SR-03 is an 8-hectare sports reserve found to the east of Darebin Creek and north of Hayes Hill Boulevard. The PSP nominates the construction of three (3) soccer pitches, a community garden and a multi-purpose pavilion (with 6 change rooms and a 60m² community meeting space) within this reserve. At this point in time SR-03 *is not* anticipated



to be delivered by DFC (Woodstock) Pty Ltd as a WIK item due concerns regarding funding allocation and cost risk.

- ii. Spiire have prepared an Opinion of Probable Costs (OPC) and Layout Plan (June 2018) of SR-03 based on the parameters outlined by the PSP. This analysis has found that the expected delivery cost far exceeds the funding allocation within the exhibited ICP.
- iii. A second costing (September 2018) has been prepared by Spiire to provide a like for like comparison against the benchmarked cost and allowances contained within the ICP (as per cost sheets 40 & 43). The benchmarked costs have generally found to be under estimated due to omission of a number of items and adoption of rates lower than industry standards. Refer to the enclosed OPC and highlighted items contained within for further information.
- iv. We suggest that the benchmark figures contained within the ICP are updated to generally reflect the scope and rates outlined by Spiire.

Item: SR-05 – Koukoura Drive Sports Reserve

Description: Construction of sports fields (Tennis, Netball and Lawn Bowls) and construction of

multi-purpose pavilion (located near LTC-1) **Cost apportioned to ICP:** \$12,069,990

DFC Comment

- i. SR-05 is an 8.01 hectare sports reserve found to the east of Koukoura Drive Creek and north of LTC-1. The PSP nominates the construction of two (2) lawn bowls pitches, six (6) tennis courts, a community garden, a play skate facility, eight (8) netball courts with a pavilion and a six (6) court indoor recreation centre within this reserve. At this point in time SR-05 is not anticipated to be delivered by DFC (Woodstock) Pty Ltd as a WIK item due concerns regarding funding allocation and cost risk.
- ii. As above, Spiire have prepared two sets of costings which provide an analysis of the (aspirational perhaps) requirements of the PSP and the allowances made by the exhibited ICP. A copy of these costings as they relate to SR-05 are enclosed.
- iii. The OPC's prepared by Spiire have found that there is a substantial discrepancy between the ICP allowance and expected delivery costs, indicating that the full requirements of the PSP will not be able to be delivered as intended.
- iv. We suggest that the benchmark figures contained within the ICP are updated to generally reflect the allowances and rates outlined by Spiire.

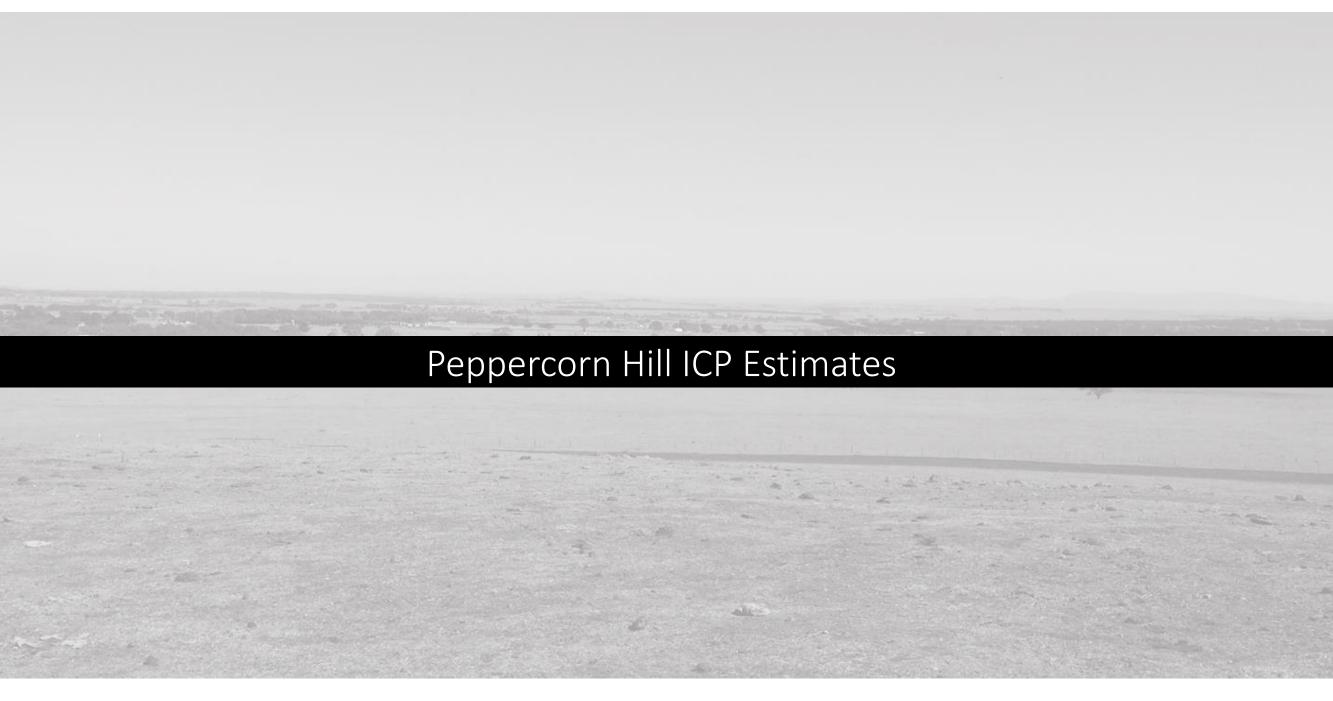
In summary, we are of the view that a number of matters require further clarification, while additional work is required to prepare revised benchmark costings which reflect the project items to be delivered as part of Peppercorn Hill estate and the wider precinct.

We note that is our intention to undertake further detailed design work in respect to many of the infrastructure items discussed within this submission. As such, should the Minister appoint a Panel we reserve the right to make a further submission on the matters included herein, and any other matter relevant to proposed Amendment GC102.

Further to prior correspondence, we confirm our view that the land commonly described as Hayes Hill Reserve should be included within the public land provision of the final ICP. Acknowledging the terms of reference of GC102, it is our intention to continue to pursue this matter separately and look forward to ongoing discussions with the VPA and the City of Whittlesea.











SUMMARY SHEET ROAD, INTERSECTION AND PEDESTRIAN CROSSING INFRASTRUCTURE

DATE: 14.09.18

DPM REF: 1941/M/A(iv)

VER 1.2

SCHEDULE 1: ROAD, INTERSECTION AND PEDESTRIAN CROSSING INFRASTRUCTURE

ITEN	DESCRIPTION	RD-02	RD-05-i	RD-05-ii	RD-05-iil	RD-05 (Tot)	IN-04	IN-07	IN-11	IN-15	IN-12	PED-03	TOTAL
Α	Project and Program Management	\$ 194,035	\$ 148,909	\$ 65,433	\$ 67,965	\$ 282,307	\$ 134,444	\$ 122,091	\$ 132,224	\$ 103,372	\$ 45,502	\$ 2,488	\$ 1,104,734
В	Design and Investigation	\$ 485,088	\$ 372,273	\$ 163,583	\$ 163,583	\$ 699,438	\$ 336,110	\$ 305,226	\$ 330,560	\$ 258,430	\$ 113,754	\$ 10,118	\$ 2,753,074
С	Authority Fees	\$ 136,123	\$ 106,791	\$ 47,531	\$ 49,177	\$ 203,500	\$ 119,277	\$ 108,777	\$ 117,390	\$ 92,866	\$ 43,676	\$ 7,050	\$ 896,036
D	Construction	\$ 3,880,700	\$ 2,978,180	\$ 1,308,661	\$ 1,359,303	\$ 5,646,143	\$ 2,688,882	\$ 2,441,811	\$ 2,644,477	\$ 2,067,437	\$ 910,035	\$ 165,875	\$ 22,210,802
	TOTAL A - D	\$ 4,695,945	\$ 3,606,152	\$ 1,585,208	\$ 1,640,028	\$ 6,831,388	\$ 3,278,713	\$ 2,977,905	\$ 3,224,650	\$ 2,522,105	\$ 1,112,967	\$ 185,531	\$ 26,964,647
E	CONTINGENCY	\$ 582,105	\$ 446,727	\$ 196,299	\$ 203,895	\$ 846,921	\$ 403,332	\$ 366,272	\$ 396,671	\$ 310,116	\$ 136,505	\$ 16,588	\$ 3,323,327
F	PROJECT BUDGET												
	Total Estimate	\$ 5,278,050	\$ 4,052,879	\$ 1,781,507	\$ 1,843,923	\$ 7,678,309	\$ 3,682,046	\$ 3,344,177	\$ 3,621,322	\$ 2,832,220	\$ 1,249,473	\$ 202,119	\$ 30,287,974

SCHEDULE 2: CREEK CROSSING INFRASTRUCTURE (GGF BEBO ARCHES)

ITEM	DESCRIPTION	BR	-03A	BR	-04A	TO	TAL
Α	Project Management @ 5%	\$	91,341	\$	85,412	\$	176,753
В	Design and Investigation @ 8 %	\$	242,054	\$	226,341.80	\$	468,395
С	Authority Fees @ 3.25 %	\$	64,372	\$	60,518	\$	124,889
D	Construction (inc. 15% contigency)	\$	1,826,820	\$	1,708,240	\$	3,535,060
E	15% Contingency	\$	274,023	\$	256,236		
	PROJECT BUDGET (A-D)						
	Total Estimate	\$	2,498,609	\$	2,336,748	\$	4,835,357

SCHEDULE 3: CREEK CROSSING INFRASTRUCTURE (GGF CULVERTS)

ITEM	DESCRIPTION	BR	-03C	BR-	04C	то	TAL
Α	Project Management @ 5%	\$	89,420	\$	77,631	\$	167,051
В	Design and Investigation @ 8 %	\$	236,962	\$	205,722	\$	442,684
С	Authority Fees @ 3.25 %	\$	63,123	\$	55,460	\$	118,583
D	Construction (inc. 15% contigency)	\$	1,788,394	\$	1,552,618	\$	3,341,012
E	15% Contingency	\$	268,259	\$	232,893		
	PROJECT BUDGET (A-D)						
	Total Estimate	\$	2,446,158	\$	2,124,323	\$	4,570,482

NOTES

- 1 All construction rates adopted are based on preecedent tender rates typical of the Donnybrook/Woodstock Area.
- 2 Earthworks are based on approximate calculations as no level design is available
- 3 Cost does not include southern leg of intersection IN-04 (Koukoura Drive/Donnybrook Rd)
- 4 Soft spot rectification Taken as 20% of sub-base pavement
- 5 Rock excavation Assume 50% of sub-base pavement
- 6 Pavement Assume deep lift asphalt pavement
- 7 Subsoil drains Assume same as kerb and channel
- 8 Drainage Assume 375 to 525 DIA RCP pipes
- 9 Side entry & junction pits Based on 40-60 m intervals
- 10 Light pole Based on 80m intervals
- 11 No allowance for electircal kioks
- 12 Landscaping costs based on figures provided by Spiire (23.04.18)
- 13 Pedestrian Signals derived from the Wyndham North DCP.
- 14 No service relocations have been allowed for
- 15 Creek crossing costs exclude lanscaping costs





CP REF	Gounns Gully Road from APA Gas Easement to OMR RD-02 G18040-01-D (Traffix Group)	Length: Area:	1,027 14,079 1.408	sq.m		18.06.18 1941/M/A(i 1.0
ГЕМ	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT	
Α	Project and Program Management (%) Project Management		3.00%		\$ 116,421	\$ 194,035
	Project scoping, planning, scheduling, monitoring, reporting and commissioning				,,	
	Management of preconstruction activities, development of tender documents and management of contracts					
	Managing external interfaces, including community liaison, environmental issues, traffic issues etc. Records management					
	Program Administration		2.00%		\$ 77,614	
В	Design and Investigation (%)					\$ 485,088
	Traffic Investigations & Functional Design		0.85%		\$ 32,986	
	Cadastral and Engineering Survey Geotechnical investigations Pavement Investigations and Design		1.20%		\$ 46,568 \$ 46,568	
	Environmental Investigations		1.20/6		\$ 40,308	
	Landscape Design		1.00%		\$ 38,807	
	Electrical & Public Lighting Design		1.50%		\$ 58,211	
	Civil Preliminary and Final Design Construction Management & Superintendency		4.25% 2.50%		\$ 164,930 \$ 97,018	
С	Authority Fees		2.3070		7 37,010	\$ 136,123
	Whittlesea City Council Checking & Supervision		3.25%		\$ 126,123	
	VicRoads Plan Checking		NA		\$0	
	Ausnet Public lighting and electrical design checking (assumes 2 stages either side of Koukoura Dr)	2	Item	\$ 5,000	\$ 10,000	
D	Construction					\$ 3,880,700
	PRELIMINARIES					\$ 167,500
1	Site establishment (e.g. Site facilities, security fencing, storage sheds etc.)	1	Item	\$ 75,000	\$ 75,000	
2	Site management & supervision including QA	25	wks	\$ 2,500	\$ 62,500	
3	Traffic Management DEMOLITION	1	Item	\$ 30,000	\$ 30,000	\$ 23,766
1	Trees	3	No	\$ 1500	\$ 4,500	÷ 23,700
2	Strip asphalt from existing pavement	0	m²	\$ 5	\$ 0	
3	Removal of existing fencing	1,027	Lm	\$ 18	\$ 18,486	
4	Break out & remove "No Road" sign & concrete edge strip.	2	Item	\$ 390	\$ 780	\$ 568,000
1	EARTHWORKS (VERTICAL ALIGNMENT NOT AVAILABLE) Stripping topsoil (150mm) (included in excavation below)		m²	\$6	\$ 0	000,000 ج
2	Excavation and removal	9,100	m³	\$ 30	\$ 273,000	
.3	Filling	0	m³	\$ 15	\$ 0	
.5 .6	Import Fill material Seft sock positioning (Useritable Subgrade (NDCR))	5,000 1,000	m³ m³	\$ 45 \$ 70	\$ 225,000 \$ 70,000	
ь	Soft spot rectification/Unsuitable Subgrade (NDCR) PAVEMENT	1,000	m-	\$ 70	\$ 70,000	\$ 1,560,795
1	Deep lift asphalt 175 mm (Type H class 320 upper layer 40 mm deep and Type SI lower layer 135 mm deep)	10,900	m²	\$ 85	\$ 926,500	
2	Sub Base 150 mm (Size 20 mm 3% CTCR)	15,260	m²	\$ 25	\$ 381,500	
3	Lower Sub Base 150 mm (Class 4 Size 20 mm CR)	15,260	m²	\$ 10	\$ 152,600	
.5 .6	Shoulder - full depth pavement Rock excavation & sub-surface remediation 150mm (included in 3.6 above)	0.00	m² m²	\$ 145 \$ 70	\$ 100,195 \$ 0	
	DRAINAGE	0.00		7,0		\$ 493,260
1	Subsoil drains 100mm dia - screenings	1787	Lm	\$ 30	\$ 53,610	
.2	Subsoil drains 100mm dia - no fines conc	0	Lm	\$ 45	\$0	
.3	375 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep 450 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	120 612	Lm Lm	\$ 200 \$ 275	\$ 24,000 \$ 168,300	
.5	525 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 in deep	462	Lm	\$ 350	\$ 161,700	
.6	Grated side entry pits as per EDCM 603 @ 0-1.5 m deep	25	No	\$ 2,500	\$ 62,500	
.7	Junction pits (600 X 900) as per EDCM 605 @ 0-1.5 m deep	10	No	\$ 2,000	\$ 20,000	
.8	Drainage Density Tests Allowance to modify drainage to ultimate location	30	No item	\$ 105 \$ 50,000	\$ 3,150 \$ 0	
.0	CONCRETE WORKS		item	\$ 30,000	70	\$ 144,989
.1	Kerb &channel - SM1 300	0	Lm	\$ 32	\$0	
.2	Kerb &channel - SM2 600	1766	Lm	\$ 40	\$ 70,640	
3	Kerb &channel - SM3 600 Edge Strip (200 mm)	159 21	Lm Lm	\$ 40 \$ 34	\$ 6,360 \$ 714	
5	Bike Paths (3.0m wide,125 mm, residential, as per EDC 401) - Bike Path is on-road	0	Lm	\$ 135	\$0	
6	Footpaths (1.5m wide,125 mm, residential, as per EDC 401)	1,035	Lm	\$ 65	\$ 67,275	
7	Laybacks and tactile pavers	0	m²	\$ 850	\$ 0	
8	10m concrete maintenance area end of all islands Additional Shared Paths	0	m² Lm	\$ 85	\$ 0 \$ 0	
9	Additional Shared Paths TRAFFIC SIGNAL WORKS	0	Lm NA	\$ 130		\$
	SIGNAL MAINTENANCE (10 YEARS) by Road Authority		NA NA		\$ -	\$
	ELECTRICAL, PUBILC LIGHTING & TELECOMMUNICATIONS					\$ 393,710
1	Light pole (1-way) and luminous lights Light pole (2-way) and luminous lights to accord with ultimate carriage way.	4-	No	\$ 8,000	\$ 105,000	
3	Light pole (2-way) and luminous lights to accord with ultimate carriage way JUP lighting single	15	No No	\$ 13,000 \$ 4,000	\$ 195,000 \$ 0	
4	JUP lighting dual		No	\$ 5,000	\$0	
5	Trenching and backfilling for cabling including pole excavation	3200	Lm	\$ 26	\$ 83,200	
6	Cabling and PVC conduits (63, 100 & 150 mm dia) for median lighting	2200	Lm	\$ 25	\$ 53,900	
7 8	Service pit installation Electrical connection	25	Item Item	\$ 240 \$ 15,000	\$ 6,000 \$ 30,000	
9	Excavation of Telecom conduit trenches (Comms provider to supply cable)	985	lm	\$ 26	\$ 25,610	
)	LANDSCAPING WORKS					\$ 437,580
0.1	Landscape Treatment including trees, planting and lawn installation. Vehicle exclusion Fencing	845 637	lm No	\$ 450.00 \$ 90.00	\$ 380,250 \$ 57,330	
0.2	Landscape maintenance (including watering of all trees to maintain healthy establishment)	9%	rate	\$ 50.00	\$ 57,330	
L	SIGNAGE	1	item	\$ 15,000		\$ 15,000
2	LINEMARKING	1	item	\$ 40,000	\$ 40,000	\$ 40,000
2 1	SERVICE RELOCATION		l+c			\$0
3.1 •	NA ENVIRONMENTAL CONTROLS (To comply with EPA guidelines for Major Construction Sites & EPA Publication 960)	1	Item item	\$ 35,000	\$ 35 000	\$ 35,000
• 5	MISCELLANEOUS		.ccm	\$ 55,000	Ç 55,000	\$ 1,100
5.1	Existing Road outside of new road pavements	NA				
#	Strip asphalt		m²	\$ 5	\$ -	
#	Recycle FCR to stockpile backfill with structural fill		m³ m³	\$ 10 \$ 12	\$ -	
5.2	PSMs	2	item	\$ 12	\$ -	
5	PROVISIONAL SUM - DAYWORK	_	item		\$ -	\$
	TOTALA +B+C+D					\$ 4,695,945
E	Contingency (15% of C)					¢ F02 407
F	Contingency (15% of C) PROJECT BUDGET				15%	\$ 582,105
	Total Estimate					\$ 5,27



CP REF	Koukoura Drive Between Donnybrook Road and Hayes Hill Blvd RD-05-i G18040-01-D (Traffix Group)	Length: Area:	622 21,100 2.110	sq.m		17.05.18 1941/M/A(1.1
ΓEM	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT	
Α	Project and Program Management (%)					\$ 148,909
	Project Management Project scoping, planning, scheduling, monitoring, reporting and commissioning		3.00%		\$ 89,345	
	Management of preconstruction activities, development of tender documents and management of contracts					
	Managing external interfaces, including community liaison, environmental issues, traffic issues etc					
	Records management Program Administration		2.00%		\$ 59,564	
В	Design and Investigation (%)		2.00%			\$ 372,273
	Traffic Investigations & Fucntional Design		0.85%		\$ 25,315	
	Cadastral and Engineering Survey		1.20%		\$ 35,738	
	Geotechnical investigations Pavement Investigations and Design Environmental Investigations		1.20%		\$ 35,738 \$ 0	
	Landscape Design		1.00%		\$ 29,782	
	Electrical & Public Lighting Design		1.50%		\$ 44,673	
	Civil Preliminary and Final Design Construction Management & Superintendency		4.25% 2.50%		\$ 126,573 \$ 74,455	
С	Authority Fees		2.3070			\$ 106,791
	Whittlesea City Council Checking & Supervision		3.25%		\$ 96,791	
	VicRoads Plan Checking		NA	¢ 5 000	\$ 0	
	Ausnet Public lighting and electrical design checking (assumes 2 stages)	2	Item	\$ 5,000	\$ 10,000	
D	Construction					\$ 2,978,180
	PRELIMINARIES					\$ 155,000
1	Site establishment (e.g. Site facilities, security fencing, storage sheds etc.)	1	Item	\$ 75,000	\$ 75,000 \$ 50,000	
3	Site management & supervision including QA Traffic Management	20	wks Item	\$ 2,500 \$ 30,000	\$ 50,000 \$ 30,000	
3	DEMOLITION			, 25,500		\$ 6,360
1	Trees	2	No	\$ 1500	\$ 3,000	
2	Strip asphalt from existing pavement	0	m²	\$5	\$ 0 \$ 2 970	
3 4	Removal of existing fencing Break out & remove "No Road" sign & concrete edge strip.	165	Lm Item	\$ 18 \$ 390	\$ 2,970 \$ 390	
-	EARTHWORKS (VERTICAL ALIGNMENT NOT AVAILABLE)			, 550		\$ 877,000
1	Stripping topsoil (150mm) (included in excavation below)		m²	\$ 6	\$0	
2 3	Excavation and removal Filling	19,400	m³ m³	\$ 30 \$ 15	\$ 582,000 \$ 0	
5	Filling Import Fill material	5,000	m³	\$ 15	\$ 0	
6	Soft spot rectification/Unsuitable Subgrade (NDCR)	1,000	m³	\$ 70	\$ 70,000	
	PAVEMENT					\$ 688,150
2	Deep lift asphalt 175 mm (Type H class 320 upper layer 40 mm deep and Type SI lower layer 135 mm deep) Sub Base 150 mm (Size 20 mm 3% CTCR)	5,160 7,130	m² m²	\$ 85 \$ 25	\$ 438,600 \$ 178,250	
3	Lower Sub Base 150 mm (Class 4 Size 20 mm CR)	7,130	m²	\$ 10	\$ 178,250	
5	Shoulder - full depth pavement	0	m²	\$ 145	\$0	
6	Rock excavation & sub-surface remediation 150mm (included in 3.6 above)	0.00	m²	\$ 70	\$ 0	
1	DRAINAGE Subsoil drains 100mm dia - screenings	2054	Lm	\$ 30	\$ 91,530	\$ 182,560
2	Subsoil drains 100mm dia - no fines conc	3051	Lm	\$ 45	\$ 91,330	
3	375 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	154	Lm	\$ 170	\$ 26,180	
4	450 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	22	Lm	\$ 275	\$ 6,050	
.5 .6	525 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep Grated side entry pits as per EDCM 603 @ 0-1.5 m deep	18	Lm No	\$ 350 \$ 2,500	\$ 7,700 \$ 45,000	
7	Junction pits (600 X 900) as per EDCM 605 @ 0-1.5 m deep	2	No	\$ 2,000	\$ 4,000	
8	Drainage Densisty Tests	20	No	\$ 105	\$ 2,100	
.8	Allowance to modify drainage to ultimate location	0	item	\$ 50,000	\$ 0	
1	CONCRETE WORKS Kerb & Channel - SM1 300	0	Lm	\$ 32	\$ 0	\$ 361,918
2	Kerb &channel - SM2 600	1520	Lm	\$ 35	\$ 53,200	
3	Kerb &channel - SM3 600	1524	Lm	\$ 35	\$ 53,340	
4	Edge Strip (200 mm)	7	Lm	\$ 34	\$ 238	
4 5	Bike Paths (3.0m wide,125 mm, residential, as per EDC 401) Footpaths (1.5m wide,125 mm, residential, as per EDC 401)	1,524 760	Lm Lm	\$ 135 \$ 65	\$ 205,740 \$ 49,400	
6	Laybacks and tactile pavers	0	m²	\$ 850	\$ 45,460	
7	10m concrete maintenance area end of all islands	0	m²	\$ 85	\$ 0	
8	Additional Shared Paths TRAFFIC SIGNAL WORKS	0	Lm NA	\$ 130	\$ 0	
	SIGNAL MAINTENANCE (10 YEARS) by Road Authority		NA NA			\$
	ELECTRICAL, PUBIC LIGHTING & TELECOMMUNICATIONS					\$ 262,072
1	Light pole (1-way) and luminous lights		No	\$ 8,000	\$0	
3	Light pole (2-way) and luminous lights to accord with ultimate carraiageway JUP lighting single	10	No No	\$ 13,000 \$ 4,000	\$ 130,000 \$ 0	
4	JUP lighting dual		No	\$ 4,000	\$0	
5	Trenching and backfilling for cabling including pole excavation	1520	Lm	\$ 26	\$ 39,520	
6	Cabling and PVC conduits (63, 100 & 150 mm dia) for median lighting	2200	Lm	\$ 25	\$ 53,900	
7 8	Service pit installation Electrical connection	16	Item Item	\$ 240 \$ 15,000	\$ 3,840 \$ 15,000	
9	Excavation of Telecom conduit trenches (Comms provider to supply cable)	762	lm	\$ 26	\$ 19,812	
)	LANDSCAPING WORKS					\$ 369,570
).1	Landscape Treatment including trees, planting and lawn installation.	762 1143	lm No	\$ 350.00 \$ 90.00	\$ 266,700 \$ 102,870	
0.2	Vehicle exclusion Fencing Landscape maintenance (including watering of all trees to maintain healthy establishment)	9%	No rate	υ.υε ς	\$ 102,870 \$ 33,261	
L	SIGNAGE	1	item	\$ 10,000	\$ 10,000	
2	LINEMARKING	1	item	\$ 30,000	\$ 30,000	
3.1	SERVICE RELOCATION NA		Item			\$ 0
3.1 4	ENVIRONMENTAL CONTROLS (To comply with EPA guidelines for Major Construction Sites & EPA Publication 960)	1	Item item	\$ 35,000	\$ 35,000	\$ 35,000
5	MISCELLANEOUS			,,,,,,		\$ 550
5.1	Exisiting Road outside of new road pavements	NA				
#	Strip asphalt		m²	\$5	\$ -	
#	Recycle FCR to stockpile backfill with structural fill		m³ m³	\$ 10 \$ 12	\$ - \$ -	
5.2	PSMs -	1	item	\$ 550	\$ 550	
5	PROVISIONAL SUM - DAYWORK		item		\$ -	\$
C	TOTAL A + B + C + D					\$ 3,606,152
E	Contingency Contingency (15% of C)				15%	\$ 446,727
	Contingency (15% of C)					
F	PROJECT BUDGET					



EM.	G18040-01-D (Traffix Group) DESCRIPTION	OLIANITITY		ha		1.1
EM A	Project and Program Management (%)	QUANTITY	UNIT	RATE	AMOUNT	\$ 65,433
	Project Management		3.00%		\$ 39,260	
	Project scoping, planning, scheduling, monitoring, reporting and commissioning Management of preconstruction activities, development of tender documents and management of contracts					
	Managing external interfaces, including community liaison, environmental issues, traffic issues etc					
	Records management		/			
В	Program Administration Design and Investigation (%)		2.00%		\$ 26,173	\$ 163,583
	Traffic Investigations & Fucntional Design		0.85%		\$ 11,124	
	Cadastral and Engineering Survey		1.20%		\$ 15,704	
	Geotechnical investigations Pavement Investigations and Design Environmental Investigations		1.20%		\$ 15,704 \$ 0	
	Landscape Design		1.00%		\$ 13,087	
	Electrical & Public Lighting Design		1.50%		\$ 19,630	
	Civil Preliminary and Final Design Construction Management & Superintendency		4.25% 2.50%		\$ 55,618 \$ 32,717	
С	Authority Fees				+ 32/12/	\$ 47,531
	Whittlesea City Council Checking & Supervision		3.25%		\$ 42,531	
	VicRoads Plan Checking Ausnet Public lighting and electrical design checking (assumes 1 stage)	1	NA Item	\$ 5,000	\$ 0 \$ 5,000	
	Assist Control of the Control of	_		\$ 5,000	\$ 5,000	
D	Construction					\$ 1,308,661
1	PRELIMINARIES Site actabilishment (a.g. Site facilities, easysty fancing, storage shade at a.)	1	Itom	¢ 35 000	¢ 25 000	\$ 80,000
2	Site establishment (e.g. Site facilities, security fencing, storage sheds etc.) Site management & supervision including QA	10	ltem wks	\$ 35,000 \$ 2,500	\$ 35,000 \$ 25,000	
3	Traffic Management	1	Item	\$ 20,000	\$ 20,000	
1	DEMOLITION Trace		A.1	6.4500		\$ 390
2	Trees Strip asphalt from existing pavement	0	No m²	\$ 1500 \$ 5	\$ 0 \$ 0	
3	Removal of existing fencing	0	Lm	\$ 18	\$ 0	
1	Break out & remove "No Road" sign & concrete edge strip.	1	Item	\$ 390	\$ 390	
L	EARTHWORKS (VERTICAL ALIGNMENT NOT AVAILABLE) Stripping topsoil (150mm) (included in excavation below)		m²	\$ 6	\$ 0	\$ 276,500
2	Excavation and removal	6,200	m³	\$ 30	\$ 186,000	
	Filling	0	m³	\$ 15	\$0	
5	Import Fill material Soft spot rectification/Unsuitable Subgrade (NDCR)	1,000 650	m³ m³	\$ 45 \$ 70	\$ 45,000 \$ 45,500	
-	PAVEMENT	030		Ç 70	Ç 43,500	\$ 283,200
1	Deep lift asphalt 175 mm (Type H class 320 upper layer 40 mm deep and Type SI lower layer 135 mm deep)	1,996	m²	\$ 85	\$ 169,660	
3	Sub Base 150 mm (Size 20 mm 3% CTCR) Lower Sub Base 150 mm (Class 4 Size 20 mm CR)	3,244	m² m²	\$ 25 \$ 10	\$ 81,100 \$ 32,440	
5	Shoulder - full depth pavement	0	m²	\$ 145	\$ 32,440	
5	Rock excavation & sub-surface remediation 150mm (included in 3.6 above)	0.00	m²	\$ 70	\$0	
	DRAINAGE			¢ 20	A 44 550	\$ 125,900
1 2	Subsoil drains 100mm dia - screenings Subsoil drains 100mm dia - no fines conc	1385	Lm Lm	\$ 30 \$ 45	\$ 41,550 \$ 0	
3	375 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	140	Lm	\$ 170	\$ 23,800	
4	450 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	22	Lm	\$ 275	\$ 6,050	
5	525 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep Grated side entry pits as per EDCM 603 @ 0-1.5 m deep	25 15	Lm No	\$ 350 \$ 2,500	\$ 8,750 \$ 37,500	
7	Junction pits (600 X 900) as per EDCM 605 @ 0-1.5 m deep	2	No	\$ 2,000	\$ 4,000	
3	Drainage Densisty Tests	10	No	\$ 105	\$ 1,050	
9 10	Adjust & connect to existing pits	2	No item	\$ 1,600 \$ 50,000	\$ 3,200 \$ 0	
10	Allowance to modify drainage to ultimate location CONCRETE WORKS	0	item	\$ 30,000	30	\$ 163,708
1	Kerb &channel - SM1 300	0		\$ 32	\$0	
2 3	Kerb &channel - SM2 600 Kerb &channel - SM3 600	689 689	Lm Lm	\$ 35 \$ 35	\$ 24,115 \$ 24,115	
1	Edge Strip (200 mm)	7	Lm	\$ 34	\$ 238	
1	Bike Paths (3.0m wide,125 mm, residential, as per EDC 401)	688	Lm	\$ 135	\$ 92,880	
5	Footpaths (1.5m wide,125 mm, residential, as per EDC 401)	0	Lm m²	\$ 65 \$ 850	\$ 22,360	
, 7	Laybacks and tactile pavers 10m concrete maintenance area end of all islands	0	m²	\$ 85	\$0	
3	Additional Shared Paths	0	Lm	\$ 130	\$0	
	TRAFFIC SIGNAL WORKS		NA NA		\$ - \$ -	\$
	SIGNAL MAINTENANCE (10 YEARS) by Road Authority ELECTRICAL, PUBILC LIGHTING & TELECOMMUNICATIONS		NA		\$ -	\$ 133,720
ı	Light pole (1-way) and luminous lights		No	\$ 8,000	\$ 0	
2	Light pole (2-way) and luminous lights to accord with ultimate carraiageway	5	No	\$ 13,000	\$ 65,000	
	JUP lighting single JUP lighting dual		No No	\$ 4,000 \$ 5,000	\$ 0 \$ 0	
	Trenching and backfilling for cabling including pole excavation	700	Lm	\$ 26	\$ 18,200	
5	Cabling and PVC conduits (63, 100 & 150 mm dia) for median lighting	1000	Lm	\$ 25	\$ 24,500	
7 3	Service pit installation Electrical connection	8	Item Item	\$ 240 \$ 15,000	\$ 1,920 \$ 15,000	
)	Excavation of Telecom conduit trenches (Comms provider to supply cable)	350	Im	\$ 26	\$ 9,100	
	LANDSCAPING WORKS			1		\$ 189,693
.1	Landscape Treatment including trees, planting and lawn installation. Vehicle exclusion Fencing	345 592	lm No	\$ 350.00 \$ 90.00	\$ 120,750 \$ 53,280	
.3	Landscape maintenance (including watering of all trees to maintain healthy establishment)	9%	rate	Ç 30.00	\$ 15,663	
	SIGNAGE	1	item	\$ 10,000		\$ 10,000
	LINEMARKING SERVICE RELOCATION	1	item	\$ 30,000	\$ 30,000	\$ 30,000
.1	NA NA		Item			7 0
	ENVIRONMENTAL CONTROLS (To comply with EPA guidelines for Major Construction Sites & EPA Publication 960)	1	item	\$ 15,000		\$ 15,000
.1	MISCELLANEOUS Exisiting Road outside of new road pavements	NA				\$ 550
#	Exisiting Road outside or new road pavements Strip asphalt	1963	m²	\$ 5	\$ -	
#	Recycle FCR to stockpile		m³	\$ 10	\$ -	
#	backfill with structural fill		m³	\$ 12	\$ -	
.2	PSMs PROVISIONAL SUM - DAYWORK	1	item	\$ 550	\$ 550	\$
	TOTAL A + B + C + D					\$ 1,585,208
E	Contingency					6.405.3
F	Contingency (15% of C) PROJECT BUDGET				15%	\$ 196,299
	Total Estimate					\$ 1,78
	Total Estimate per linear metre (\$/Im)					\$



ΓEM		OLIVA TOTAL				
	DESCRIPTION Project and Program Management (%)	QUANTITY	UNIT	RATE	AMOUNT	\$ 67,965
_	Project Management		3.00%		\$ 40,779	
_	Project scoping, planning, scheduling, monitoring, reporting and commissioning Management of preconstruction activities, development of tender documents and management of contracts					
	Managing external interfaces, including community liaison, environmental issues, traffic issues etc					
_	Records management					
_	Program Administration Design and Investigation (%)		2.00%		\$ 27,186	\$ 169,913
	Traffic Investigations & Fucntional Design		0.85%		\$ 11,554	
	Cadastral and Engineering Survey		1.20%		\$ 16,312	
	Geotechnical investigations Pavement Investigations and Design		1.20%		\$ 16,312 \$ 0	
	Environmental Investigations Landscape Design		1.00%		\$ 13,593	
	Electrical & Public Lighting Design		1.50%		\$ 20,390	,
_	Civil Preliminary and Final Design		4.25% 2.50%		\$ 57,770	
	Construction Management & Superintendency Authority Fees		2.50%		\$ 33,983	\$ 49,177
	Whittlesea City Council Checking & Supervision		3.25%		\$ 44,177	
_	VicRoads Plan Checking		NA	¢ 5 000	\$ 0	
	Ausnet Public lighting and electrical design checking (assumes 1 stage)	1	Item	\$ 5,000	\$ 5,000	
D	Construction					\$ 1,359,303
	PRELIMINARIES					\$ 80,000
_	Site establishment (e.g. Site facilities, security fencing, storage sheds etc.) Site management & supervision including QA	1 10	ltem wks	\$ 35,000 \$ 2,500	\$ 35,000 \$ 25,000	
	Traffic Management	10	Item	\$ 2,500	\$ 20,000	
	DEMOLITION					\$ 2,790
	Trees Strip asphalt from existing pavement	1 0	No m²	\$ 1500 \$ 5	\$ 1,500 \$ 0	
3	Strip aspnait from existing pavement Removal of existing fencing	50	Lm	\$ 18	\$ 900	
	Break out & remove "No Road" sign & concrete edge strip.	1	Item	\$ 390	\$ 390	
	EARTHWORKS (VERTICAL ALIGNMENT <u>NOT</u> AVAILABLE)		2	4 -		\$ 313,200
	Stripping topsoil (150mm) (included in excavation below) Excavation and removal	7,400	m² m³	\$ 6 \$ 30	\$ 0 \$ 222,000	
_	Filling	7,400	m³	\$ 15	\$ 222,000	
5	Import Fill material	1,000	m³	\$ 45	\$ 45,000	
	Soft spot rectification/Unsuitable Subgrade (NDCR) PAVEMENT	660	m³	\$ 70	\$ 46,200	\$ 286,050
	Deep lift asphalt 175 mm (Type H class 320 upper layer 40 mm deep and Type SI lower layer 135 mm deep)	2,018	m²	\$ 85	\$ 171,530	
2	Sub Base 150 mm (Size 20 mm 3% CTCR)	3,272	m²	\$ 25	\$ 81,800	
	Lower Sub Base 150 mm (Class 4 Size 20 mm CR)	3,272	m²	\$ 10	\$ 32,720	
_	Shoulder - full depth pavement Rock excavation & sub-surface remediation 150mm (included in 3.6 above)	0.00	m² m²	\$ 145 \$ 70	\$ 0 \$ 0	
_	DRAINAGE	0.00		770	70	\$ 126,320
L	Subsoil drains 100mm dia - screenings	1399	Lm	\$ 30	\$ 41,970	,
	Subsoil drains 100mm dia - no fines conc	0	Lm	\$ 45	\$ 0	
	375 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep 450 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	140	Lm Lm	\$ 170 \$ 275	\$ 23,800 \$ 6,050	
	525 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	25	Lm	\$ 350	\$ 8,750	
	Grated side entry pits as per EDCM 603 @ 0-1.5 m deep	15	No	\$ 2,500	\$ 37,500	
7	Junction pits (600 X 900) as per EDCM 605 @ 0-1.5 m deep Drainage Densisty Tests	10	No No	\$ 2,000 \$ 105	\$ 4,000 \$ 1,050	
_	Adjust & connect to existing pits	2	No	\$ 1,600	\$ 3,200	
10	Allowance to modify drainage to ultimate location	0	item	\$ 50,000	\$ 0	
1	CONCRETE WORKS Kerb & Channel - SM1 300	0	Lm	\$ 32	\$ 0	\$ 165,538
2	Kerb &channel - SM2 600	696	Lm	\$ 35	\$ 24,360	
3	Kerb &channel - SM3 600	696	Lm	\$ 35	\$ 24,360	,
	Edge Strip (200 mm)	7	Lm	\$ 34	\$ 238	
l 5	Bike Paths (3.0m wide,125 mm, residential, as per EDC 401) Footpaths (1.5m wide,125 mm, residential, as per EDC 401)	696 348	Lm Lm	\$ 135 \$ 65	\$ 93,960 \$ 22,620	
_	Laybacks and tactile pavers	0	m²	\$ 850	\$0	
_	10m concrete maintenance area end of all islands	0	m²	\$ 85	\$0	
	Additional Shared Paths TRAFFIC SIGNAL WORKS	0	Lm NA	\$ 130	\$ 0	Ś
	SIGNAL MAINTENANCE (10 YEARS) by Road Authority		NA NA		\$ -	\$
	ELECTRICAL, PUBILC LIGHTING & TELECOMMUNICATIONS					\$ 133,720
2	Light pole (1-way) and luminous lights Light pole (2-way) and luminous lights to accord with ultimate carraiageway	5	No No	\$ 8,000 \$ 13,000	\$ 0 \$ 65,000	
	JUP lighting single	5	No	\$ 13,000	\$ 65,000	
1	JUP lighting dual		No	\$ 5,000	\$ 0)
5	Trenching and backfilling for cabling including pole excavation Cabling and PVC conduits (63, 100 & 150 mm dia) for median lighting	700	Lm	\$ 26 \$ 25	\$ 18,200 \$ 24,500	
_	Service pit installation	1000	Lm Item	\$ 25	\$ 24,500 \$ 1,920	
	Electrical connection	1	Item	\$ 15,000	\$ 15,000	
	Excavation of Telecom conduit trenches (Comms provider to supply cable)	350	lm	\$ 26	\$ 9,100	
.1	LANDSCAPING WORKS Landscape Treatment including trees, planting and lawn installation.	348	Im	\$ 350.00	\$ 121,800	\$ 196,135
	Vehicle exclusion Fencing	646	No	\$ 90.00	\$ 58,140	
.3	Landscape maintenance (including watering of all trees to maintain healthy establishment)	9%	rate	642.53	\$ 16,195	
	SIGNAGE LINEMARKING	1 1	item	\$ 10,000 \$ 30,000		\$ 10,000
	SERVICE RELOCATION			2,300	, 55,000	\$ 0
	NA		Item			0.4=
	ENVIRONMENTAL CONTROLS (To comply with EPA guidelines for Major Construction Sites & EPA Publication 960) MISCELLANEOUS	1	item	\$ 15,000	\$ 15,000	\$ 15,000 \$ 550
	Exisiting Road outside of new road pavements	NA				7 330
#	Strip asphalt		m²	\$ 5	\$ -	
	Recycle FCR to stockpile		m³	\$ 10	\$ -	
	backfill with structural fill PSMs	1	m³ item	\$ 12 \$ 550	\$ - \$ 550	
	PROVISIONAL SUM - DAYWORK	1	item	Ç 330	\$ -	\$
	TOTAL A +B+C+D					\$ 1,646,358
	Contingency (15% of C)				450	\$ 202 905
	Contingency (15% of C) PROJECT BUDGET				15%	\$ 203,895
F						



	DESCRIPTION Project and Program Management (%)	QUANTITY	UNIT	RATE	AMOUNT	SUBTOT
	During Management					\$ 134,444
	Project Management		3.00%		\$ 80,666	
	Project scoping, planning, scheduling, monitoring, reporting and commissioning Management of preconstruction activities, development of tender documents and management of contracts					
	Managing external interfaces, including community liaison, environmental issues, traffic issues etc					
	Records management Program Administration		2.00%		\$ 53,778	
3	Design and Investigation (%)		2.00%		\$ 33,776	\$ 336,110
	Traffic Investigations & Fucntional Design		0.85%		\$ 22,855	
	Cadastral and Engineering Survey Geotechnical investigations Pavement Investigations and Design		1.20%		\$ 32,267 \$ 32,267	
	Environmental Investigations				\$ 0	
	Landscape Design		1.00%		\$ 26,889	
	Electrical & Public Lighting Design Civil Preliminary and Final Design		1.50% 4.25%		\$ 40,333 \$ 114,277	
	Construction Management & Superintendency		2.50%		\$ 67,222	
:	Authority Fees					\$ 119,277
	Whittlesea City Council Checking & Supervision VicRoads Plan Checking		3.25% 1.00%		\$ 87,389 \$ 26,889	
	Ausnet Public lighting and electrical design checking (assumes 1 stage)	1	Item	\$ 5,000	\$ 5,000	
	Parada and an					¢ 2 COO OO
)	Construction PRELIMINARIES					\$ 2,688,88 2 \$ 310,000
	Site establishment (e.g. Site facilities, security fencing, storage sheds etc.)	1	Item	\$ 35,000	\$ 35,000	
	Site management & supervision including QA	10	wks	\$ 2,500	\$ 25,000	
	Traffic Management DEMOLITION	1	Item	\$ 250,000	\$ 250,000	\$ 2,790
	Trees	1	No	\$ 1500	\$ 1,500	
	Strip asphalt from existing pavement	0	m²	\$ 5	\$ 0	
	Removal of existing fencing Reak out & remove "No Road" sign & concrete edge strip	50	Lm	\$ 18 \$ 390	\$ 900	
	Break out & remove "No Road" sign & concrete edge strip. EARTHWORKS (VERTICAL ALIGNMENT NOT AVAILABLE)	1	Item	÷ 2A0	\$ 390	\$ 313,200
	Stripping topsoil (150mm) (included in excavation below)		m²	\$ 6	\$ 0	
	Excavation and removal	7,400	m³	\$ 30	\$ 222,000	
	Filling Import Fill material	1,000	m³ m³	\$ 15 \$ 45	\$ 0 \$ 45,000	
	Soft spot rectification/Unsuitable Subgrade (NDCR)	660	m³	\$ 70	\$ 46,200	
	PAVEMENT Does lift asphalt 175 mm /Type H class 220 upper layer 40 mm deep and Type SI lower layer 125 mm deep)		?	¢ or	¢ 640 00=	\$ 929,325
	Deep lift asphalt 175 mm (Type H class 320 upper layer 40 mm deep and Type SI lower layer 135 mm deep) Sub Base 150 mm (Size 20 mm 3% CTCR)	6,835 8,000	m² m²	\$ 95 \$ 25	\$ 649,325 \$ 200,000	
	Lower Sub Base 150 mm (Class 4 Size 20 mm CR)	8,000	m²	\$ 10	\$ 80,000	
	Shoulder - full depth pavement	0	m²	\$ 145	\$ 0	
	Rock excavation & sub-surface remediation 150mm (included in 3.6 above) DRAINAGE	0.00	m²	\$ 70	\$ 0	\$ 130,520
	Subsoil drains 100mm dia - screenings	1399	Lm	\$ 30	\$ 41,970	
	Subsoil drains 100mm dia - no fines conc	0	Lm	\$ 45	\$ 0	
	375 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep 450 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	140	Lm Lm	\$ 200 \$ 275	\$ 28,000 \$ 6,050	
	450 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep 525 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	25	Lm Lm	\$ 350	\$ 6,050	
	Grated side entry pits as per EDCM 603 @ 0-1.5 m deep	15	No	\$ 2,500	\$ 37,500	
	Junction pits (600 X 900) as per EDCM 605 @ 0-1.5 m deep	2	No	\$ 2,000	\$ 4,000	
	Drainage Densisty Tests Adjust & connect to existing pits	10	No No	\$ 105 \$ 1,600	\$ 1,050 \$ 3,200	
	Allowance to modify drainage to ultimate location	0	item	\$ 50,000	\$ 0	
	CONCRETE WORKS		·	4		\$ 199,642
	Kerb &channel - SM1 300 Kerb &channel - SM2 600	696	Lm Lm	\$ 32 \$ 40	\$ 0 \$ 27,840	
	Kerb &channel - SM3 600	696	Lm	\$ 40	\$ 27,840	
	Edge Strip (200 mm)	7	Lm	\$ 34	\$ 238	
	Bike Paths (3.0m wide,125 mm, residential, as per EDC 401) Footpaths (1.5m wide,125 mm, residential, as per EDC 401)	696 348	Lm Lm	\$ 165 \$ 83	\$ 114,840 \$ 28,884	
	Laybacks and tactile pavers	0	m²	\$ 850	\$ 28,884	
	10m concrete maintenance area end of all islands	0	m²	\$ 85	\$ 0	
	Additional Shared Paths TRACEIC SIGNAL WORKS	0	Lm	\$ 130	\$ 300,000	
	TRAFFIC SIGNAL WORKS SIGNAL MAINTENANCE (10 YEARS) by Road Authority	1	item item	\$ 300,000		\$ 300,000
	ELECTRICAL, PUBIC LIGHTING & TELECOMMUNICATIONS			,000	, 200,000	\$ 133,720
	Light pole (1-way) and luminous lights		No	\$ 8,000	\$ 0	
	Light pole (2-way) and luminous lights to accord with ultimate carraiageway JUP lighting single	5	No No	\$ 13,000 \$ 4,000	\$ 65,000 \$ 0	
	JUP lighting dual		No	\$ 5,000	\$0	
	Trenching and backfilling for cabling including pole excavation	700	Lm	\$ 26	\$ 18,200	
	Cabling and PVC conduits (63, 100 & 150 mm dia) for median lighting	1000	Lm	\$ 25 \$ 240	\$ 24,500 \$ 1,920	
	Service pit installation for Traffic Signals Electrical connection	1	Item Item	\$ 240	\$ 1,920 \$ 15,000	
	Excavation of Telecom conduit trenches (Comms provider to supply cable)	350	lm	\$ 26	\$ 9,100	
	Landscaping Works		1	f 250 5-	A	\$ 196,135
	Landscape Treatment including trees, planting and lawn installation. Vehicle exclusion Fencing	348 646	lm No	\$ 350.00 \$ 90.00	\$ 121,800 \$ 58,140	
	Landscape maintenance (including watering of all trees to maintain healthy establishment)	9%	rate	, 23.00	\$ 16,195	
	SIGNAGE	1	item	\$ 18,000		\$ 18,000
	LINEMARKING & DIRECTIONAL TACTILES SERVICE RELOCATION	1	item	\$ 40,000	\$ 40,000	\$ 40,000
	NA NA		Item			7 0
	ENVIRONMENTAL CONTROLS (To comply with EPA guidelines for Major Construction Sites & EPA Publication 960)	1	item	\$ 15,000	\$ 15,000	\$ 15,000
	MISCELLANEOUS Eviciting Pood outside of new road payaments	NA				\$ 550
.1.1	Exisiting Road outside of new road pavements Strip asphalt	NA	m²	\$ 5	\$ -	
.1.2	Recycle FCR to stockpile		m³	\$ 10	\$ -	
.1.3	backfill with structural fill		m³	\$ 12	\$ -	
	PSMs PROVISIONAL SUM - DAYWORK	1	item item	\$ 550	\$ 550	Ś
	TOTAL A + B + C + D		item		, -	\$ 3,278,713
	Contingency					
	Contingency (15% of C)				15%	\$ 403,332
	PROJECT BUDGET Total Estimate					\$ 3,
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					y/2	

PLANS	IN-07 G18040-01-D (Traffix Group)	Area:	20,170	ha	VER	
EM A	DESCRIPTION Project and Program Management (%)	QUANTITY	UNIT	RATE	AMOUNT	\$UBTOTA \$ 122,091
	Project Management		3.00%		\$ 73,254	7,
	Project scoping, planning, scheduling, monitoring, reporting and commissioning					
	Management of preconstruction activities, development of tender documents and management of contracts					
	Managing external interfaces, including community liaison, environmental issues, traffic issues etc Records management					
	Program Administration		2.00%		\$ 48,836	
3	Design and Investigation (%)					\$ 305,226
	Traffic Investigations & Fucntional Design		0.85%		\$ 20,755	
	Cadastral and Engineering Survey Geotechnical investigations Pavement Investigations and Design		1.20%		\$ 29,302 \$ 29,302	
	Environmental Investigations				\$ 0	
	Landscape Design		1.00%		\$ 24,418	
	Electrical & Public Lighting Design		1.50%		\$ 36,627	
	Civil Preliminary and Final Design		4.25%		\$ 103,777	
2	Construction Management & Superintendency Authority Fees		2.50%		\$ 61,045	\$ 108,777
	Whittlesea City Council Checking & Supervision		3.25%		\$ 79,359	7
	VicRoads Plan Checking		1.00%		\$ 24,418	
	Ausnet Public lighting and electrical design checking (assumes 1 stage)	1	Item	\$ 5,000	\$ 5,000	
	Paradon Africa					¢ 2 444 044
)	Construction PRELIMINARIES					\$ 2,441,811 \$ 115,000
	Site establishment (e.g. Site facilities, security fencing, storage sheds etc.)	1	Item	\$ 35,000	\$ 35,000	7 113,000
	Site management & supervision including QA	24	wks	\$ 2,500	\$ 60,000	
	Traffic Management	1	Item	\$ 20,000	\$ 20,000	
	DEMOLITION Traces			A	4	\$ 2,790
	Trees Strip asphalt from existing pavement	1 0	No m²	\$ 1500 \$ 5	\$ 1,500 \$ 0	
	Removal of existing fencing	50	Lm	\$ 18	\$ 900	
	Break out & remove "No Road" sign & concrete edge strip.	1	Item	\$ 390	\$ 390	
	EARTHWORKS (VERTICAL ALIGNMENT NOT AVAILABLE)					\$ 450,000
	Stripping topsoil (150mm) (included in excavation below)		m²	\$ 6	\$ 0	
	Excavation and removal	10,000	m³ m³	\$ 30 \$ 15	\$ 300,000 \$ 0	
	Filling Import Fill material	1,000	m³	\$ 15	\$ 45,000	
	Soft spot rectification/Unsuitable Subgrade (NDCR)	1,500	m³	\$ 70	\$ 105,000	
	PAVEMENT					\$ 724,675
	Deep lift asphalt 175 mm (Type H class 320 upper layer 40 mm deep and Type SI lower layer 135 mm deep)	5,495	m²	\$ 85	\$ 467,075	
!	Sub Base 150 mm (Size 20 mm 3% CTCR) Lower Sub Base 150 mm (Class 4 Size 20 mm CR)	7,360	m² m²	\$ 25	\$ 184,000 \$ 73,600	
	Shoulder - full depth pavement	7,360	m²	\$ 10 \$ 145	\$ 73,600	
·	Rock excavation & sub-surface remediation 150mm (included in 3.6 above)	0.00	m²	\$ 70	\$ 0	
	DRAINAGE					\$ 183,760
	Subsoil drains 100mm dia - screenings	1102	Lm	\$ 30	\$ 33,060	
!	Subsoil drains 100mm dia - no fines conc	0	Lm	\$ 45	\$ 0	
l	375 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep 450 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	70	Lm Lm	\$ 170 \$ 275	\$ 69,700 \$ 19,250	
;	525 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 in deep	70	Lm	\$ 350	\$ 19,230	
5	Grated side entry pits as per EDCM 603 @ 0-1.5 m deep	15	No	\$ 2,500	\$ 37,500	
,	Junction pits (600 X 900) as per EDCM 605 @ 0-1.5 m deep	10	No	\$ 2,000	\$ 20,000	
8	Drainage Densisty Tests	10	No	\$ 105	\$ 1,050	
	Adjust & connect to existing pits	2	No	\$ 1,600	\$ 3,200	
.0	Allowance to modify drainage to ultimate location CONCRETE WORKS	0	item	\$ 50,000	\$ 0	\$ 154,517
	Kerb &channel - SM1 300	288	Lm	\$ 32	\$ 9,216	¥ 13 1,317
!	Kerb &channel - SM2 600	780	Lm	\$ 35	\$ 27,300	
	Kerb &channel - SM3 600	0	Lm	\$ 35	\$ 0	
	Edge Strip (200 mm)	34	Lm	\$ 34	\$ 1,156	
	Bike Paths (3.0m wide,125 mm, residential, as per EDC 401) Footpaths (1.5m wide,125 mm, residential, as per EDC 401)	635 348	Lm Lm	\$ 135 \$ 65	\$ 85,725 \$ 22,620	
	Laybacks and tactile pavers	10	m²	\$ 850	\$ 8,500	
	10m concrete maintenance area end of all islands	0	m²	\$ 85	\$ 0	
	Additional Shared Paths	0	Lm	\$ 130	\$ 0	
	TRAFFIC SIGNAL WORKS	1	item	\$ 300,000	\$ 300,000	
	SIGNAL MAINTENANCE (10 YEARS) by Road Authority ELECTRICAL, PUBIC LIGHTING & TELECOMMUNICATIONS	1	item	\$ 100,000	\$ 100,000	\$ 100,000 \$ 147,575
	Light pole (1-way) and luminous lights		No	\$ 8,000	\$ 0	y 17/,3/3
	Light pole (2-way) and luminous lights to accord with ultimate carraiageway	4	No	\$ 13,000	\$ 52,000	
	JUP lighting single		No	\$ 4,000	\$ 0	
	JUP lighting dual		No	\$ 5,000	\$ 0	
	Trenching and backfilling for cabling including pole excavation Cabling and PVC conduits (63, 100 & 150 mm dia) for median lighting	1015 1590	Lm Lm	\$ 26 \$ 25	\$ 26,390 \$ 38,955	
	Service pit installation for Traffic Signals	1590	Item	\$ 25	\$ 38,955	
	Electrical connection	1	Item	\$ 15,000	\$ 15,000	
	Excavation of Telecom conduit trenches (Comms provider to supply cable)	475	lm	\$ 26	\$ 12,350	
	LANDSCAPING WORKS			A		\$ 197,944
.2	Landscape Treatment including trees, planting and lawn installation.	380 540	lm No	\$ 350.00	\$ 133,000 \$ 48,600	
.3	Vehicle exclusion Fencing Landscape maintenance (including watering of all trees to maintain healthy establishment)	9%	rate	\$ 90.00	\$ 48,600 \$ 16,344	
	SIGNAGE	1	item	\$ 10,000		\$ 10,000
	LINEMARKING & DIRECTIONAL TACTILES	1	item	\$ 40,000	\$ 40,000	\$ 40,000
	SERVICE RELOCATION					\$ 0
.1	NA ENVIRONMENTAL CONTROLS (To comply with FPA guidelines for Major Construction Sites & FPA Publication 960)	1	Item	\$ 15,000	¢ 15 000	\$ 15,000
	ENVIRONMENTAL CONTROLS (To comply with EPA guidelines for Major Construction Sites & EPA Publication 960) MISCELLANEOUS	1	item	\$ 15,000	\$ 15,000	\$ 15,000
1	Exisiting Road outside of new road pavements	NA				
#	Strip asphalt		m²	\$ 5	\$ -	
#	Recycle FCR to stockpile		m³	\$ 10	\$ -	
#	backfill with structural fill		m³	\$ 12	\$ -	
2	PSMs PROVISIONAL SUM - DAYWORK	1	item	\$ 550	\$ 550	\$
	TOTAL A + B + C + D		item		, -	\$ 2,977,905
E	Contingency					
	Contingency (15% of C)				15%	\$ 366,272
	PROJECT BUDGET					
•	Total Estimate					\$ 3,3



M A	DESCRIPTION Project and Program Management (%)	QUANTITY	UNIT	RATE	AMOUNT	\$ 132,224
	Project Management		3.00%		\$ 79,334	
	Project scoping, planning, scheduling, monitoring, reporting and commissioning Management of preconstruction activities, development of tender documents and management of contracts					
	Managing external interfaces, including community liaison, environmental issues, traffic issues etc					
	Records management					
	Program Administration		2.00%		\$ 52,890	
3	Design and Investigation (%) Traffic Investigations & Fucntional Design		0.85%		\$ 22,478	\$ 330,560
	Cadastral and Engineering Survey		1.20%		\$ 31,734	
	Geotechnical investigations Pavement Investigations and Design		1.20%		\$ 31,734	
	Environmental Investigations		1.000/		\$ 0	
	Landscape Design Electrical & Public Lighting Design		1.00%		\$ 26,445 \$ 39,667	
	Civil Preliminary and Final Design		4.25%		\$ 112,390	
	Construction Management & Superintendency		2.50%		\$ 66,112	
=	Authority Fees		2.250/			\$ 117,390
	Whittlesea City Council Checking & Supervision VicRoads Plan Checking		3.25% 1.00%		\$ 85,945 \$ 26,445	
	Ausnet Public lighting and electrical design checking (assumes 1 stage)	1	Item	\$ 5,000	\$ 5,000	
)	Construction					\$ 2,644,477
	PRELIMINARIES Site establishment (e.g. Site facilities, security fencing, storage sheds etc.)	1	Item	\$ 35,000	\$ 35,000	\$ 80,000
	Site management & supervision including QA	10	wks	\$ 2,500	\$ 25,000	
	Traffic Management	1	Item	\$ 20,000	\$ 20,000	
	DEMOLITION					\$ 2,790
	Trees Strip asphalt from existing pavement	1 0	No m²	\$ 1500 \$ 5	\$ 1,500 \$ 0	
	Strip aspnalt from existing pavement Removal of existing fencing	50	Lm	\$ 18	\$ 900	
_	Break out & remove "No Road" sign & concrete edge strip.	1	Item	\$ 390	\$ 390	
	EARTHWORKS (VERTICAL ALIGNMENT NOT AVAILABLE)					\$ 501,000
	Stripping topsoil (150mm) (included in excavation below)		m²	\$ 6	\$ 0	
	Excavation and removal Filling	11,000	m³ m³	\$ 30 \$ 15	\$ 330,000 \$ 0	
	Import Fill material	1,000	m³	\$ 45	\$ 45,000	
	Soft spot rectification/Unsuitable Subgrade (NDCR)	1,800	m³	\$ 70	\$ 126,000	
	PAVEMENT					\$ 850,455
	Deep lift asphalt 175 mm (Type H class 320 upper layer 40 mm deep and Type SI lower layer 135 mm deep) Sub Base 150 mm (Size 20 mm 3% CTCR)	6,395 8,768	m² m²	\$ 85 \$ 25	\$ 543,575 \$ 219,200	
	Lower Sub Base 150 mm (Class 4 Size 20 mm CR)	8,768	m²	\$ 10	\$ 219,200	
	Shoulder - full depth pavement	0	m²	\$ 145	\$0	
	Rock excavation & sub-surface remediation 150mm (included in 3.6 above)	0.00	m²	\$ 70	\$ 0	
	DRAINAGE					\$ 205,935
	Subsoil drains 100mm dia - screenings	928	Lm Lm	\$ 30 \$ 45	\$ 27,840 \$ 0	
	Subsoil drains 100mm dia - no fines conc 375 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	366	Lm	\$ 170	\$ 62,220	
	450 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	245	Lm	\$ 275	\$ 67,375	
	525 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	25	Lm	\$ 350	\$ 8,750	
	Grated side entry pits as per EDCM 603 @ 0-1.5 m deep	7	No	\$ 2,500	\$ 17,500	
	Junction pits (600 X 900) as per EDCM 605 @ 0-1.5 m deep Drainage Densisty Tests	9	No No	\$ 2,000 \$ 105	\$ 18,000 \$ 1,050	
	Adjust & connect to existing pits	2	No	\$ 1,600	\$ 3,200	
0	Allowance to modify drainage to ultimate location	0	item	\$ 50,000	\$ 0	
	CONCRETE WORKS			1.00		\$ 185,234
	Kerb &channel - SM1 300 Kerb &channel - SM2 600	860	Lm Lm	\$ 32 \$ 35	\$ 1,088 \$ 30,100	
	Kerb &channel - SM3 600	0	Lm	\$ 35	\$ 0	
	Edge Strip (200 mm)	34	Lm	\$ 34	\$ 1,156	
	Bike Paths (3.0m wide,125 mm, residential, as per EDC 401)	902	Lm	\$ 135	\$ 121,770	
	Footpaths (1.5m wide,125 mm, residential, as per EDC 401) Laybacks and tactile pavers	348	Lm m²	\$ 65 \$ 850	\$ 22,620 \$ 8,500	
	10m concrete maintenance area end of all islands	0		\$ 85	\$ 8,300	
	Additional Shared Paths	0	Lm	\$ 130	\$ 0	
	TRAFFIC SIGNAL WORKS	1	item	\$ 300,000	\$ 300,000	
	SIGNAL MAINTENANCE (10 YEARS) by Road Authority	1	item	\$ 100,000	\$ 100,000	-
	ELECTRICAL, PUBILC LIGHTING & TELECOMMUNICATIONS Light pole (1-way) and luminous lights		No	\$ 8,000	\$ 0	\$ 159,668
	Light pole (2-way) and luminous lights to accord with ultimate carraiageway	5	No	\$ 13,000	\$ 65,000	
	JUP lighting single		No	\$ 4,000	\$ 0	
	JUP lighting dual		No	\$ 5,000	\$ 0	
	Trenching and backfilling for cabling including pole excavation Cabling and PVC conduits (63, 100 & 150 mm dia) for median lighting	1025 1675	Lm Lm	\$ 26 \$ 25	\$ 26,650 \$ 41,038	
	Service pit installation for Traffic Signals	1073	Item	\$ 240	\$ 2,880	
	Electrical connection	1	Item	\$ 15,000	\$ 15,000	
	Excavation of Telecom conduit trenches (Comms provider to supply cable)	350	lm	\$ 26	\$ 9,100	
1	LANDSCAPING WORKS Landscape Treatment including trees planting and lawn installation	440	lac	\$ 250.00		\$ 185,845
2	Landscape Treatment including trees, planting and lawn installation. Vehicle exclusion Fencing	300	lm No	\$ 350.00 \$ 90.00	\$ 143,500 \$ 27,000	
3	Landscape maintenance (including watering of all trees to maintain healthy establishment)	9%	rate		\$ 15,345	
	SIGNAGE	1	item	\$ 18,000		\$ 18,000
	LINEMARKING & DIRECTIONAL TACTILES SERVICE RELOCATION	1	item	\$ 40,000	\$ 40,000	\$ 40,000 \$ 0
1	NA NA		Item			
	ENVIRONMENTAL CONTROLS (To comply with EPA guidelines for Major Construction Sites & EPA Publication 960)	1	item	\$ 15,000	\$ 15,000	
1	MISCELLANEOUS Evidence of powered pow	NA				\$ 550
1 #	Exisiting Road outside of new road pavements Strip asphalt	NA	m²	\$ 5	\$ -	
+ +	Recycle FCR to stockpile		m³	\$ 10	\$ -	
#	backfill with structural fill		m³	\$ 12	\$ -	
2	PSMs	1	item	\$ 550	\$ 550	
	PROVISIONAL SUM - DAYWORK		item			\$ 2 224 650
	TOTAL A + B + C + D Contingency					\$ 3,224,650
	Contingency (15% of C)				15%	\$ 396,671
	PROJECT BUDGET					
	Total Estimate					\$ 3,62



PLANS	IN-15 G18040-01-D (Traffix Group)	Area:	21,696 2.170	ha	VER	
EM A	DESCRIPTION Project and Program Management (%)	QUANTITY	UNIT	RATE	AMOUNT	SUBTOTA \$ 103,372
	Project Management		3.00%		\$ 62,023	J 103,372
	Project scoping, planning, scheduling, monitoring, reporting and commissioning					
	Management of preconstruction activities, development of tender documents and management of contracts					
	Managing external interfaces, including community liaison, environmental issues, traffic issues etc Records management					
	Program Administration		2.00%		\$ 41,349	
3	Design and Investigation (%)					\$ 258,430
	Traffic Investigations & Fucntional Design		0.85%		\$ 17,573	
	Cadastral and Engineering Survey Geotechnical investigations Pavement Investigations and Design		1.20%		\$ 24,809 \$ 24,809	
	Environmental Investigations		1.20%		\$ 24,809	
	Landscape Design		1.00%		\$ 20,674	
	Electrical & Public Lighting Design		1.50%		\$ 31,012	
	Civil Preliminary and Final Design		4.25%		\$ 87,866	
2	Construction Management & Superintendency Authority Fees		2.50%		\$ 51,686	\$ 92,866
_	Whittlesea City Council Checking & Supervision		3.25%		\$ 67,192	7 32,000
	VicRoads Plan Checking		1.00%		\$ 20,674	
	Ausnet Public lighting and electrical design checking (assumes 1 stage)	1	Item	\$ 5,000	\$ 5,000	
	Provident in					¢ 2 007 427
)	Construction PRELIMINARIES					\$ 2,067,437 \$ 80,000
	Site establishment (e.g. Site facilities, security fencing, storage sheds etc.)	1	Item	\$ 35,000	\$ 35,000	+ 00,000
	Site management & supervision including QA	10	wks	\$ 2,500	\$ 25,000	
3	Traffic Management	1	Item	\$ 20,000	\$ 20,000	
	DEMOLITION Trees	2	No	¢ 1500	6 2 000	\$ 4,290
:	Trees Strip asphalt from existing pavement	0	No m²	\$ 1500 \$ 5	\$ 3,000 \$ 0	
	Removal of existing fencing	50	Lm	\$ 18	\$ 900	
	Break out & remove "No Road" sign & concrete edge strip.	1	Item	\$ 390	\$ 390	
	EARTHWORKS (VERTICAL ALIGNMENT NOT AVAILABLE)					\$ 339,000
	Stripping topsoil (150mm) (included in excavation below)	7.050	m²	\$ 6	\$ 220 500	
	Excavation and removal Filling	7,350	m³ m³	\$ 30 \$ 15	\$ 220,500 \$ 0	
	Import Fill material	1,000	m³	\$ 45	\$ 45,000	
	Soft spot rectification/Unsuitable Subgrade (NDCR)	1,050	m³	\$ 70	\$ 73,500	
	PAVEMENT Description of the second of the s		2	A		\$ 534,280
!	Deep lift asphalt 175 mm (Type H class 320 upper layer 40 mm deep and Type SI lower layer 135 mm deep) Sub Base 150 mm (Size 20 mm 3% CTCR)	4,105 5,295	m² m²	\$ 85 \$ 25	\$ 348,925 \$ 132,375	
: }	Lower Sub Base 150 mm (Size 20 mm 3% CTCR)	5,295	m² m²	\$ 25	\$ 132,375	
;	Shoulder - full depth pavement	0	m²	\$ 145	\$ 0	
i	Rock excavation & sub-surface remediation 150mm (included in 3.6 above)	0.00	m²	\$ 70	\$ 0	
	DRAINAGE				1	\$ 101,630
!	Subsoil drains 100mm dia - screenings Subsoil drains 100mm dia - no fines conc	576	Lm Lm	\$ 30 \$ 45	\$ 17,280 \$ 0	
: }	375 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	140	Lm	\$ 170	\$ 23,800	
	450 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	22	Lm	\$ 275	\$ 6,050	
,	525 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	25	Lm	\$ 350	\$ 8,750	
5	Grated side entry pits as per EDCM 603 @ 0-1.5 m deep	15	No	\$ 2,500	\$ 37,500	
<u>'</u> 3	Junction pits (600 X 900) as per EDCM 605 @ 0-1.5 m deep Drainage Densisty Tests	10	No No	\$ 2,000 \$ 105	\$ 4,000 \$ 1,050	
)	Adjust & connect to existing pits	2	No	\$ 1,600	\$ 1,050	
10	Allowance to modify drainage to ultimate location	0	item	\$ 50,000	\$ 0	
	CONCRETE WORKS					\$ 173,770
	Kerb &channel - SM1 300	105	Lm	\$ 32	\$ 3,360	
	Kerb &channel - SM2 600 Kerb &channel - SM3 600	935	Lm Lm	\$ 35 \$ 35	\$ 32,725 \$ 21,105	
	Edge Strip (200 mm)	003		\$ 34	\$ 21,103	
	Bike Paths (3.0m wide,125 mm, residential, as per EDC 401)	696	Lm	\$ 135	\$ 93,960	
	Footpaths (1.5m wide,125 mm, residential, as per EDC 401)	348	Lm	\$ 65	\$ 22,620	
<u>'</u>	Laybacks and tactile pavers	0		\$ 850	\$ 0	
	10m concrete maintenance area end of all islands Additional Shared Paths	0	m² Lm	\$ 85 \$ 130	\$ 0 \$ 0	
	TRAFFIC SIGNAL WORKS	1	item	\$ 300,000	\$ 300,000	
	SIGNAL MAINTENANCE (10 YEARS) by Road Authority	1	item	\$ 100,000	\$ 100,000	
	ELECTRICAL, PUBILC LIGHTING & TELECOMMUNICATIONS					\$ 133,380
	Light pole (1-way) and luminous lights Light pole (2-way) and luminous lights to accord with ultimate carraignway.	-	No	\$ 8,000	\$ 0	
	Light pole (2-way) and luminous lights to accord with ultimate carraiageway JUP lighting single	5	No No	\$ 13,000 \$ 4,000	\$ 65,000 \$ 0	
	JUP lighting dual		No	\$ 5,000	\$0	
	Trenching and backfilling for cabling including pole excavation	822	Lm	\$ 26	\$ 21,372	
	Cabling and PVC conduits (63, 100 & 150 mm dia) for median lighting	735	Lm	\$ 25	\$ 18,008	
	Service pit installation for Traffic Signals	15	Item	\$ 240	\$ 3,600 \$ 15,000	
	Electrical connection Excavation of Telecom conduit trenches (Comms provider to supply cable)	400	Item Im	\$ 15,000 \$ 26	\$ 15,000 \$ 10,400	
	LANDSCAPING WORKS	.30	•		. ==,	\$ 227,538
1	Landscape Treatment including trees, planting and lawn installation.	425	lm	\$ 380.00	\$ 161,500	
2	Vehicle exclusion Fencing	525	No	\$ 90.00	\$ 47,250	
.3	Landscape maintenance (including watering of all trees to maintain healthy establishment) SIGNAGE	9%	rate	\$ 18,000	\$ 18,788 \$ 18,000	\$ 18,000
	LINEMARKING & DIRECTIONAL TACTILES	1	item	\$ 40,000		\$ 40,000
	SERVICE RELOCATION					\$ 0
1	NA		Item			
	ENVIRONMENTAL CONTROLS (To comply with EPA guidelines for Major Construction Sites & EPA Publication 960)	1	item	\$ 15,000	\$ 15,000	
1	MISCELLANEOUS Exisiting Road outside of new road pavements	NA				\$ 550
#	Strip asphalt		m²	\$ 5	\$ -	
#	Recycle FCR to stockpile		m³	\$ 10	\$ -	
#	backfill with structural fill		m³	\$ 12	\$ -	
2	PSMs PROVISIONAL SUM - DAYWORK	1	item	\$ 550	\$ 550	\$
	TOTAL A + B + C + D		itein		, -	\$ 2,522,105
	Contingency					,_,_
	Contingency (15% of C)				15%	\$ 310,116
	PROJECT BUDGET					
	Total Estimate					\$ 2,8



CP REF PLANS	G18040-01-D (Traffix Group)	Area:	3,393 0.339	ha	DPM REF: VER	
MEM A	DESCRIPTION Project and Program Management (%)	QUANTITY	UNIT	RATE	AMOUNT	\$UBTOTA \$ 45,502
	Project Management		3.00%		\$ 27,301	
	Project scoping, planning, scheduling, monitoring, reporting and commissioning					
	Management of preconstruction activities, development of tender documents and management of contracts Managing external interfaces, including community liaison, environmental issues, traffic issues etc					
	Records management					
	Program Administration		2.00%		\$ 18,201	£ 442 7F4
В	Design and Investigation (%) Traffic Investigations & Fucntional Design		0.85%		\$ 7,735	\$ 113,754
	Cadastral and Engineering Survey		1.20%		\$ 10,920	
	Geotechnical investigations Pavement Investigations and Design		1.20%		\$ 10,920	
	Environmental Investigations Landscape Design		1.00%		\$ 0 \$ 9,100	
	Electrical & Public Lighting Design		1.50%		\$ 13,651	
	Civil Preliminary and Final Design		4.25%		\$ 38,676	
С	Construction Management & Superintendency Authority Fees		2.50%		\$ 22,751	\$ 43,676
	Whittlesea City Council Checking & Supervision		3.25%		\$ 29,576	
	VicRoads Plan Checking		1.00%		\$ 9,100	
	Ausnet Public lighting and electrical design checking (assumes 1 stage)	1	Item	\$ 5,000	\$ 5,000	
D	Construction					\$ 910,035
	PRELIMINARIES					\$ 110,000
.1	Site establishment (e.g. Site facilities, security fencing, storage sheds etc.)	1	Item	\$ 35,000	\$ 35,000	
.2	Site management & supervision including QA Traffic Management	10	wks	\$ 2,500 \$ 50,000	\$ 25,000 \$ 50,000	
.3	DEMOLITION	1	item	\$ 30,000	\$ 50,000	\$ 7,090
.1	Trees	3	No	\$ 1500	\$ 4,500	
.2	Strip asphalt from existing pavement	80	m²	\$5	\$ 400	
4	Removal of existing fencing Break out & remove "No Road" sign & concrete edge strip.	100	Lm Item	\$ 18 \$ 390	\$ 1,800 \$ 390	
4	EARTHWORKS (VERTICAL ALIGNMENT NOT AVAILABLE)	1	.cem	Ç 330	\$ 330	\$ 100,000
1	Stripping topsoil (150mm) (included in excavation below)		m²	\$ 6	\$ 0	
2	Excavation and removal	2,000	m³	\$ 30	\$ 60,000	
3 5	Filling Import Fill material	500	m³ m³	\$ 15 \$ 45	\$ 0 \$ 22,500	
6	Soft spot rectification/Unsuitable Subgrade (NDCR)	250	m³	\$ 70	\$ 17,500	
	PAVEMENT					\$ 286,625
2	Deep lift asphalt 175 mm (Type H class 320 upper layer 40 mm deep and Type SI lower layer 135 mm deep) Sub Base 150 mm (Size 20 mm 3% CTCR)	2,075 3,150	m² m²	\$ 85 \$ 25	\$ 176,375 \$ 78,750	
3	Lower Sub Base 150 mm (Class 4 Size 20 mm CR)	3,150	m²	\$ 10	\$ 31,500	
5	Shoulder - full depth pavement	0	m²	\$ 145	\$0	
6	Rock excavation & sub-surface remediation 150mm (included in 3.6 above)	0.00	m²	\$ 70	\$ 0	
1	DRAINAGE Subsoil drains 100mm dia - screenings	170	Lm	\$ 30	\$ 14,190	\$ 68,765
2	Subsoil drains 100mm dia - screenings Subsoil drains 100mm dia - no fines conc	473	Lm	\$ 45	\$ 14,190	
3	375 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	205	Lm	\$ 170	\$ 34,850	
4	450 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	0	Lm	\$ 275	\$0	
.5 .6	525 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep Grated side entry pits as per EDCM 603 @ 0-1.5 m deep	0 4	Lm No	\$ 350 \$ 2,500	\$ 0 \$ 10,000	
7	Junction pits (600 X 900) as per EDCM 605 @ 0-1.5 m deep	3	No	\$ 2,000	\$ 6,000	
8	Drainage Densisty Tests	5	No	\$ 105	\$ 525	
.9	Adjust & connect to existing pits	2	No	\$ 1,600	\$ 3,200	
.10	Allowance to modify drainage to ultimate location CONCRETE WORKS	0	item	\$ 50,000	\$0	\$ 46,401
.1	Kerb &channel - SM1 300	118	Lm	\$ 32	\$ 3,776	-
.2	Kerb &channel - SM2 600	348	Lm	\$ 35	\$ 12,180	
.3	Kerb &channel - SM3 600	7	Lm	\$ 35	\$ 245	
.5	Edge Strip (200 mm) Bike Paths (3.0m wide,125 mm, residential, as per EDC 401)	151	Lm Lm	\$ 34 \$ 135	\$ 0 \$ 20,385	
6	Footpaths (1.5m wide,125 mm, residential, as per EDC 401) Southern footpath to be constructed in ultimate	151	Lm	\$ 65	\$ 9,815	
7	Laybacks and tactile pavers	0	m²	\$ 850	\$0	
8	10m concrete maintenance area end of all islands	0	m²	\$ 85	\$0	
.9	Additional Shared Paths TRAFFIC SIGNAL WORKS	0	Lm item	\$ 130 \$ 300,000	\$ 0 \$ 0	\$ 0
	SIGNAL MAINTENANCE (10 YEARS) by Road Authority	0	item	\$ 100,000		\$ 0
	ELECTRICAL, PUBILC LIGHTING & TELECOMMUNICATIONS					\$ 79,325
1	Light pole (1-way) and luminous lights Light pole (2-way) and luminous lights to accord with ultimate carraigneway.	5	No No	\$ 8,000	\$ 40,000	
3	Light pole (2-way) and luminous lights to accord with ultimate carraiageway JUP lighting single		No No	\$ 13,000 \$ 4,000	\$ 0 \$ 0	
4	JUP lighting dual		No	\$ 5,000	\$0	
5	Trenching and backfilling for cabling including pole excavation	350	Lm	\$ 26	\$ 9,100	
6	Cabling and PVC conduits (63, 100 & 150 mm dia) for median lighting	250	Lm	\$ 25	\$ 6,125	
7 8	Service pit installation for Traffic Signals Electrical connection for lighting	0	Item Item	\$ 240 \$ 15,000	\$ 0 \$ 15,000	
9	Excavation of Telecom conduit trenches (Comms provider to supply cable)	350	Im	\$ 26	\$ 9,100	
)	LANDSCAPING WORKS					\$ 156,279
0.1	Landscape Treatment including trees, planting and lawn installation. Vehicle exclusion Fencing	331 361	lm No	\$ 335.00 \$ 90.00	\$ 110,885	
).3	Landscape maintenance (including watering of all trees to maintain healthy establishment)	9%	rate	00.00	\$ 32,490 \$ 12,904	
1	SIGNAGE	1	item	\$ 10,000		\$ 10,000
2	LINEMARKING & DIRECTIONAL TACTILES	1	item	\$ 30,000	\$ 30,000	\$ 30,000
3.1	SERVICE RELOCATION NA		Item			\$ 0
4	ENVIRONMENTAL CONTROLS (To comply with EPA guidelines for Major Construction Sites & EPA Publication 960)	1	item	\$ 15,000	\$ 15,000	\$ 15,000
;	MISCELLANEOUS					\$ 550
5.1	Exisiting Road outside of new road pavements	NA	. 2	A -		
#	Strip asphalt Recycle FCR to stockpile		m² m³	\$ 5 \$ 10	\$ - \$ -	
#	backfill with structural fill		m³	\$ 10	\$ -	
5.2	PSMs	1	item	\$ 550	\$ 550	
5	PROVISIONAL SUM - DAYWORK		item		\$ -	\$ 1.112.53
E	TOTAL A + B + C + D Contingency					\$ 1,112,967
-	Contingency (15% of C)				15%	\$ 136,505
F	PROJECT BUDGET Total Estimate					\$ 1,2



WORKS Signalised Pedistrian of Donnybrook Road proximate to APA gas easement

ICP REF PED-03

PLANS Unavailiable

DATE: 17.05.18 DPM REF: 1941/M/A(iv) VER 1.0

ITEM	DESCRIPTION Description	QUANTITY	UNIT	RATE	AMOUNT	
_	Project and Program Management (%)					\$ 2,488
_	Project Management		1.00%		\$ 1,659	
	Project scoping, planning, scheduling, monitoring, reporting and commissioning					
_	Management of preconstruction activities, development of tender documents and management of contracts					
	Managing external interfaces, including community liaison, environmental issues, traffic issues etc					
ı	Records management					
	Program Administration		0.50%		\$ 829	
В	Design and Investigation (%)					\$ 10,118
	Traffic Investigations & Fucntional Design		1.00%		\$ 1,659	
	Cadastral and Engineering Survey		0.50%		\$ 829	
	Geotechnical investigations Pavement Investigations and Design		0.00%		\$0	
_	Environmental Investigations		0.0070		\$0	
	Landscape Design		0.00%	-	\$0	
	Electrical & Public Lighting Design		0.85%		\$ 1,410	
_	Civil Preliminary and Final Design		2.25%		\$ 3,732	
	Construction Management & Superintendency		1.50%		\$ 2,488	
C /	Authority Fees					\$ 7,050
	Whittlesea City Council Checking & Supervision		3.25%		\$ 5,391	
Ţ,	VicRoads Plan Checking		1.00%		\$ 1,659	
D (Construction					\$ 165,875
	PRELIMINARIES					\$ 15,000
_	Site establishment (e.g. Site facilities, security fencing, storage sheds etc.)	1	Item	\$ 5,000	\$ 5,000	
	<u> </u>	_				
	Site management & supervision including QA	0		\$ 0	\$ 0	
	Traffic Management	1	Item	\$ 10,000	\$ 10,000	1.05
2 1	DEMOLITION					\$ 270
2.1	Trees	0	No	\$ 1500	\$ 0	
2.2	Strip asphalt from existing pavement	0	m²	\$ 5	\$ 0	
2.3	Removal of existing fencing	15	Lm	\$ 18	\$ 270	
2.4	Break out & remove "No Road" sign & concrete edge strip.	0	Item	\$ 390	\$0	
3 (CIVIL WORKS (EARTHWORKS, CONCRETE AND DRAINAGE)					\$ 3,705
	Excavation and removal (nominal amount)	100	m³	\$ 30	\$ 3,000	+ 0/1 00
	Subsoil drains 100mm dia - screenings			\$ 30	\$ 600	
		20				
	Drainage Densisty Tests	1	No	\$ 105	\$ 105	
	Concrete Footpath	30	sq m	\$ 48	\$ 1,440	
3.5	Construct Kerb Ramp & Install TGSI	4	each	\$ 1,500	\$ 6,000	
3.6	Supply and Install stick down TGSI	5	m²	\$ 350	\$ 1,750	
3.7	Pedestrian Lines 150mm wide	20	m	\$ 15	\$ 300	
3.8	Stop Bars 600mm wide	14	m	\$ 65	\$ 910	
3.9	Removal of linemarking - with grit blasting	4	m²	\$ 60	\$ 240	
	Pavement Overlay	150	m²	\$ 30	\$ 4,500	
	SIGNAL MAINTENANCE (10 YEARS) by Road Authority (incl. Prom & controller)	130	item	\$ 25,000		\$ 25,000
	<u> </u>		item	3 23,000	\$ 23,000	
	PUBLIC LIGHTING, SIGNAGE AND SIGNAL HARDWARE			40.500	4 2 4 2 2 2	\$ 116,900
	New Signal Pedestal - 2B	6		\$ 3,500	\$ 21,000	
5.2	New Signal Pedestal Mastarm or JUP	2	each	\$ 5,000	\$ 10,000	
5.3	New Pedestal Foundation - 0.7m base	6	each	\$ 1,500	\$ 9,000	
5.4	New Pedestal Foundation - 3.0m base	2	each	\$ 4,000	\$ 8,000	
5.5	Lanterns - 3 aspect (LED)	8	each	\$ 1,100	\$ 8,800	
5.6	Lanterns - Pedestrian (LED)	4	each	\$ 800	\$ 3,200	
	Audio Tactiles - Variable	4	each	\$ 1,500	\$ 6,000	
	Conduit Pit (standard)	5	each	\$ 1,600	\$ 8,000	
	Conduit Pit (standard) Conduit - Open trench through footpath/paved area, supply & Install 2/100mm Underground Conduit, Backfill &	10		\$ 400	\$ 4,000	
			m			
	Conduit - Open trench through grassed/unpaved area, supply & Install 2/100mm Underground Conduit, Backfill &	10	m	\$ 350	\$ 3,500	
	Conduit - Bore under road, supply & Install 2/100mm Underground Conduit, Backfill & Reinstate	14	m	\$ 450	\$ 6,300	
	Conduit - Open trench through footpath/paved area, supply & Install 1/50mm Underground Conduit, Backfill & Reinstate	20	m	\$ 250	\$ 5,000	
5.13	13 Core Cable	150	m	\$ 30	\$ 4,500	
5.14	Pillar Mounted Point of Supply	1	each	\$ 3,000	\$ 3,000	
5.15	Concrete stand for new traffic controller	1	each	\$ 2,800	\$ 2,800	
5.16	Brackets - Single	2	each	\$ 900	\$ 1,800	
	Lamps (globes) - 150W	2	each	\$ 700	\$ 1,400	
	Cable (supply and install)	40	m	\$ 30	\$ 1,200	
	Conduit - Open trench through grassed/unpaved area, supply & Install 1/50mm Underground Conduit, Backfill &	20		\$ 200	\$ 1,200	
_				<u> </u>		
	Electrical Pit (standard)	3	each	\$ 1,800	\$ 5,400	
_	ENVIRONMENTAL CONTROLS (To comply with EPA guidelines for Major Construction Sites & EPA Publication 960)	1	item	\$ 5,000	\$ 5,000	
7	PROVISIONAL SUM - DAYWORK		item		\$ -	\$
	TOTAL A +B+C+D					\$ 185,531
E	Contingency					
	Contingency (10% of C)				10%	\$ 16,588
	PROJECT BUDGET					
						\$ 2
Į-	Total Estimate			1		C.,

NOTES:

The above costs have been derived from the Wyndham North DCP.



P REF	Hayes Hill Boulevard GGF Friendly Bebo Arch crossing BR-03A DPM 1941/M/GH1 18.12.15	Length: Area:		lm sq.m ha		18.06.18 1941/M/A 1.0
EM	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT	
	Project and Program Management (%) Project Management		3.00%		\$ 54,805	\$ 91,341
_	Project scoping, planning, scheduling, monitoring, reporting and commissioning Management of preconstruction activities, development of tender documents and management of contracts					
	Managing external interfaces, including community liaison, environmental issues, traffic issues etc.					
	Records management Program Administration		2.00%		\$ 36,536	
В	Design and Investigation (%) Traffic Investigations & Functional Design		0.85%		Ć 1E E20	\$ 242,054
	Cadastral and Engineering Survey		1.20%		\$ 15,528 \$ 21,922	
_	Geotechnical investigations and footing design Structural Design		1.20% 0.75%		\$ 21,922 \$ 13,701	
_	Environmental Investigations		1.00%		\$ 18,268	
_	Landscape Design Electrical & Public Lighting Design		1.00% 0.50%		\$ 18,268 \$ 9,134	
	Civil Preliminary and Final Design		4.25%		\$ 77,640	
_	Construction Management & Superintendency Authority Fees		2.50%		\$ 45,671	\$ 64,372
	Whittlesea City Council Checking & Supervision		3.25%		\$ 59,372	
	VicRoads Plan Checking Ausnet Public lighting and electrical design checking	1	NA Item	\$ 5,000	\$ 0 \$ 5,000	
				7 5,555	7 3,555	
	Construction PRELIMINARIES					\$ 1,826,820 \$ 110,000
1	Site establishment (e.g. Site facilities, security fencing, storage sheds etc.)	1	Item	\$ 30,000	\$ 30,000	
2	Site management & supervision including QA Creek Diversion Works including set up of bypass lines, pump systems and bund walls	15	wks	\$ 1,000 \$ 50,000	\$ 15,000 \$ 50,000	
4	Traffic Managemnet (assumes no development on one side of the creek)	1	Item	\$ 15,000	\$ 50,000 \$ 15,000	
1	DEMOLITION Traps	0	No	\$ 1500	6.0	\$ 390
2	Trees Strip asphalt from existing pavement	0	No m²	\$ 1500 \$ 5	\$ 0 \$ 0	
3	Removal of existing fencing	0	Lm	\$ 18	\$ 0	
_	Break out & remove "No Road" sign & concrete edge strip. EARTHWORKS (VERTICAL ALIGNMENT NOT AVAILABLE)	1	Item	\$ 390	\$ 390	\$ 238,500
1	Stripping topsoil (150mm) (included in excavation below)	0	m²	\$ 6	\$ 0	
2 3	Excavation and removal for GGF pools and submerged bebo arch footings Filling	2,200 2,500	m³ m³	\$ 30 \$ 15	\$ 66,000 \$ 37,500	
5	Import and compact Engineered backfill material up to road boxing	3,000	m³	\$ 45	\$ 135,000	
6	Soft spot rectification/Unsuitable Subgrade (NDCR) PAVEMENT	0	m³	\$ 70	\$ 0	\$ 154,100
1	Deep lift asphalt 175 mm (Type H class 320 upper layer 40 mm deep and Type SI lower layer 135 mm deep)	1,150	m²	\$ 85	\$ 97,750	
	Sub Base 150 mm (Size 20 mm 3% CTCR) Lower Sub Base 150 mm (Class 4 Size 20 mm CR)	1,610 1,610	m² m²	\$ 25 \$ 10	\$ 40,250 \$ 16,100	
5	Shoulder - full depth pavement	0	m²	\$ 145	\$ 0	
5	Rock excavation & sub-surface remediation 150mm (included in 3.6 above) DRAINAGE	0	m²	\$ 70	\$ 0	\$ 28,710
	Subsoil drains 100mm dia - screenings into bebo	210	Lm	\$ 30	\$ 6,300	
	Subsoil drains 100mm dia - no fines conc 375 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	10	Lm Lm	\$ 45 \$ 170	\$ 0 \$ 1,700	
4	450 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	0	Lm	\$ 275	\$ 0	
5	525 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep Grated side entry pits as per EDCM 603 @ 0-1.5 m deep	5	Lm No	\$ 350 \$ 2,500	\$ 0 \$ 12,500	
7	Junction pits (600 X 900) as per EDCM 605 @ 0-1.5 m deep	4	No	\$ 2,000	\$ 8,000	
B B	Drainage Density Tests Allowance to modify drainage to ultimate location	2	No item	\$ 105 \$ 50,000	\$ 210 \$ 0	
	CONCRETE WORKS		item	\$ 30,000	30	\$ 33,840
1 2	Kerb &channel - SM1 300 Kerb &channel - SM2 600	200	Lm Lm	\$ 32 \$ 35	\$ 0 \$ 7,000	
3	Kerb &channel - SM3 600	0	Lm	\$ 35	\$ 0	
5	Edge Strip (200 mm) Bike Paths (3.0m wide,125 mm, residential, as per EDC 401) - Bike Path is on-road	100	Lm Lm	\$ 34 \$ 135	\$ 340 \$ 13,500	
6	Footpaths (1.5m wide,125 mm, residential, as per EDC 401)	200	Lm	\$ 65	\$ 13,000	
7 B	Laybacks and tactile pavers 10m concrete maintenance area end of all islands	0	m² m²	\$ 850 \$ 85	\$ 0 \$ 0	
9	Additional Shared Paths	0	Lm	\$ 130	\$ 0	
_	SUPPLY AND INSTALL BEBO ARCHES Supply Humes Bebo Arch 6210s (11 X 2.5 m wide units); 1 unit = 11.9 t	133	t	\$ 1000	\$ - \$ 133,000	\$ 1,027,900
	Supply Humes Bebo Arch 6210s (11 X 2.5 m wide units) 1 unit = 11.9 t	133	t	\$ 1000	\$ 133,000	
3	Supply Humes Bebo Arch 12300s (16 X 1.8 m wide units) 1 unit = 16.8 t	268	t 60%	\$ 1000	\$ 268,000 \$ 320,400	
5	Installation margin of items 7.1-7.3 In-situe strip footings	100	60% cub.m	\$ 400	\$ 320,400 \$ 40,000	
	Supply & Install Pre-cast plain concrete spandrel wall for 6210s (4 Units) 1 unit = 8.2 t	33	t	\$ 1250 \$ 1250	\$ 41,000 \$ 43,000	
7 B	Supply & Install Pre-cast plain concrete spandrel wall for 12300s (2 Units) 1 unit = 17.2 t Rock beaching at ends of crossing	34 450	t cub.m	\$ 1250 \$ 110	\$ 43,000 \$ 49,500	
	ELECTRICAL, PUBILC LIGHTING & TELECOMMUNICATIONS		A1-	60.000	A -	\$ 47,830
2	Light pole (1-way) and luminous lights Light pole (2-way) and luminous lights to accord with ultimate carriage way median	0 2	No No	\$ 8,000	\$ 0 \$ 26,000	
3	JUP lighting single	0	No	\$ 4,000	\$ 0	
5	JUP lighting dual Trenching and backfilling for cabling including pole excavation	50	No Lm	\$ 5,000 \$ 26	\$ 0 \$ 1,300	
5	Cabling and PVC conduits (63, 100 & 150 mm dia) for lighting	100	Lm	\$ 25	\$ 2,450	
7 B	Service pit installation Electrical connection	2	Item Item	\$ 240 \$ 15,000	\$ 480 \$ 15,000	
9	Excavation of Telecom conduit trenches (Comms provider to supply cable)	100	lm	\$ 26	\$ 2,600	
1	LANDSCAPING WORKS Landscape Treatment including trees, planting and lawn installation.	100	Im	\$ 450.00	\$ 45,000	\$ 45,000
2	Vehicle exclusion Fencing	0	No	\$ 90.00	\$ 0	
3	Landscape maintenance (including watering of all trees to maintain healthy establishment) SIGNAGE	9%	rate item	\$ 1,000	\$ 4,050 \$ 1.000	\$ 1,000
	LINEMARKING	1	item	\$ 5,000		\$ 5,000
_	SERVICE RELOCATION NA		Item			\$ 0
1	NA ENVIRONMENTAL CONTROLS (To comply with EPA guidelines for Major Construction Sites & EPA Publication 960)	1	item	\$ 60,000	\$ 60,000	\$ 60,000
.1	MISCELLANEOUS Existing Road outside of new road pavements	NA				\$ 74,550
_	Existing Road outside or new road pavements Strip asphalt		m²	\$ 5	\$ -	
	Recycle FCR to stockpile		m³	\$ 10	\$ -	
14.1.	backfill with structural fill PSMs	1	m³ Item	\$ 12 \$ 550	\$ - \$ 550	
.3	Installation and supply of crash fencing	200	lm	\$ 200	\$ 40,000	
.4	Crash Fencing Transition and anchor points PROVISIONAL SUM - DAYWORK	4	Item Item	\$ 8500	\$ 34,000	\$
	TOTAL A +B+C+D					\$ 2,224,586
E	Contingency Contingency (15% of C)				15%	\$ 274,023
F	PROJECT BUDGET				13%	
	Total Estimate Total Estimate per linear metre (\$/lm)					\$ 2,4 9
	Total Estimate per linear metre (\$/lm)	1		I		Ş
		-		•		



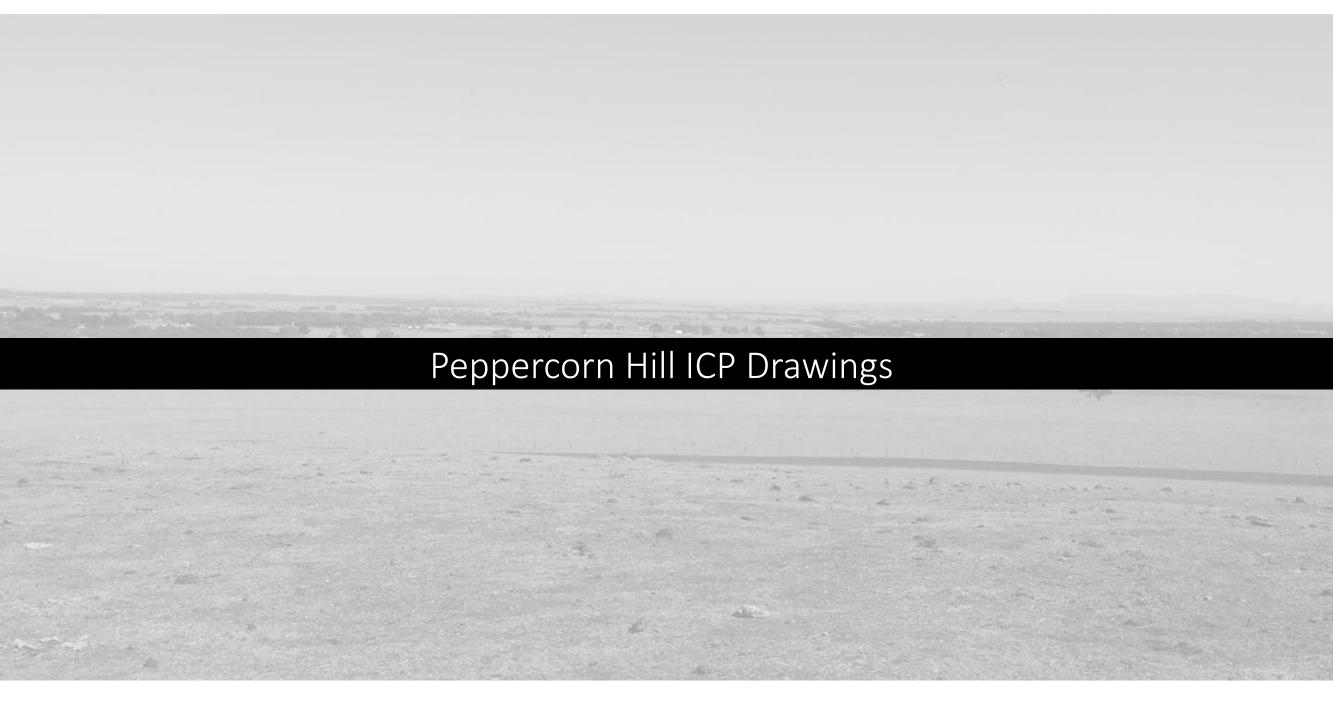
ICP REF	Hayes Hill Boulevard GGF Friendly Culvert Crossing (100m Width Creek Reserve) BR-03C DPM 1941/M/GH1 18.12.15	Length: Area:		lm sq.m ha		: 12.09.2018 : 1941/M/A(iv	
ITEM A	DESCRIPTION Project and Program Management (%)	QUANTITY	UNIT	RATE	AMOUNT	\$UBTOTAL \$ 89,420	
	Project Management Project scoping, planning, scheduling, monitoring, reporting and commissioning		3.00%		\$ 53,652		
	Management of preconstruction activities, development of tender documents and management of contracts Managing external interfaces, including community liaison, environmental issues, traffic issues etc.						
	Records management Program Administration		2.00%		\$ 35,768		
	Design and Investigation (%)					\$ 236,962	
	Traffic Investigations & Functional Design Cadastral and Engineering Survey		0.85% 1.20%		\$ 15,201 \$ 21,461		
	Geotechnical investigations and footing design Structural Design		1.20% 0.75%		\$ 21,461 \$ 13,413		
	Environmental Investigations Landscape Design		1.00%		\$ 17,884 \$ 17,884		
	Electrical & Public Lighting Design Civil Preliminary and Final Design		0.50% 4.25%		\$ 8,942 \$ 76,007		
С	Construction Management & Superintendency Authority Fees		2.50%		\$ 44,710	\$ 63,123	
	Whittlesea City Council Checking & Supervision		3.25%		\$ 58,123		
	VicRoads Plan Checking Ausnet Public lighting and electrical design checking	1	NA Item	\$ 5,000	\$ 0 \$ 5,000		
D	Construction					\$ 1,788,394	
1.1	PRELIMINARIES Site establishment (e.g. Site facilities, security fencing, storage sheds etc.)	1	Item	\$ 30,000	\$ 30,000	\$ 110,000	
1.2	Site management & supervision including QA Creek Diversion Works including set up of bypass lines, pump systems and bund walls	15		\$ 1,000 \$ 50,000	\$ 15,000 \$ 50,000		
1.4	Traffic Managemnet (assumes no development on one side of the creek)	1		\$ 15,000	\$ 15,000		
2.1	DEMOLITION Trees	0		\$ 1500	\$ 0		
2.2	Strip asphalt from existing pavement Removal of existing fencing	0		\$ 5 \$ 18	\$ 0 \$ 0		
2.4	Break out & remove "No Road" sign & concrete edge strip. EARTHWORKS (VERTICAL ALIGNMENT NOT AVAILABLE)	1	Item	\$ 390	\$ 390	\$ 241,250	
3.1	Excavation Excavation	0 1,500	m² m³	\$ 6 \$ 30	\$ 0 \$ 45,000		
3.3	Filling	3,000	m³	\$ 15	\$ 45,000		
3.4	Import and compact Engineered backfill material up to road boxing Soft spot rectification/Unsuitable Subgrade (NDCR)	2,750	m³ m³	\$ 55 \$ 70	\$ 151,250 \$ 0		
4.1	PAVEMENT Deep lift asphalt 175 mm (Type H class 320 upper layer 40 mm deep and Type SI lower layer 135 mm deep)	970	m²	\$ 85	\$ 82,450	\$ 130,200	
4.2	Sub Base 150 mm (Size 20 mm 3% CTCR) Lower Sub Base 150 mm (Class 4 Size 20 mm CR)	1,330 1,450	m² m²	\$ 25 \$ 10	\$ 33,250 \$ 14,500		
4.5	Shoulder - full depth pavement	0	m²	\$ 145	\$0		
4.6 5	Rock excavation & sub-surface remediation 150mm (included in 3.6 above) DRAINAGE	0	m²	\$ 70	\$0	\$ 30,759	
5.1 5.2	Subsoil drains 100mm dia - screenings Subsoil drains 100mm dia - no fines conc	210	Lm Lm	\$ 30 \$ 45	\$ 6,300 \$ 0		
5.3 5.4	300 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep 375 RCP (Class 2 Pipe Class 3 CR) @ 0-1.5 m deep	30 40		\$ 186 \$ 203	\$ 5,576 \$ 8,100		
5.5	450 RCP (Class 2 Pipe Class 3 CR) @ 1.5-2.5 m deep	0	Lm	\$ 355	\$0		
5.6	525 RCP (Class 2 Pipe Class 3 CR) @ 1.5-2.5 m deep Grated side entry pits as per EDCM 603 @ 0-1.5 m deep	0 4		\$ 350 \$ 2,643	\$ 0 \$ 10,574		
5.8	Junction pits (600 X 900) as per EDCM 605 @ 0-1.5 m deep Drainage Density Tests	0 2		\$ 2,000 \$ 105	\$ 0 \$ 210		
6.1	CONCRETE WORKS Kerb &channel - SM1 300	0	Lm	\$ 32	\$0	\$ 33,840	
6.2	Kerb &channel - SM2 600	200	Lm	\$ 35	\$ 7,000		
6.3	Kerb &channel - SM3 600 Edge Strip (200 mm)	10	Lm	\$ 35	\$ 340		
6.6	Bike Paths (3.0m wide,125 mm, residential, as per EDC 401) - Bike Path is on-road Footpaths (1.5m wide,125 mm, residential, as per EDC 401)	200	Lm Lm	\$ 135 \$ 65	\$ 13,500 \$ 13,000		
6.7	Laybacks and tactile pavers 10m concrete maintenance area end of all islands	0		\$ 850 \$ 85	\$ 0 \$ 0		
6.9 7	Additional Shared Paths SUPPLY AND INSTALL BOX CULVERTS	0	Lm	\$ 130	\$ 0 \$ -	\$ 847,844	
7.1	Supply & Install Rocla Culverts (3 No. Rows - 28m X 2700mm wide X 900 high Crown Units);	84		\$ 1801	\$ 151,259		
7.2	Reinforced Concrete Wingwall & Upstand Headwall incl Footings (Assume 250mm thick as per Structural Drawings) Reinforced Concrete Culvert Base Slab & Apron (Assume 300mm thick as per Structural Drawings)	571	m² m²	\$ 800 \$ 300	\$ 93,600 \$ 171,300		
7.4	Rock beaching at ends of crossing Supply & Install Rocla Culverts (2 No. X 1 No. Row - 34m X 1500mm wide X 600 high Crown Units) - Terrestrial Culverts	225 68	m² Lm	\$ 142 \$ 1139	\$ 31,950 \$ 77,435		
7.6 7.7	Reinforced Concrete Wingwall & Upstand Headwall incl Footings (Assume 250mm thick as per Structural Drawings) Reinforced Concrete Culvert Base Slab & Apron (Assume 300mm thick as per Structural Drawings)	129 550	m² m²	\$ 800 \$ 300	\$ 103,200 \$ 165,000		
7.8 7.9	Rock beaching at ends of crossing	150 164	m²	\$ 142	\$ 21,300 \$ 32,800		
8	Supply & Installd Fencing ELECTRICAL, PUBILC LIGHTING & TELECOMMUNICATIONS					\$ 42,561	
8.1	Light pole (1-way) and luminous lights (incl Cableing) Light pole (2-way) and luminous lights to accord with ultimate carriage way	3	No	\$ 6,000 \$ 13,000	\$ 18,000 \$ 0		
8.3 8.4	JUP lighting single Joint Trenching and backfilling for Electrical & Telecommunications cabling & conduits.	105		\$ 4,000 \$ 29	\$ 0 \$ 3,008		
8.5	Trenching and backfilling for Electrical cabling & conduits including pole excavation Extra Over for PVC conduits (63, 100 & 150 mm dia)	20		\$ 27	\$ 5,49 \$ 4,838		
8.7	Service pit installation	4	Item	\$ 292	\$ 1,166		
8.8	Electrical connection Excavation of Telecom conduit trenches (Comms provider to supply cable) - Assume Joint Trench	105	Item Im	\$ 15,000 \$ 0	\$ 15,000 \$ 0		
9	LANDSCAPING WORKS Landscape Treatment including trees, planting and lawn installation.	100	lm	\$ 450.00	\$ 45,000	\$ 45,000	
9.2	Vehicle exclusion Fencing Landscape maintenance (including watering of all trees to maintain healthy establishment)	0 9%	No rate	\$ 90.00	\$ 0 \$ 4,050		
10	SIGNAGE	1	item	\$ 1,000	\$ 1,000	\$ 1,000	
12	LINEMARKING SERVICE RELOCATION	1		\$ 5,000	\$ 5,000	\$ 5,000	
12.1 13	NA ENVIRONMENTAL CONTROLS (To comply with EPA guidelines for Major Construction Sites & EPA Publication 960)	1	Item item	\$ 60,000	\$ 60,000	\$ 60,000	
14 14.1	MISCELLANEOUS Existing Road outside of new road pavements	NA				\$ 240,550	
14.1.	Strip asphalt		m²	\$5	\$ -		
14.1.	Recycle FCR to stockpile backfill with structural fill		m³ m³	\$ 10 \$ 12	\$ -		
14.2 14.3	PSMs Installation and supply of crash fencing	200	Item Im	\$ 550 \$ 1200	\$ 550 \$ 240,000		
14.4 16	Crash Fencing Transition and anchor points (4 No.) PROVISIONAL SUM - DAYWORK	INCL ABOVE	Item Item	\$ 8500		\$	
	TOTAL A + B + C + D					\$ 2,177,899	
E	Contingency Contingency (15% of C)				15%	\$ 268,259	
	PROJECT BUDGET						
F	Total Estimate					\$ 2,446	



ICP REF	Cameron Street GGF Friendly Bebo Arch crossing BR-04A DPM 1941/M/GC1 18.12.15	Length: Area:	25 - -	lm sq.m ha		18.06.18 1941/M/A(iv 1.0	
ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT	SUBTO	
	Project and Program Management (%) Project Management		3.00%		\$ 51,247	\$ 85,412	
	Project scoping, planning, scheduling, monitoring, reporting and commissioning						
	Management of preconstruction activities, development of tender documents and management of contracts Managing external interfaces, including community liaison, environmental issues, traffic issues etc.						
	Records management						
	Program Administration Design and Investigation (%)		2.00%		\$ 34,165	\$ 226,342	
	Traffic Investigations & Functional Design		0.85%		\$ 14,520		
	Cadastral and Engineering Survey Geotechnical investigations and footing design		1.20%		\$ 20,499 \$ 20,499		
	Structural Design		0.75%		\$ 12,812		
	Environmental Investigations Landscape Design		1.00%		\$ 17,082 \$ 17,082		
	Electrical & Public Lighting Design		0.50%		\$ 8,541		
	Civil Preliminary and Final Design Construction Management & Superintendency		4.25% 2.50%		\$ 72,600 \$ 42,706		
С	Authority Fees		2.50%		\$ 42,700	\$ 60,518	
	Whittlesea City Council Checking & Supervision VicRoads Plan Checking		3.25% NA		\$ 55,518 \$ 0		
	Ausnet Public lighting and electrical design checking	1	Item	\$ 5,000	\$ 5,000		
	Construction					£ 4 700 2	
D L	PRELIMINARIES Construction					\$ 1,708,2 4 \$ 110,000	
1.1	Site establishment (e.g. Site facilities, security fencing, storage sheds etc.)	1	Item	\$ 30,000	\$ 30,000		
2	Site management & supervision including QA Creek Diversion Works including set up of bypass lines, pump systems and bund walls	15	wks	\$ 1,000 \$ 50,000	\$ 15,000 \$ 50,000		
1.4	Traffic Managemnet (assumes no development on one side of the creek)	1	Item	\$ 15,000	\$ 15,000		
1.1	DEMOLITION Trees	2	No	\$ 1500	\$ 3,000	\$ 3,390	
.2	Trees Strip asphalt from existing pavement	0	Mo m²	\$ 1500	\$ 3,000		
1.3	Removal of existing fencing	0	Lm	\$ 18	\$ 0		
1.4	Break out & remove "No Road" sign & concrete edge strip. EARTHWORKS (VERTICAL ALIGNMENT NOT AVAILABLE)	1	Item	\$ 390	\$ 390	\$ 217,500	
.1	Stripping topsoil (150mm) (included in excavation below)	0	m²	\$ 6	\$ 0		
1.2	Excavation and removal for GGF pools and submerged bebo arch footings Filling	2,000 1,500	m³ m³	\$ 30 \$ 15	\$ 60,000 \$ 22,500		
.5	Import and compact Engineered backfill material up to road boxing	3,000	m³	\$ 45	\$ 135,000		
1.6	Soft spot rectification/Unsuitable Subgrade (NDCR) PAVEMENT	0	m³	\$ 70	\$ 0	\$ 160,800	
.1	Deep lift asphalt 175 mm (Type H class 320 upper layer 40 mm deep and Type SI lower layer 135 mm deep)	1,200	m²	\$ 85	\$ 102,000	\$ 100,800	
.2	Sub Base 150 mm (Size 20 mm 3% CTCR)	1,680	m²	\$ 25	\$ 42,000		
l.3	Lower Sub Base 150 mm (Class 4 Size 20 mm CR) Shoulder - full depth pavement	1,680	m² m²	\$ 10 \$ 145	\$ 16,800 \$ 0		
.6	Rock excavation & sub-surface remediation 150mm (included in 3.6 above)	0	m²	\$ 70	\$ 0		
	DRAINAGE Subsoil drains 100mm dia - screenings into bebo	210	Lm	\$ 30	\$ 6,300	\$ 28,710	
	Subsoil drains 100mm dia - no fines conc	0	Lm	\$ 45	\$ 0		
i.3	375 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep 450 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	10	Lm	\$ 170 \$ 275	\$ 1,700 \$ 0		
5.5	525 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	0	Lm Lm	\$ 350	\$0		
.6	Grated side entry pits as per EDCM 603 @ 0-1.5 m deep	5	No	\$ 2,500	\$ 12,500		
5.7	Junction pits (600 X 900) as per EDCM 605 @ 0-1.5 m deep Drainage Density Tests	2	No No	\$ 2,000 \$ 105	\$ 8,000 \$ 210		
5.8	Allowance to modify drainage to ultimate location	0	item	\$ 50,000	\$ 0		
5.1	CONCRETE WORKS Kerb &channel - SM1 300	0	Lm	\$ 32	\$ 0	\$ 33,840	
5.2	Kerb &channel - SM2 600	200	Lm	\$ 35	\$ 7,000		
5.3	Kerb &channel - SM3 600 Edge Strip (200 mm)	10	Lm Lm	\$ 35 \$ 34	\$ 0 \$ 340		
5.5	Bike Paths (3.0m wide,125 mm, residential, as per EDC 401) - Bike Path is on-road	100	Lm	\$ 135	\$ 13,500		
5.6	Footpaths (1.5m wide,125 mm, residential, as per EDC 401)	200	Lm	\$ 65	\$ 13,000		
5.7	Laybacks and tactile pavers 10m concrete maintenance area end of all islands	0	m² m²	\$ 850 \$ 85	\$ 0 \$ 0		
5.9	Additional Shared Paths	0	Lm	\$ 130	\$ 0		
	SUPPLY AND INSTALL BEBO ARCHES Supply Humes Bebo Arch 6210s (10 X 2.5 m wide units); 1 unit = 11.9 t	119	t	\$ 1000	\$ - \$ 119,000	\$ 930,620	
	Supply Humes Bebo Arch 6210s (10 X 2.5 m wide units) 1 unit = 11.9 t	119	t	\$ 1000	\$ 119,000		
'.3 '.4	Supply Humes Bebo Arch 12300s (14 X 1.8 m wide units) 1 unit = 16.8 t Installation margin of items 7.1-7.3	235	t 60%	\$ 1000	\$ 235,200 \$ 283,920		
	In-situe strip footings	100	cub.m	\$ 400	\$ 40,000		
	Supply & Install Pre-cast plain concrete spandrel wall for 6210s (4 Units) 1 unit = 8.2 t	33	t	\$ 1250	\$ 41,000		
	Supply & Install Pre-cast plain concrete spandrel wall for 12300s (2 Units) 1 unit = 17.2 t Rock beaching at ends of crossing	34 450	t cub.m	\$ 1250 \$ 110	\$ 43,000 \$ 49,500		
	ELECTRICAL, PUBILC LIGHTING & TELECOMMUNICATIONS			A 0		\$ 37,830	
.2	Light pole (1-way) and luminous lights Light pole (2-way) and luminous lights to accord with ultimate carriage way	0	No No	\$ 8,000	\$ 16,000 \$ 0		
.3	JUP lighting single	0	No	\$ 4,000	\$ 0		
.5	JUP lighting dual Trenching and backfilling for cabling including pole excavation	50	No Lm	\$ 5,000 \$ 26	\$ 0 \$ 1,300		
3.6	Cabling and PVC conduits (63, 100 & 150 mm dia) for lighting	100	Lm	\$ 25	\$ 2,450		
	Service pit installation Electrical connection	2	Item Item	\$ 240 \$ 15,000	\$ 480 \$ 15,000		
.9	Excavation of Telecom conduit trenches (Comms provider to supply cable)	100	Im	\$ 26	\$ 2,600		
	LANDSCAPING WORKS	100		4 450 00	4 45 000	\$ 45,000	
0.1	Landscape Treatment including trees, planting and lawn installation. Vehicle exclusion Fencing	100	lm No	\$ 450.00 \$ 90.00	\$ 45,000 \$ 0		
.3	Landscape maintenance (including watering of all trees to maintain healthy establishment)	9%	rate		\$ 4,050		
	SIGNAGE LINEMARKING	1	item	\$ 1,000 \$ 5,000		\$ 1,000	
2	SERVICE RELOCATION				, 2,230	\$ 0	
	NA FINURONMENTAL CONTROLS (To comply with FPA guidelines for Major Construction Sites & FPA Publication 960)	1	ltem item	\$ 60,000	\$ 60,000	\$ 60,000	
	ENVIRONMENTAL CONTROLS (To comply with EPA guidelines for Major Construction Sites & EPA Publication 960) MISCELLANEOUS		iceill	, 50,000	\$ 00,000	\$ 74,550	
	Existing Road outside of new road pavements	NA	m-2	ć r	ė		
_	Strip asphalt Recycle FCR to stockpile		m² m³	\$ 5 \$ 10	\$ - \$ -		
14.1.	backfill with structural fill		m³	\$ 12	\$ -		
	PSMs Installation and supply of crash fencing	200	Item Im	\$ 550 \$ 200	\$ 550 \$ 40,000		
4.4	Crash Fencing Transition and anchor points	4	Item	\$ 8500	\$ 34,000		
_	PROVISIONAL SUM - DAYWORK TOTAL A + B + C + D		Item		\$ -	\$ \$ 2,080,5	
	TOTAL A + B + C + D Contingency					₹ Z,U8U,51	
	Contingency (15% of C)				15%	\$ 256,236	
	PROJECT BUDGET					42.5	
	Total Estimate					\$ 2,3	

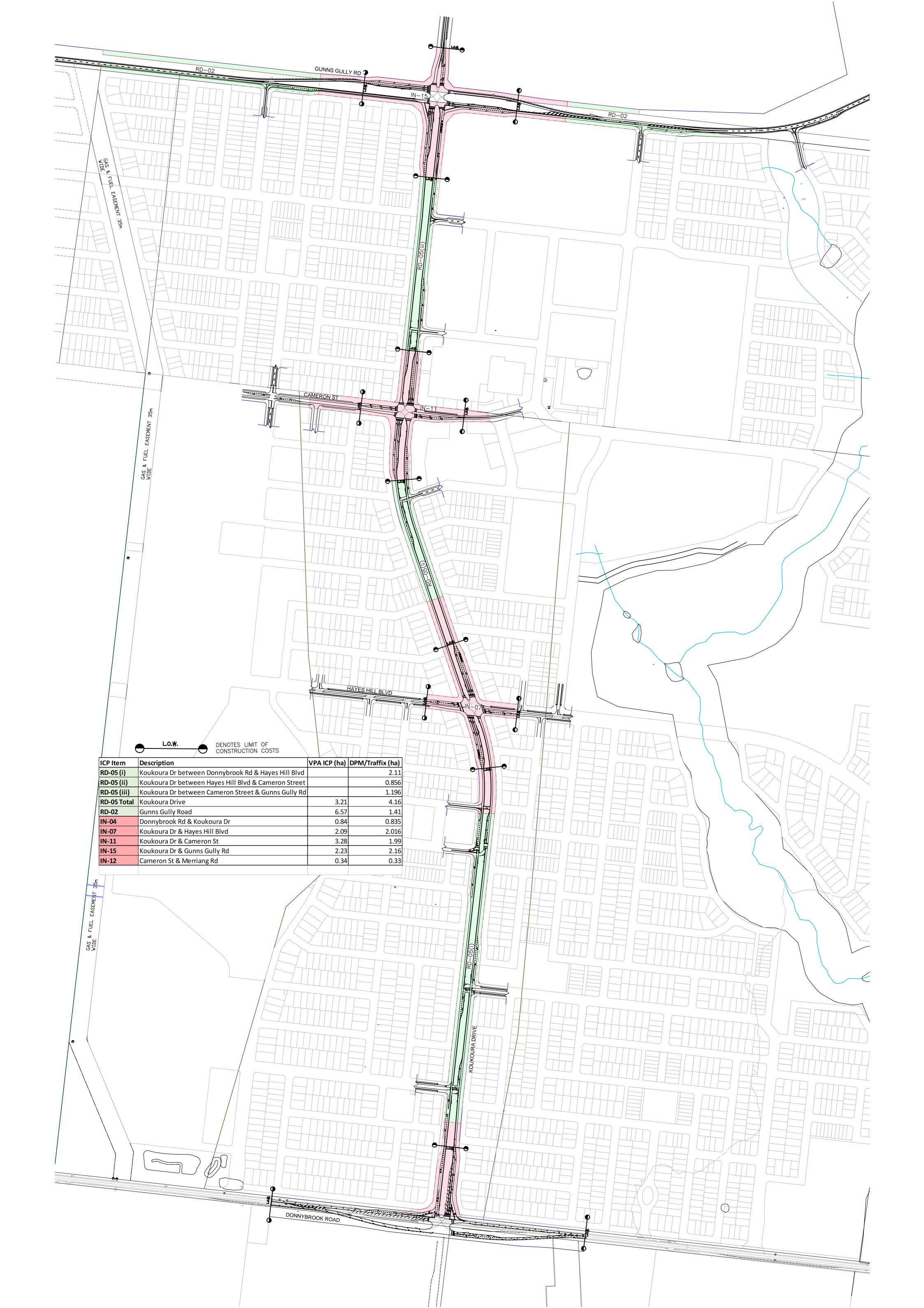
PLANS	Cameron Street GGF Friendly Culvert Crossing (100m Width Creek Reserve) BR-04C DPM 1941/M/GC1 18.12.15	Length: Area:		lm sq.m ha		: 12.09.2018 : 1941/M/A(iv	
TTEM A	DESCRIPTION Project and Program Management (%)	QUANTITY	UNIT	RATE	AMOUNT	\$UBTOTAL \$ 77,631	
	Project Management Project scoping, planning, scheduling, monitoring, reporting and commissioning		3.00%		\$ 46,579		
	Management of preconstruction activities, development of tender documents and management of contracts Managing external interfaces, including community liaison, environmental issues, traffic issues etc.						
	Records management Program Administration		2.00%		\$ 31,052		
В	Design and Investigation (%)					\$ 205,722	
	Traffic Investigations & Functional Design Cadastral and Engineering Survey		0.85% 1.20%		\$ 13,197 \$ 18,631		
	Geotechnical investigations and footing design Structural Design		1.20% 0.75%		\$ 18,631 \$ 11,645		
	Environmental Investigations Landscape Design		1.00%		\$ 15,526 \$ 15,526		
	Electrical & Public Lighting Design Civil Preliminary and Final Design		0.50% 4.25%		\$ 7,763 \$ 65,986		
	Construction Management & Superintendency Authority Fees		2.50%		\$ 38,815		
	Whittlesea City Council Checking & Supervision		3.25%		\$ 50,460		
	VicRoads Plan Checking Ausnet Public lighting and electrical design checking	1	NA Item	\$ 5,000	\$ 0 \$ 5,000		
D	Construction					\$ 1,552,618	
	PRELIMINARIES Site establishment (e.g. Site facilities, security fencing, storage sheds etc.)	1	Item	\$ 30,000	\$ 30,000	\$ 95,000	
	Site management & supervision including QA Creek Diversion Works including set up of bypass lines, pump systems and bund walls	15		\$ 1,000 \$ 50,000	\$ 15,000 \$ 50,000		
1.4	Traffic Management (assumes no development on one side of the creek)	1	NA NA	3 30,000	\$ 30,000		
2.1	DEMOLITION Trees	2		\$ 1500	\$ 3,000		
	Strip asphalt from existing pavement Removal of existing fencing	0		\$ 5 \$ 18	\$ 0 \$ 0		
	Break out & remove "No Road" sign & concrete edge strip. EARTHWORKS (VERTICAL ALIGNMENT <u>NOT</u> AVAILABLE)	1	Item	\$ 390	\$ 390	\$ 245,500	
3.1	Stripping topsoil (150mm) (included in excavation below) Excavation	1,000	m² m³	\$ 6 \$ 30	\$ 0		
3.3	Filling	3,000	m³	\$ 15	\$ 45,000		
	Import and compact Engineered backfill material up to road boxing Soft spot rectification/Unsuitable Subgrade (NDCR)	3,100	m³ m³	\$ 55 \$ 70	\$ 170,500 \$ 0		
	PAVEMENT Deep lift asphalt 175 mm (Type H class 320 upper layer 40 mm deep and Type SI lower layer 135 mm deep)	1,030	m²	\$ 85	\$ 87,550	\$ 130,200	
	Sub Base 150 mm (Size 20 mm 3% CTCR) Lower Sub Base 150 mm (Class 4 Size 20 mm CR)	1,210 1,240	m² m²	\$ 25 \$ 10	\$ 30,250 \$ 12,400		
4.5	Shoulder - full depth pavement Rock excavation & sub-surface remediation 150mm (included in 3.6 above)	0		\$ 145 \$ 70	\$ 0 \$ 0		
5	DRAINAGE					\$ 29,644	
	Subsoil drains 100mm dia - screenings Subsoil drains 100mm dia - no fines conc	210	Lm Lm	\$ 30 \$ 45	\$ 6,300 \$ 0		
	300 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep (Cross Drain at limit of works) 375 RCP (Class 3 Pipe Class 2 CR) @ 0-1.5 m deep	24 40		\$ 186 \$ 203	\$ 4,460 \$ 8,100		
	450 RCP (Class 3 Pipe Class 2 CR) @ 1.5-2.5 m deep 525 RCP (Class 3 Pipe Class 2 CR) @ 1.5-2.5 m deep	0		\$ 355 \$ 350	\$ 0 \$ 0		
5.7	Grated side entry pits as per EDCM 603 @ 0-1.5 m deep	4	No	\$ 2,643	\$ 10,574		
5.9	Junction pits (600 X 900) as per EDCM 605 @ 0-1.5 m deep Drainage Density Tests	0		\$ 2,000 \$ 105	\$ 0 \$ 210		
	CONCRETE WORKS Kerb & channel - SM1 300	0	Lm	\$ 32	\$0	\$ 33,840	
-	Kerb & channel - B2 Kerb &channel - SM2 600	200	Lm Lm	\$ 35 \$ 35	\$ 7,000 \$ 0		
	Edge Strip (200 mm) Bike Paths (3.0m wide,125 mm, residential, as per EDC 401) - <i>Bike Path is on-road</i>	10	Lm Lm	\$ 34 \$ 135	\$ 340 \$ 13,500		
6.6	Footpaths (1.5m wide,125 mm, residential, as per EDC 401)	200	Lm	\$ 65	\$ 13,000		
6.8	Laybacks and tactile pavers 10m concrete maintenance area end of all islands	0	m²	\$ 850 \$ 85	\$ 0 \$ 0		
	Additional Shared Paths SUPPLY AND INSTALL BOX CULVERTS	0	Lm	\$ 130	\$ 0	\$ 620,933	
	Supply & Install Rocla Culverts (2 No. Rows - 34m X 1500mm wide X 1200 high Crown Units); Reinforced Concrete Wingwall & Upstand Headwall incl Footings (Assume 250mm thick as per Structural Drawings)	50 87	Lm m²	\$ 1346 \$ 800	\$ 67,278 \$ 69,600		
7.3	Reinforced Concrete Culvert Base Slab & Apron (Assume 300mm thick as per Structural Drawings) Rock beaching at ends of crossing	320 110	m² m²	\$ 300 \$ 142	\$ 96,000 \$ 15,620		
7.5	Supply & Install Rocla Culverts (2 No. X 1 No. Row - 34m X 1500mm wide X 600 high Crown Units) - Terrestrial Culverts	68	Lm	\$ 1139	\$ 77,435		
7.7	Reinforced Concrete Wingwall & Upstand Headwall incl Footings (Assume 250mm thick as per Structural Drawings) Reinforced Concrete Culvert Base Slab & Apron (Assume 300mm thick as per Structural Drawings)	114 505	m² m²	\$ 800 \$ 300	\$ 91,200 \$ 151,500		
	Rock beaching at ends of crossing Supply & Install Fencing	150 155	m² Lm	\$ 142 \$ 200	\$ 21,300 \$ 31,000		
8	ELECTRICAL, PUBILC LIGHTING & TELECOMMUNICATIONS Light pole (1-way) and luminous lights (Incl Cableing)	3	No	\$ 6,000	\$ 18,000	\$ 42,561	
8.2	UP lighting single	0	No	\$ 13,000	\$0		
8.4	Joint Trenching and backfilling for Electrical & Telecommunications cabling & conduits.	105	Lm	\$ 29	\$ 3,008		
	Trenching and backfilling for Electrical cabling & conduits including pole excavation Extra Over for PVC conduits (63, 100 & 150 mm dia)	125	Lm Lm	\$ 27 \$ 39	\$ 549 \$ 4,838		
	Service pit installation Electrical connection	1		\$ 292 \$ 15,000	\$ 1,166 \$ 15,000		
	Excavation of Telecom conduit trenches (Comms provider to supply cable) - Assume Joint Trench LANDSCAPING WORKS	105	lm	\$0	\$0	\$ 45,000	
9.1	Landscape Treatment including trees, planting and lawn installation.	100	lm	\$ 450.00	\$ 45,000		
9.3	Vehicle exclusion Fencing Landscape maintenance (including watering of all trees to maintain healthy establishment)	9%	rate	\$ 90.00	\$ 0 \$ 4,050		
11	SIGNAGE LINEMARKING	1		\$ 1,000 \$ 5,000		\$ 1,000 \$ 5,000	
	SERVICE RELOCATION NA		Item			\$0	
13	ENVIRONMENTAL CONTROLS (To comply with EPA guidelines for Major Construction Sites & EPA Publication 960) MISCELLANEOUS	1		\$ 60,000	\$ 60,000	\$ 60,000 \$ 240,550	
14.1	Existing Road outside of new road pavements	NA	2	6.5		,0,550	
14.1.	Strip asphalt Recycle FCR to stockpile		m² m³	\$ 5	\$ -		
	backfill with structural fill PSMs	1	m³ Item	\$ 12 \$ 550	\$ - \$ 550		
	Installation and supply of crash fencing Crash Fencing Transition and anchor points (4 No.)	200 INCL ABOVE	lm No.	\$ 1200 \$ 8500	\$ 240,000		
16	PROVISIONAL SUM - DAYWORK TOTAL A + B + C + D		Item			\$ 1,891,431	
E	Contingency						
	Contingency (15% of C) PROJECT BUDGET				15%	\$ 232,893	
	Total Estimate					\$ 2,124,	

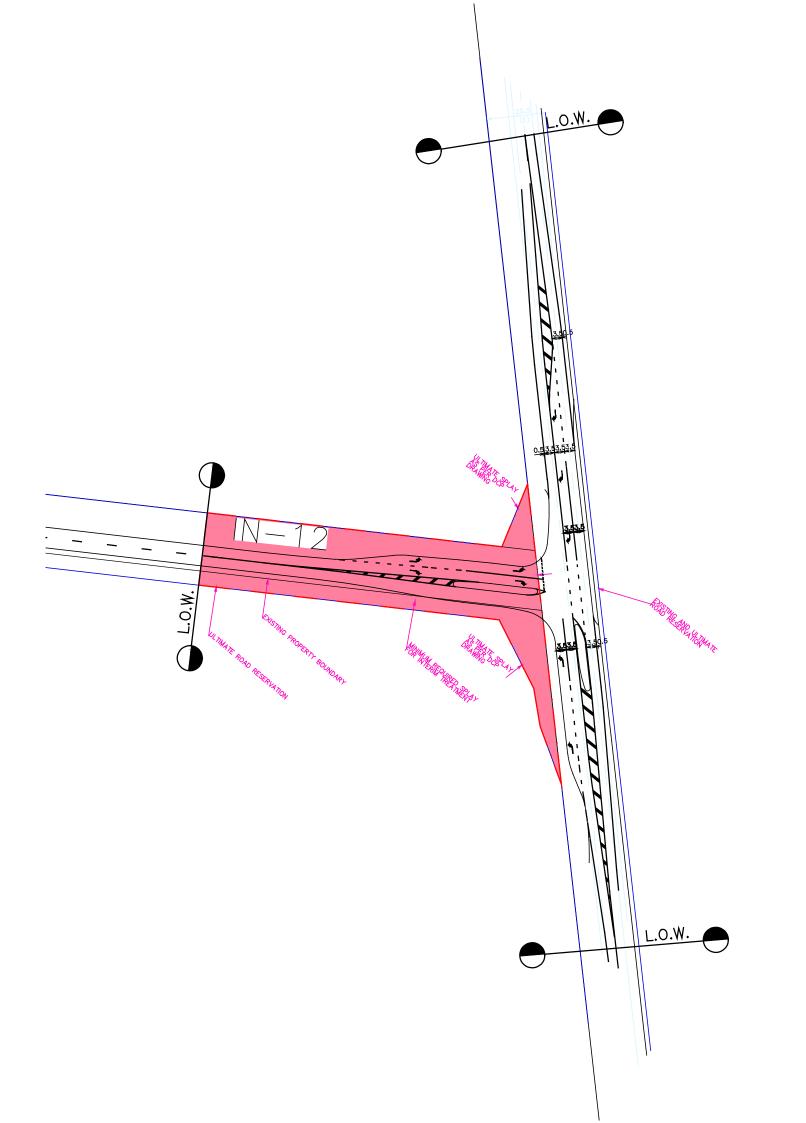


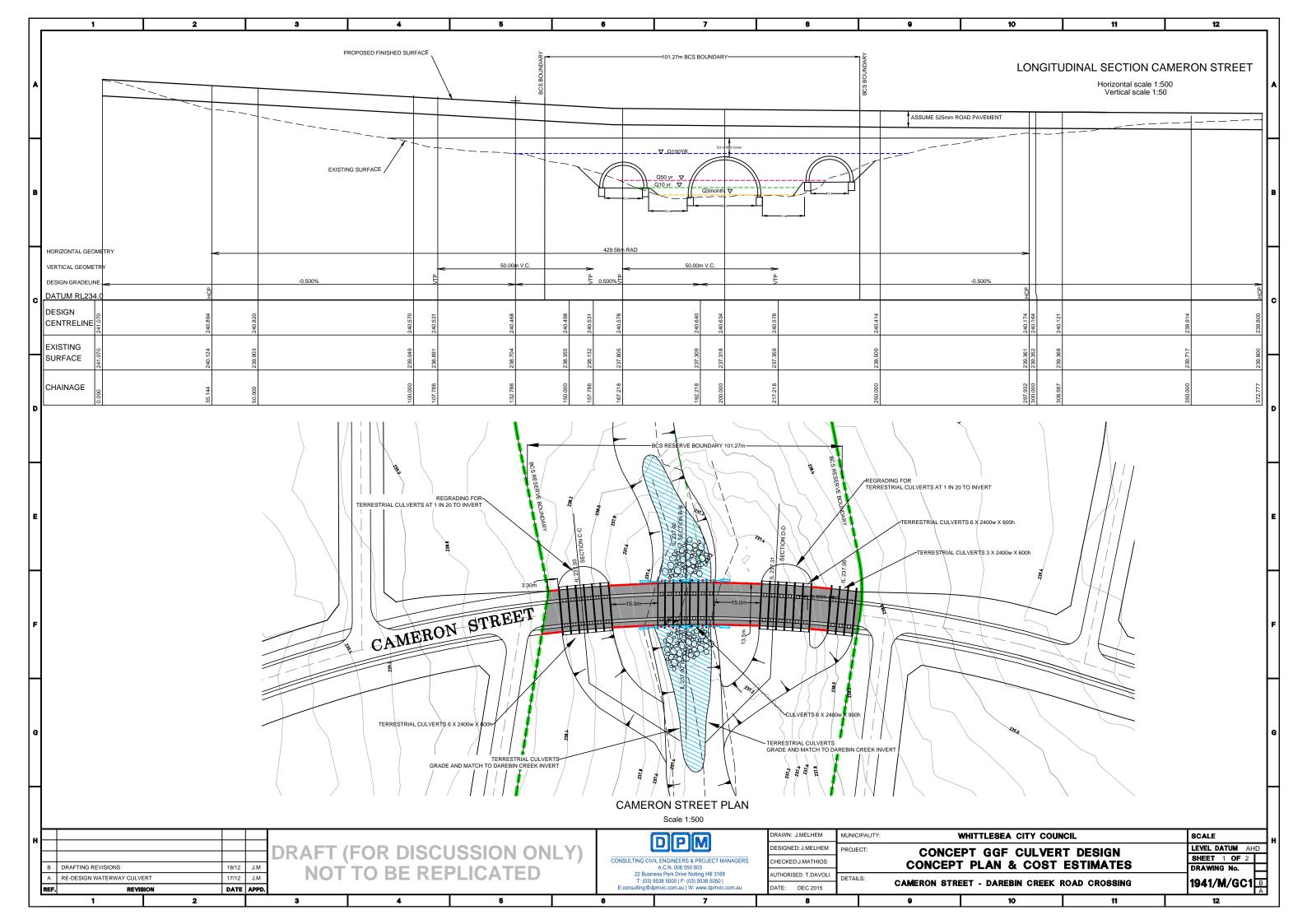


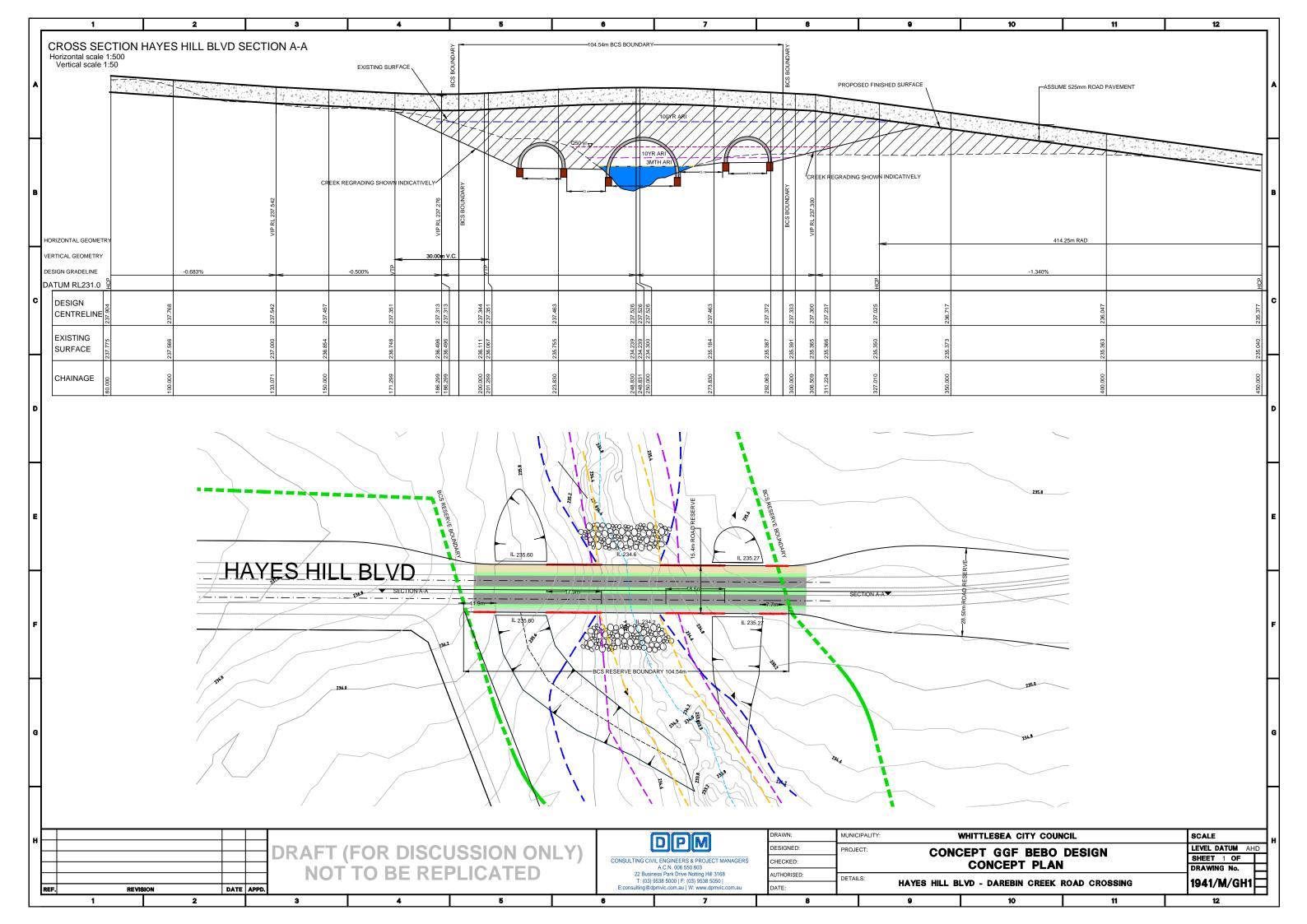






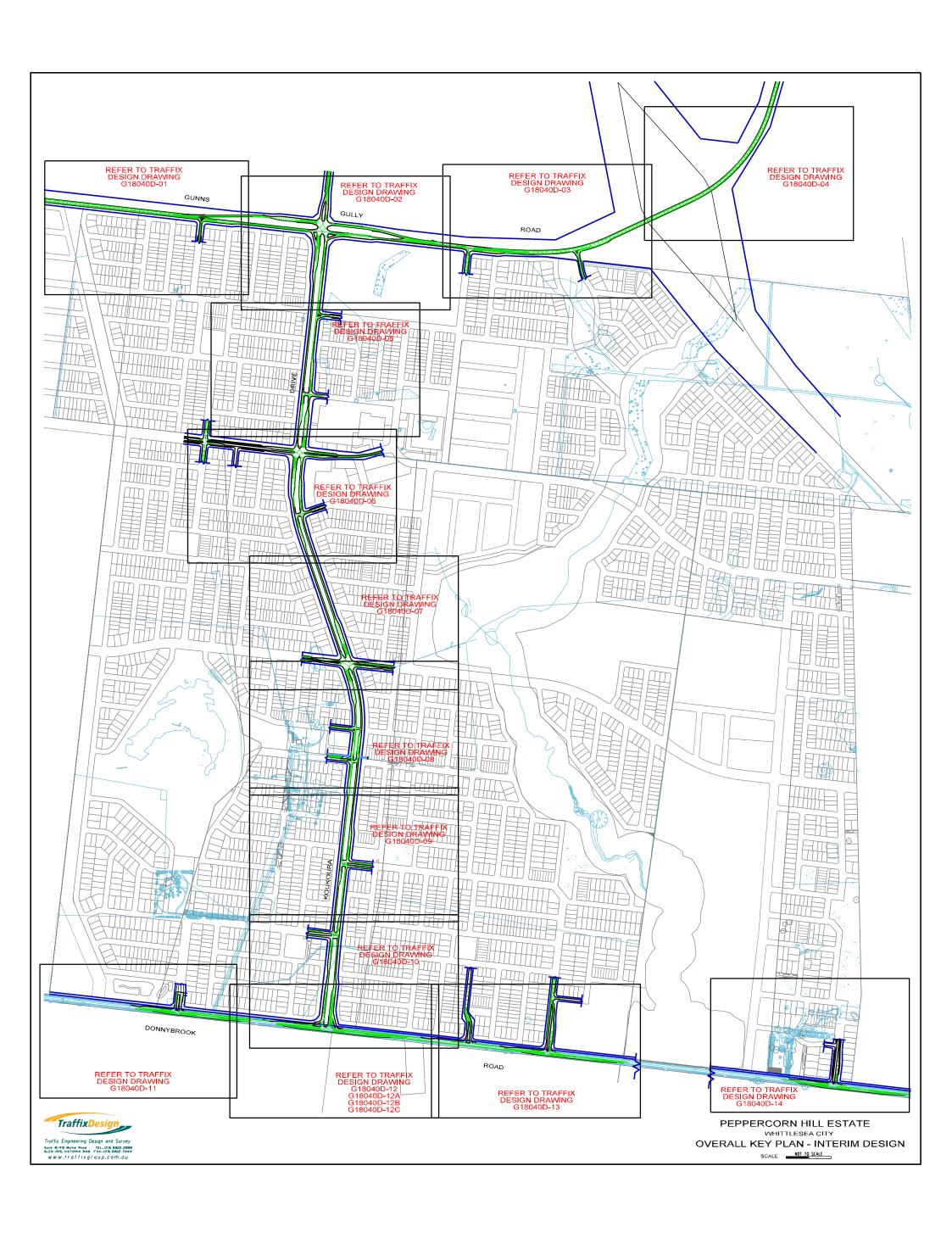


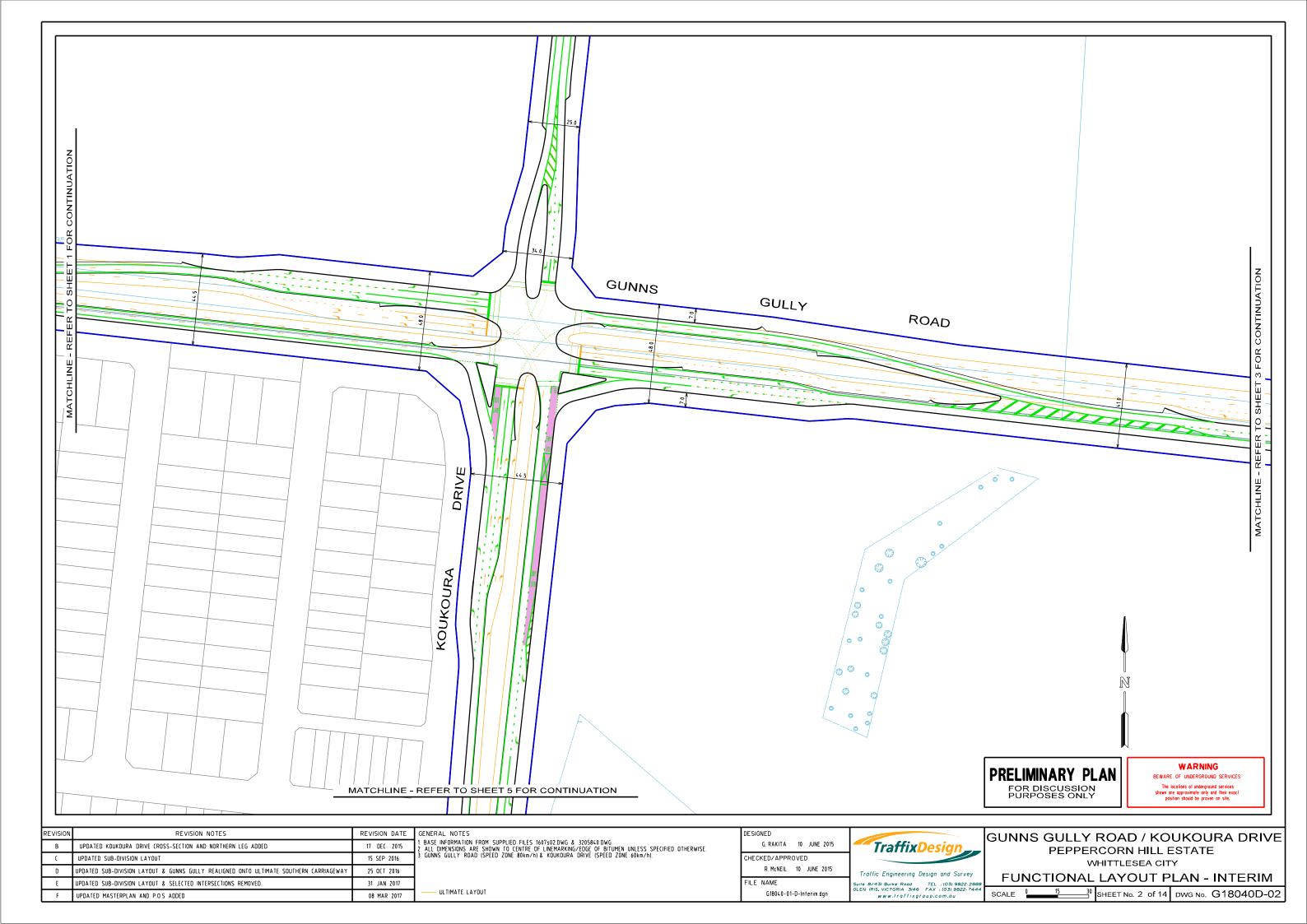


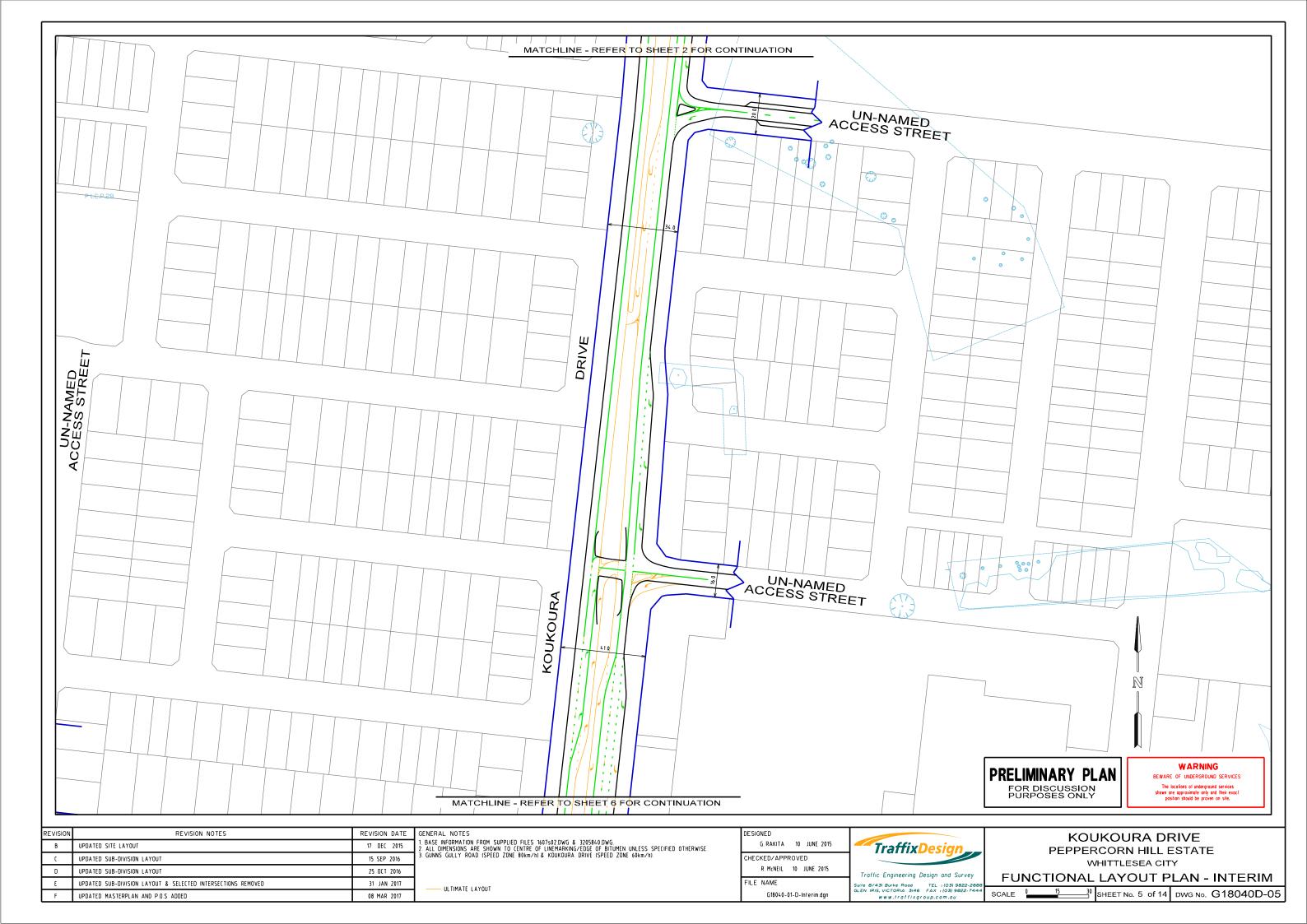


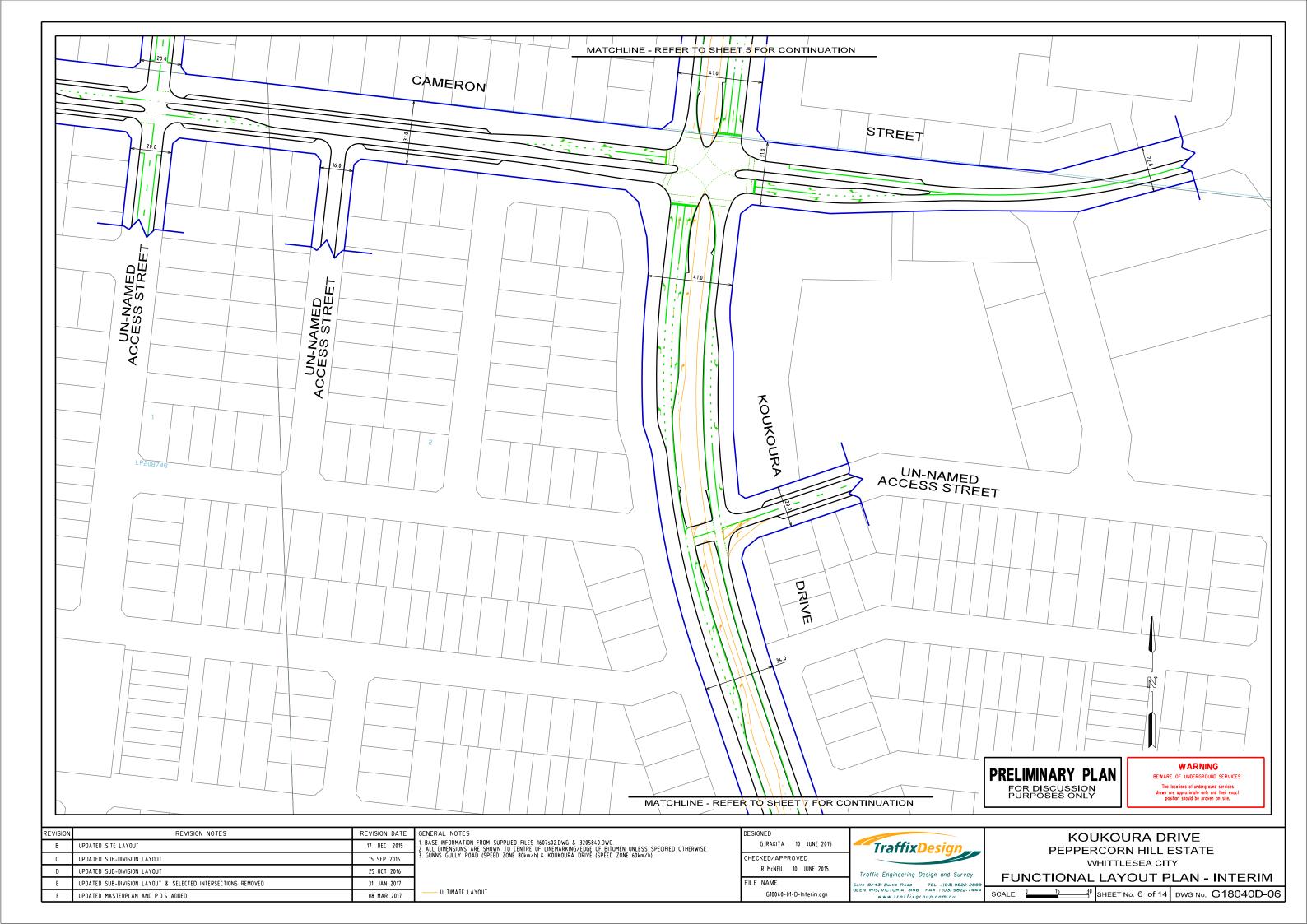
COMPARIS	ON OF	DPM ESTIMAT	ES V	S. ICP		DATE: 14.09.18 VER. 1.1 J.MATHIC				
Item:	DPM	(June 2018)	ICP	(August 2018)	% Diff. to DPM	Notes				
RD-02*	\$	5,278,050	\$	8,538,250	N/A	DPM costs for RD-02 only reflects the section of Gunns Gully Road				
						abutting Peppercorn Hill. The ICP cost covers the entire alignment				
						of Gunns Gully Road to the railway line.				
RD-05	\$	7,678,309	\$	3,838,544	-46.52%					
IN-04	\$	3,682,046	\$	5,823,000	22.81%	25% of IN-04 has been apportioned to the Shenstone PSP				
IN-07	\$	3,344,177	\$	4,384,260	32.92%					
IN-11	\$	3,621,322	\$	5,146,000	43.07%					
IN-15	\$	2,832,220	\$	5,573,000	104.04%					
IN-12	\$	1,249,473	\$	3,479,000	178.44%					
PED-03	\$	202,119	\$	276,614	36.86%	50% of the pedestrian crossing has been apportioned to the Shenstone PSP				
BR-03	\$	2,498,609	\$	795,000	-86.63%	BR-03 & BR-04 seem grossly over estimated in the ICP, further				
BR-04	\$	2,336,748	\$	795,000	-85.71%	clarification is required from the ICP regarding these figures				
TOTAL	\$	27,445,021	\$	28,457,004	3.69%	Total amount excludes RD-02 as this is not a direct comparison.				

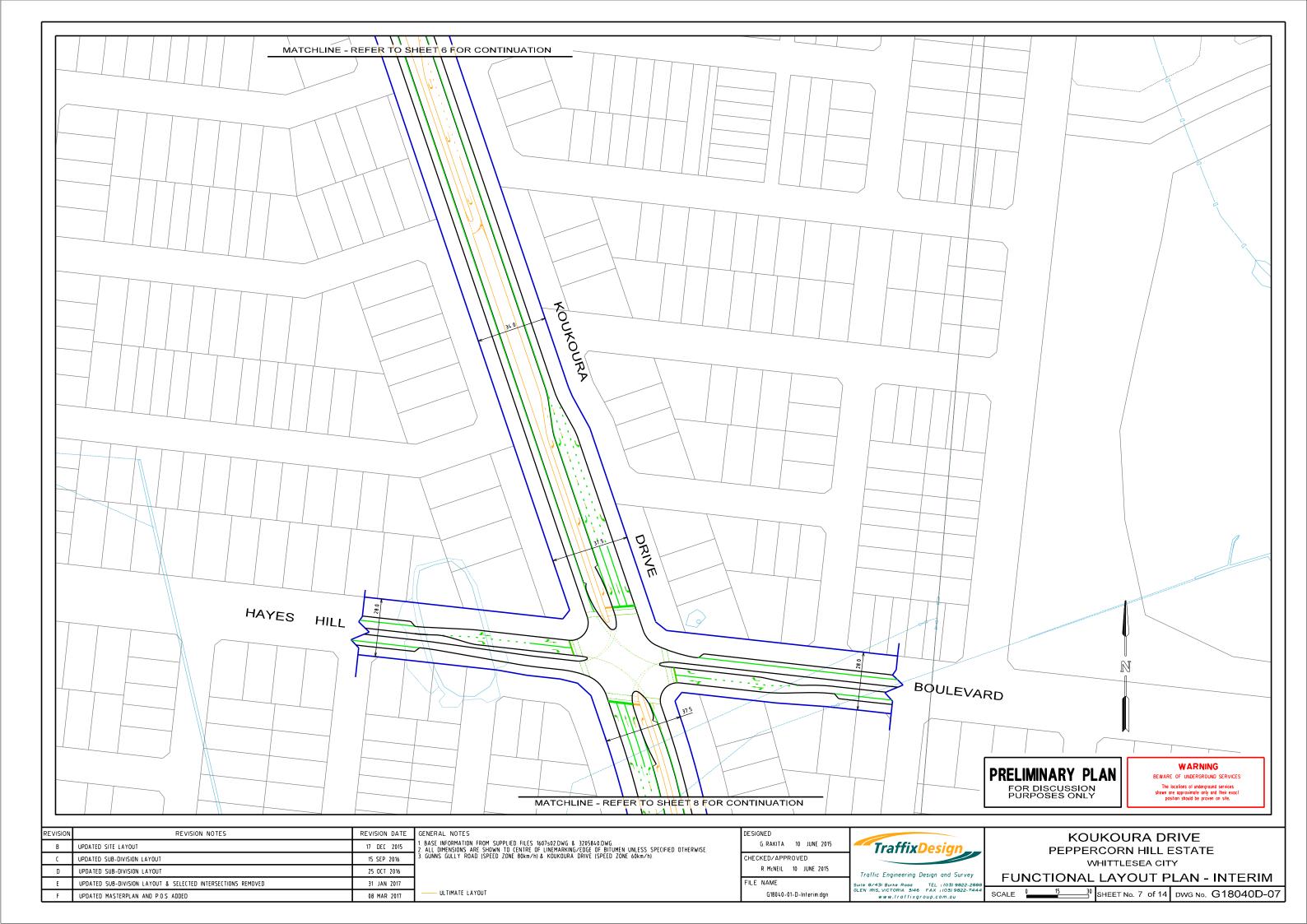


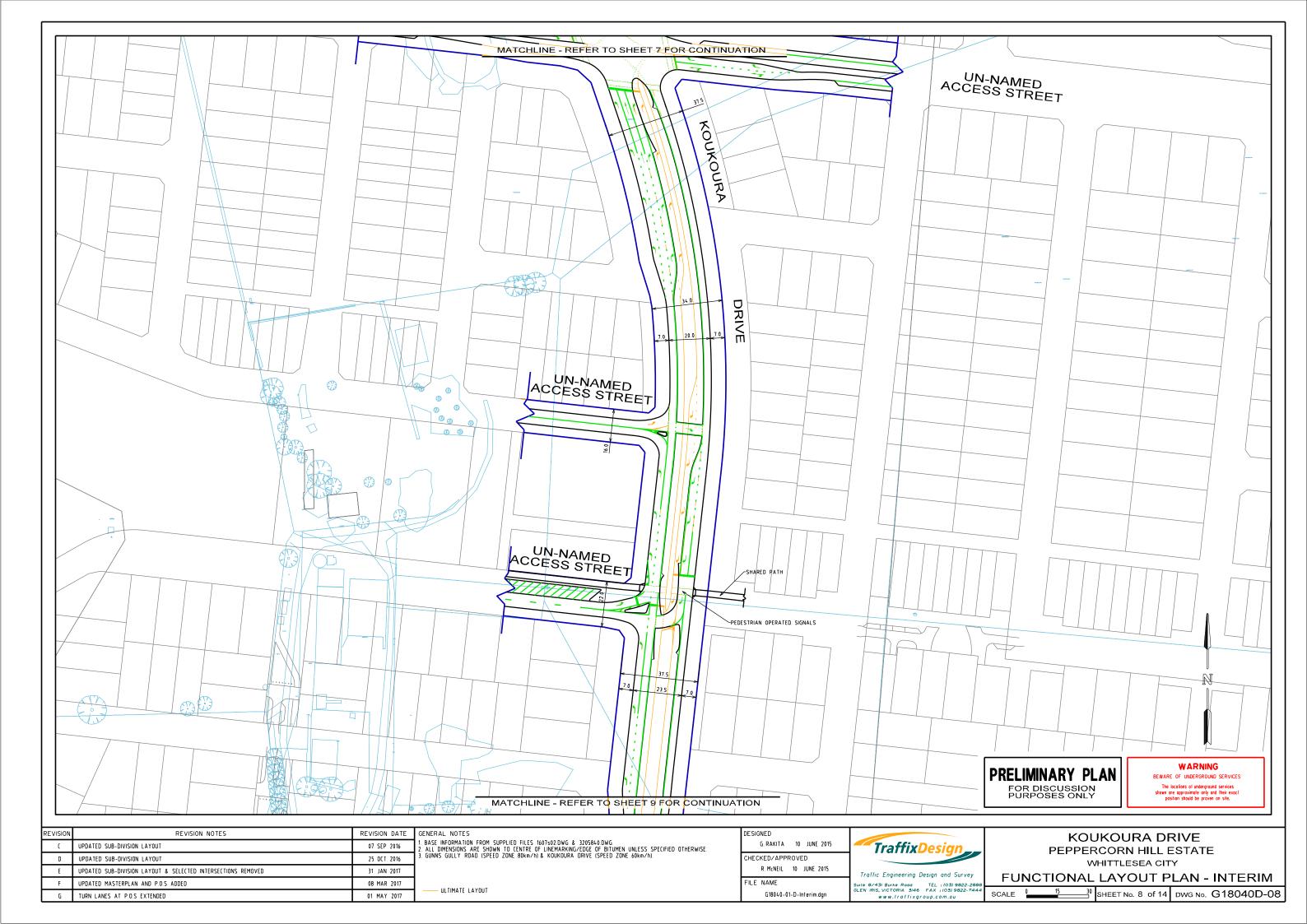


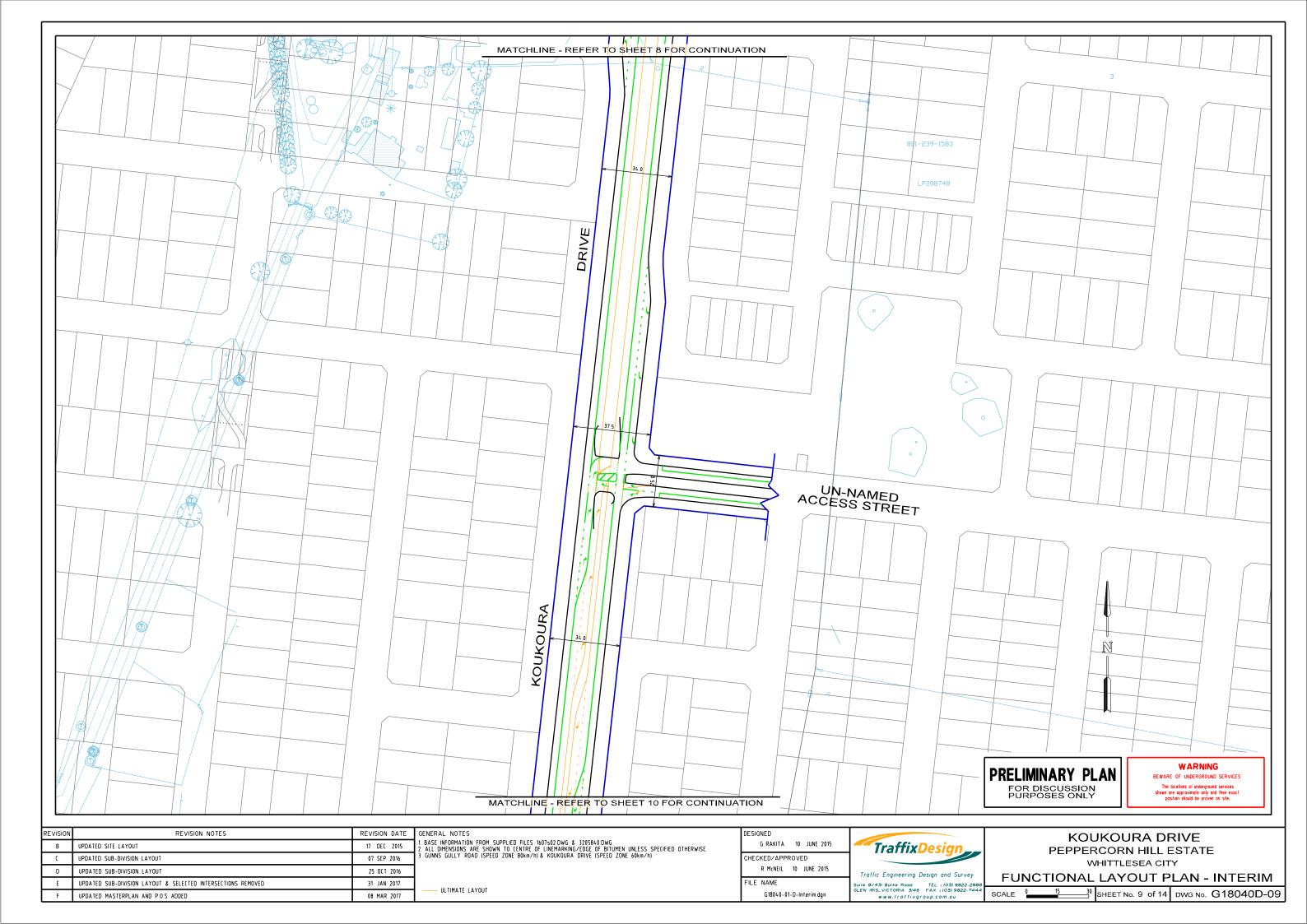


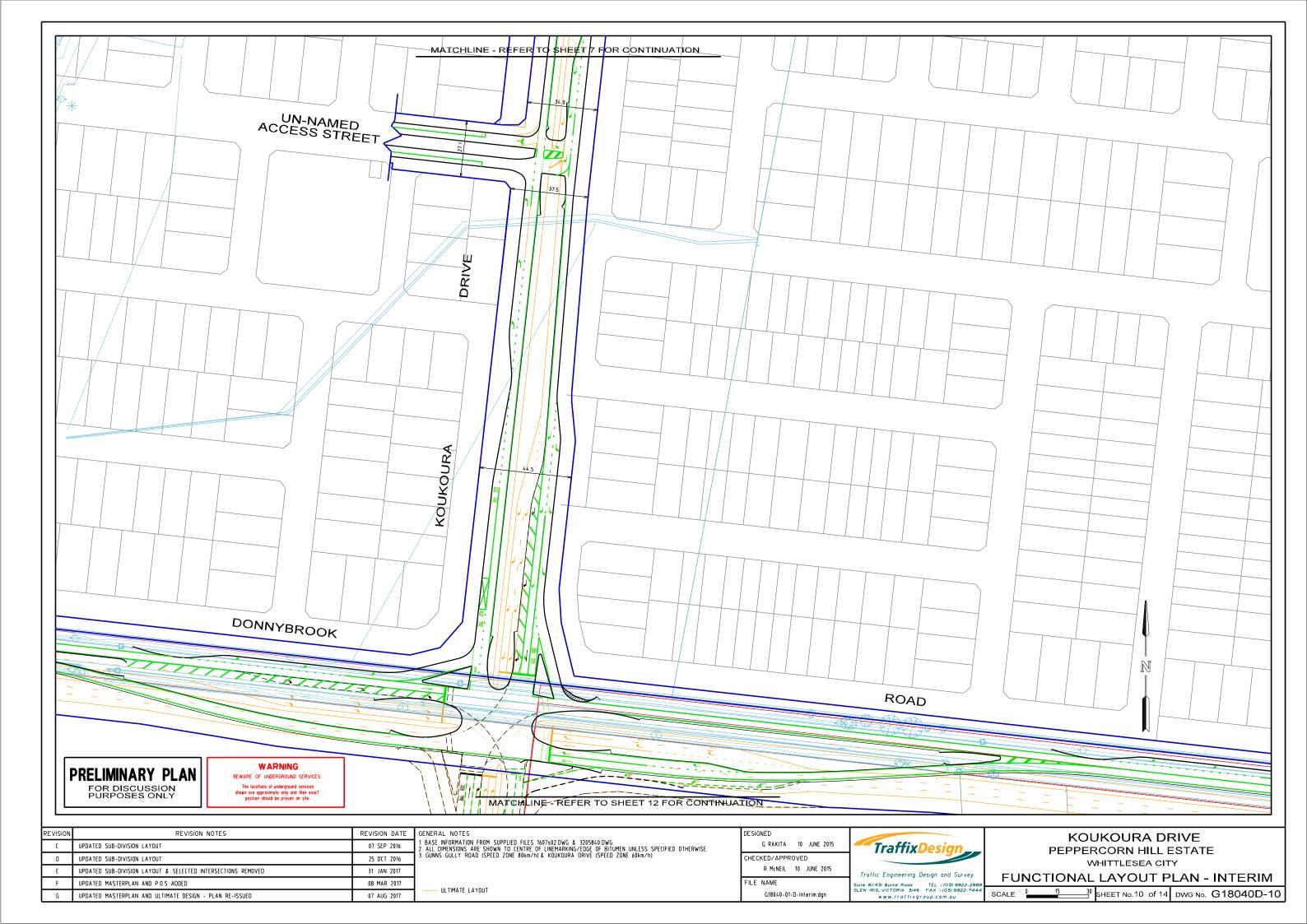


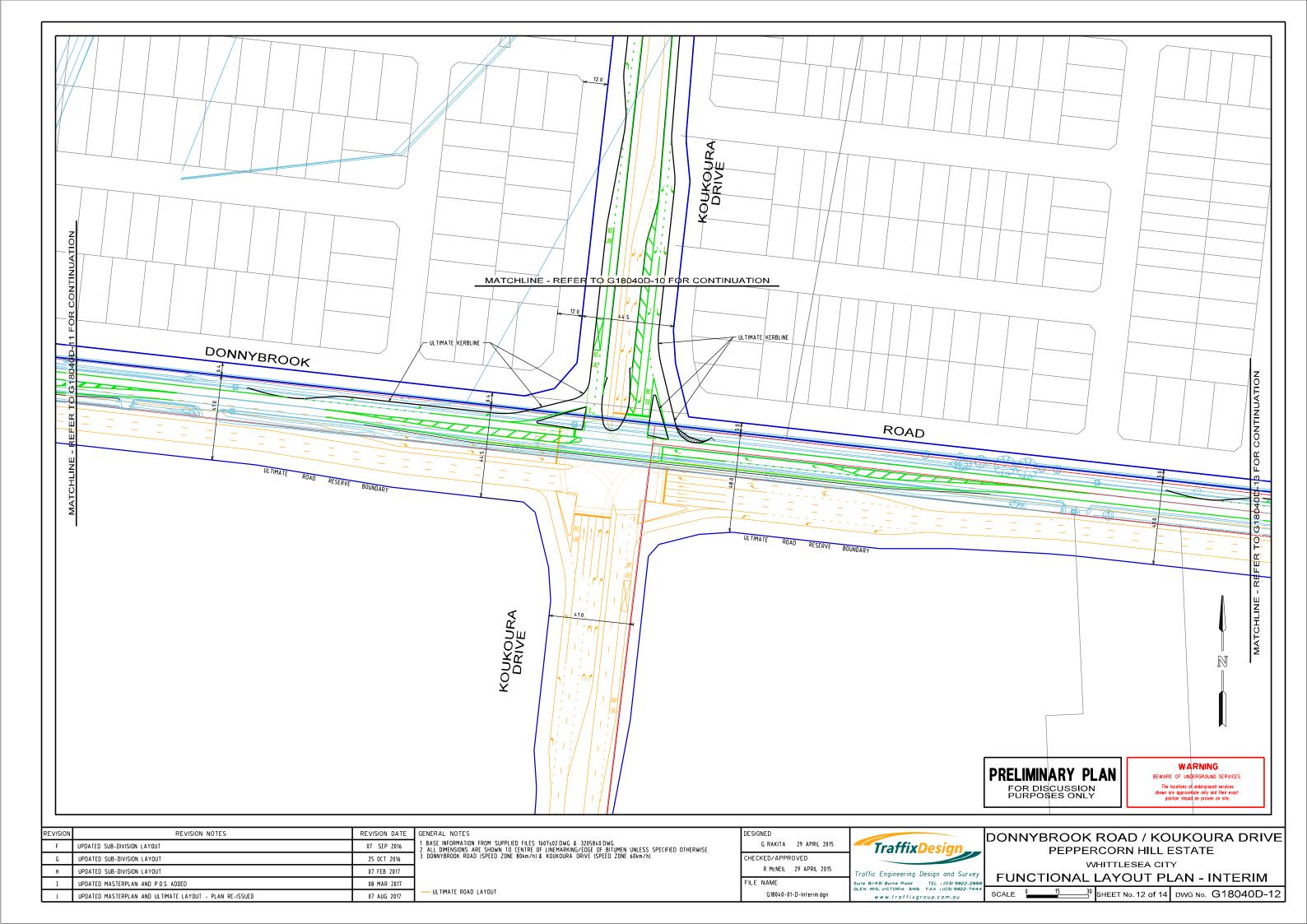


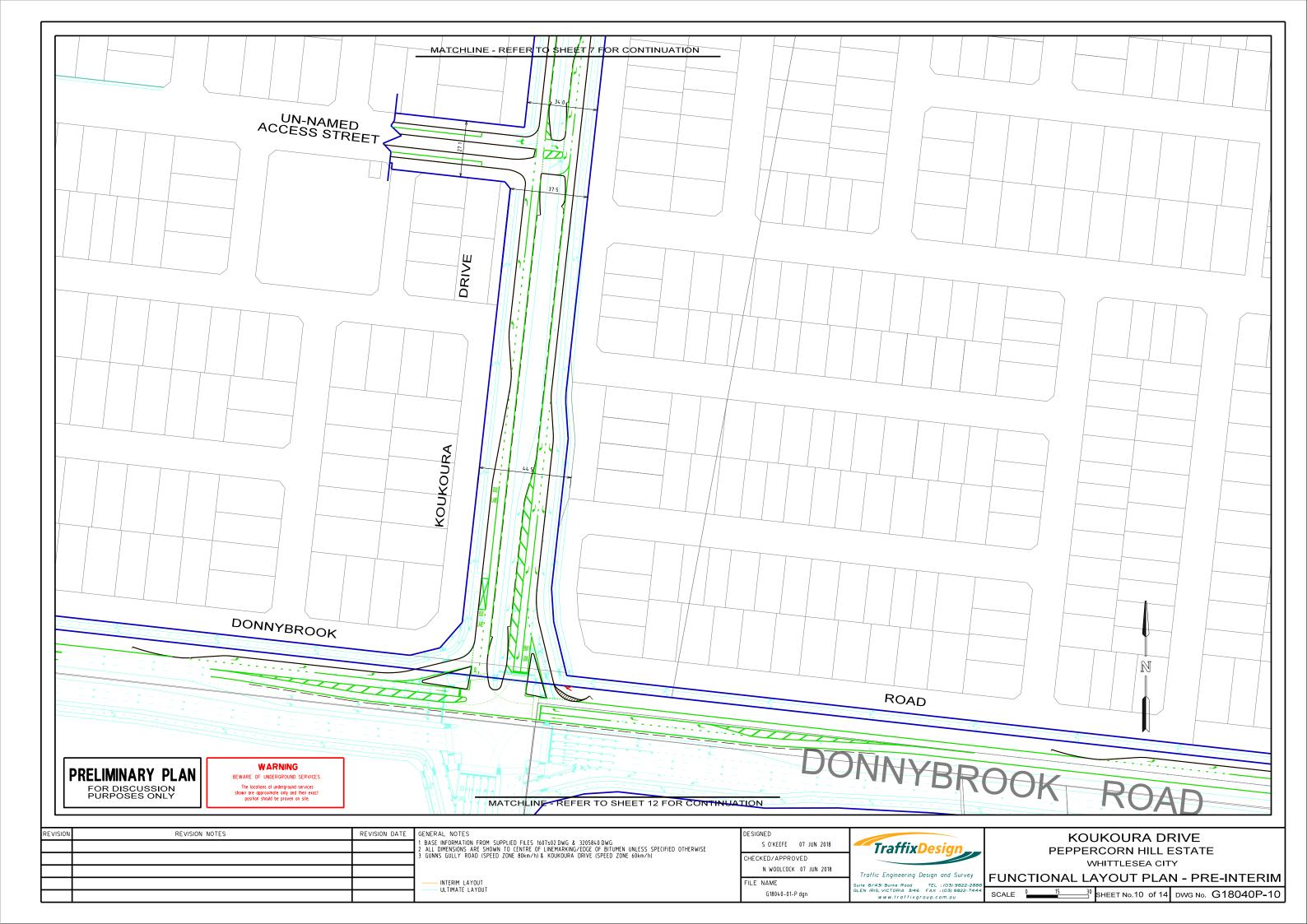


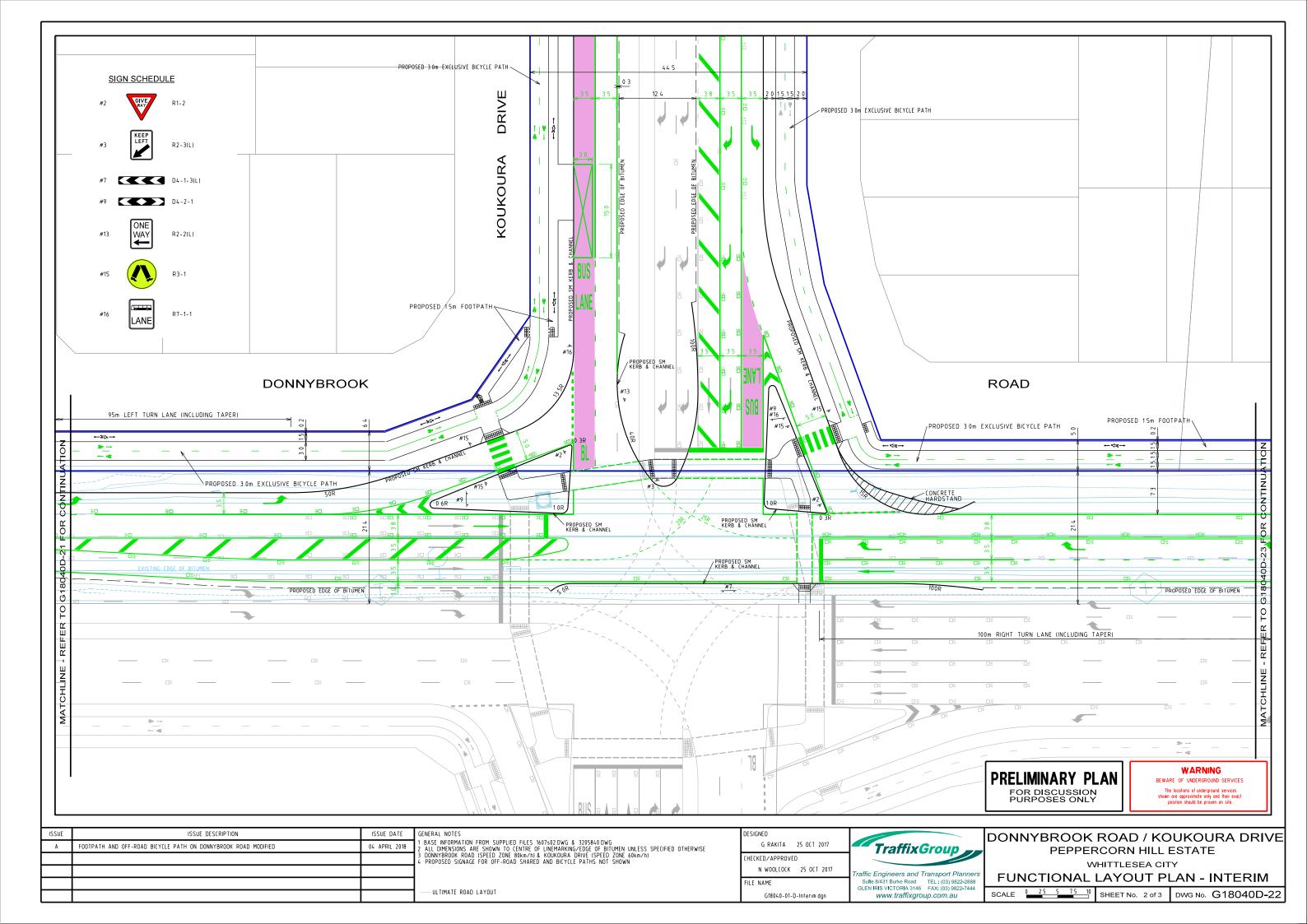


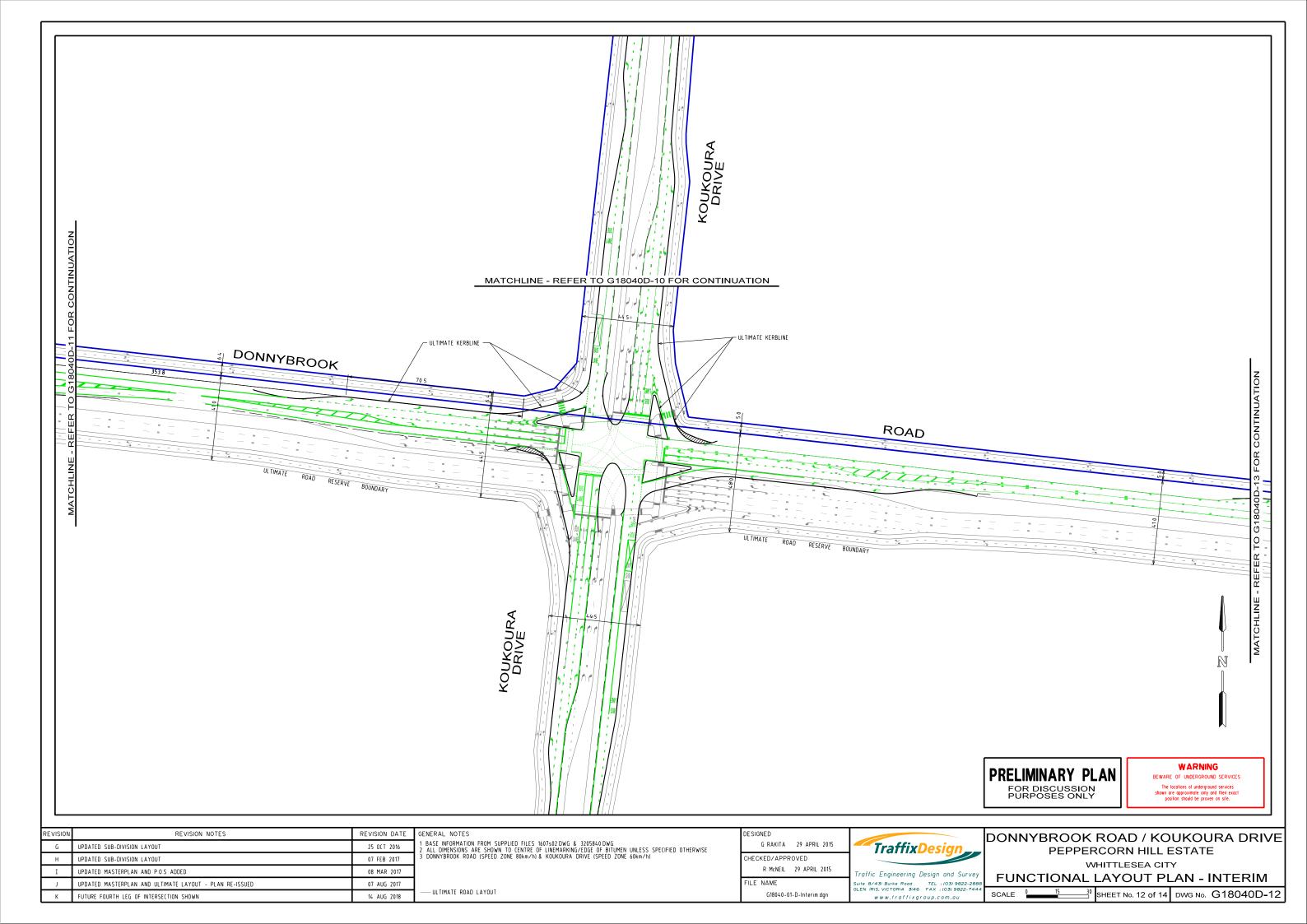


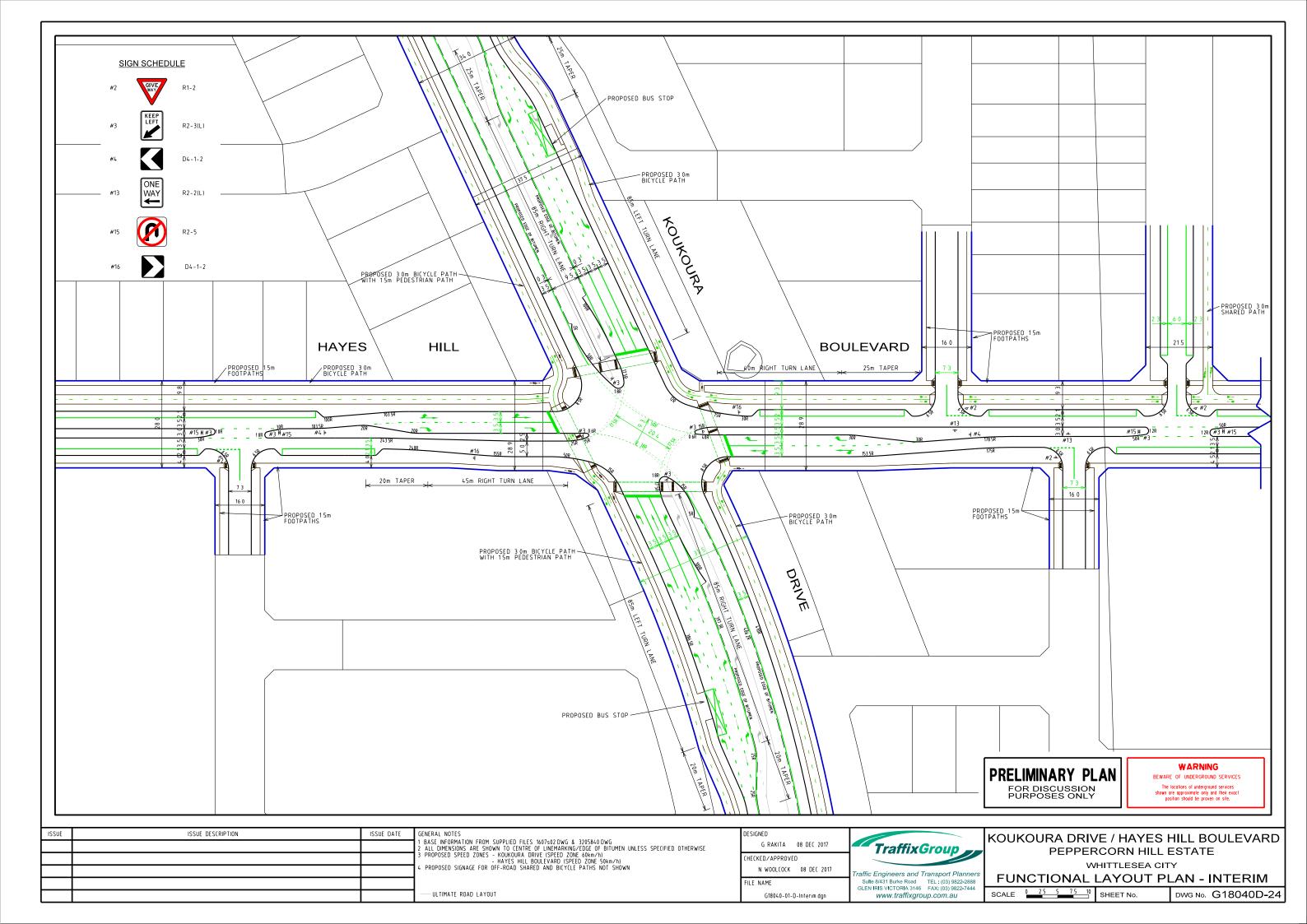


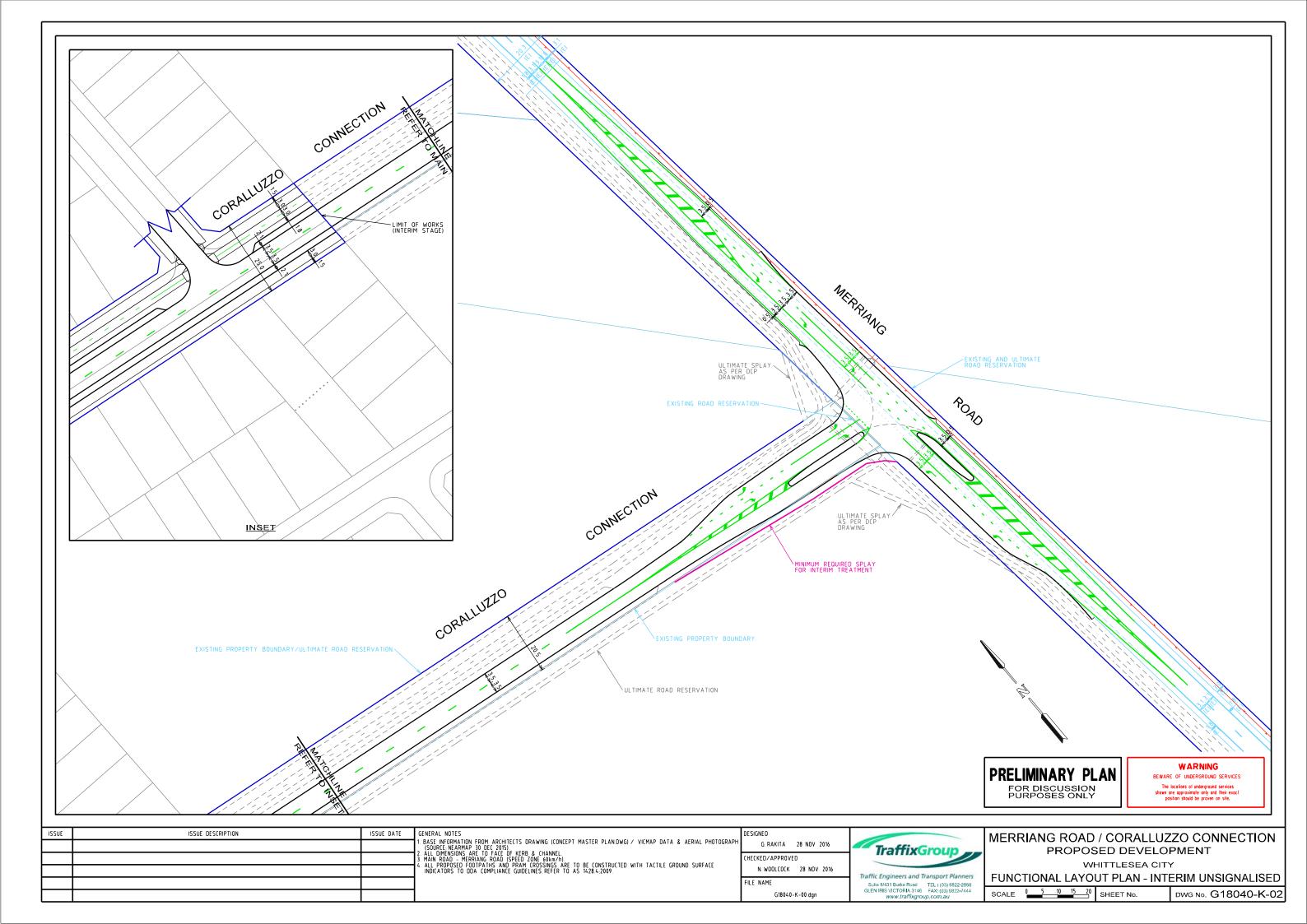












Opinion of Probable Costs for Peppercorn Hill SR03 Active Open Space

SR03 Active Open Space Landscape Works



20/06/18 Rev C - Preliminary

Schedule of works

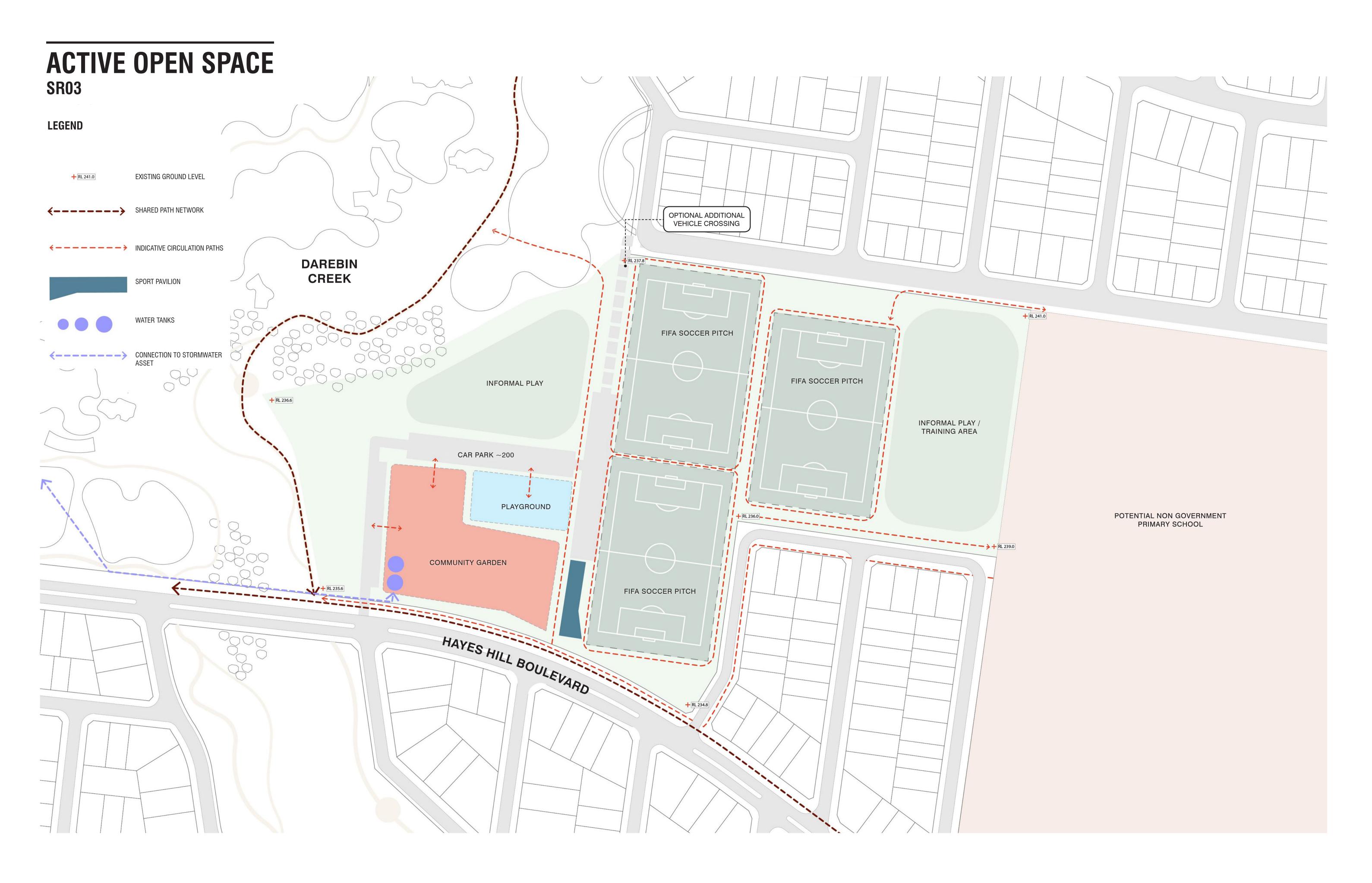
The following landscape quantities have been prepared to: Aid developer discussion's with Council.

Note: Rates exclude gst.

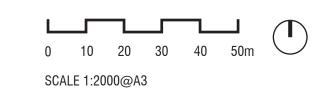
Item	Description	Unit	Qty	Rate	Amount		Summary Amount
Prelimin	aries						
	1 General Conditions					\$	100,000.00
	a To include securing the entire extended site at all times, temporary fencing with gate access, setting out of works, liaison with Superintendent, preparation of site specific OH&S Plan and Environmental Management Plan, provision of contract insurances and all other costs necessary for the completion of the works that in the Contractors opinion are not included in this schedule.	allow	1	\$100,000.00	\$ 100,000.00		
	2 Civil - Earthworks, Drainage & Carpark					\$	1,500,000.00
	Bulk earthworks by Civil Contractor, Including Prelim site & earthworks, Drainage, Incidental Works, Service Counduits, Provisional items, Servicing trenching, underground telstra/gas, & Fill/Topsoil.		1	\$ 500,000.00	\$ 500,000.00		
	a Road pavement, assumes approx. 200 car spaces		1	\$ 1,000,000.00	\$ 1,000,000.00		
	3 Civil - Stormwater Harvesting						\$500,000.00
	a Supply and install 2 x 350KL water tanks and connections to stormwater asset as specified	item	1	\$ 500,000.00	\$500,000.00		
				Pre	eliminaries Subtotal:	\$	2,100,000.00
ICP Item	s						
	4 Sports Fields					\$	5,030,000.00
	a Allowance for FIFA standard soccer fields (130m x 100m). Includes irrigation, goals.	item	3	\$ 1,560,000.00			
	b Supply and install pitch lighting and electric mains	item	1	\$ 350,000.00	\$ 350,000.00	<u> </u>	
	5 Community Garden					\$	500,000.00
	a Supply and install community garden, approx. 2500m2. Excludes management costs.	allow	1	\$ 500,000.00	\$ 500,000.00		
					ICP Items Subtotal:	\$	5,530,000.00
Landsca	pe Items						
	6 Ancillary landscape costs					\$	2,940,000.00
	a Allowance for informal landscape works - assume 20% hardscape,	m2	29400	\$ 100.00	\$2,940,000.00		
	80% softscape						

	Description	Unit	Qty	Rate	Amount	Summa Amoui
intenance	9					
7	Establishment and Maintenance Period					\$ 368,0
a	Undertake establishment maintenance of all landscape areas. Maintenance includes watering of all grass and garden beds as required to ensure healthy establishment in accordance with the Specification.	weeks	13	\$ 5,000.00	\$ 65,000.00	
b	Undertake extended maintenance of all landscape areas. Maintenance includes watering of all grass and garden beds as required to ensure healthy establishment in accordance with the Specification. Excludes sports oval and maintenance (expected to be taken over by Council).	weeks	101	\$ 3,000.00	\$ 303,000.00	
			Establish	ment and Maintenar	nce Period Subtotal:	\$ 368,0
	Sub-total landscape works (excluding GST) Allow 10% Contingency [at concept stage]					\$ 10,938,0 \$ 1,093,8
	Total Landscape Works (excluding GST)					\$ 12,031,8
ditional F	Required Items					
8	Pavilion					\$3,000,0
а	Supply and install pavilion with 6 change rooms and 60m2 community meeting space	allow	1	\$ 3,000,000.00	\$3,000,000.00	
				Additional Requ	ired Items Subtotal:	\$3,000,00
es						
g	Consultant fees					4
						\$1,803,
	Landscape architectural design fees. Includes concept and functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee.	allow	1	\$ 1,503,180.00	\$1,503,180.00	\$1,803, ²
	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes	allow	1	\$ 1,503,180.00 \$ 300,000.00	\$1,503,180.00 \$300,000.00	\$1,803,
b	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration					\$1,803, ¹
b 10	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost. Subconsultant fees Sub-consultant fees including electrical, agronomy and geotech for					
10 a	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost. Subconsultant fees	allow	1	\$ 300,000.00	\$300,000.00	
100 a	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost. Subconsultant fees Sub-consultant fees including electrical, agronomy and geotech for landscape works Sub-consultant fees including electrical & structural for architectural	allow	1	\$ 300,000.00	\$300,000.00 \$50,000.00	
100 aa bb	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost. Subconsultant fees Sub-consultant fees including electrical, agronomy and geotech for landscape works Sub-consultant fees including electrical & structural for architectural works	allow	1	\$ 300,000.00	\$300,000.00 \$50,000.00	\$100,0
100 aa bb	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost. Subconsultant fees Sub-consultant fees including electrical, agronomy and geotech for landscape works Sub-consultant fees including electrical & structural for architectural works Application fees	allow allow allow	1 1 1	\$ 300,000.00 \$ 50,000.00 \$ 50,000.00	\$300,000.00 \$50,000.00 \$50,000.00	\$100,0
100 aa bb	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost. Subconsultant fees Sub-consultant fees including electrical, agronomy and geotech for landscape works Sub-consultant fees including electrical & structural for architectural works Application fees	allow allow allow	1 1 1	\$ 300,000.00 \$ 50,000.00 \$ 50,000.00	\$300,000.00 \$50,000.00 \$50,000.00	\$100,0 \$50,0
100 aa bb	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost. Subconsultant fees Sub-consultant fees including electrical, agronomy and geotech for landscape works Sub-consultant fees including electrical & structural for architectural works Application fees Application and authority fees	allow allow allow	1 1 1	\$ 300,000.00 \$ 50,000.00 \$ 50,000.00	\$300,000.00 \$50,000.00 \$50,000.00	\$100,0 \$50,0 \$1,953,18

Excludes cultural heritage advice and supervision







DRG NO. SR03 LC02

Opinion of Probable Costs for Peppercorn Hill SR05 Active Open Space

SR05 Active Open Space Landscape Works

20/06/18

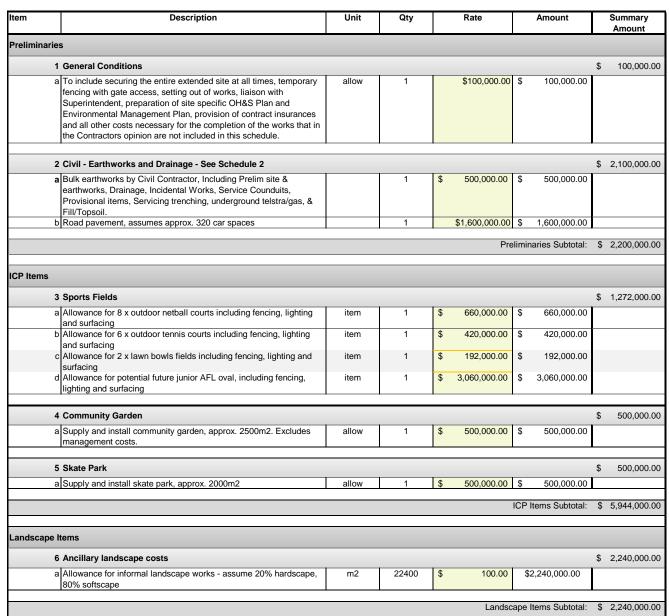
Rev C - Preliminary

Schedule of works

The following landscape quantities have been prepared to:

Aid developer discussion's with Council.

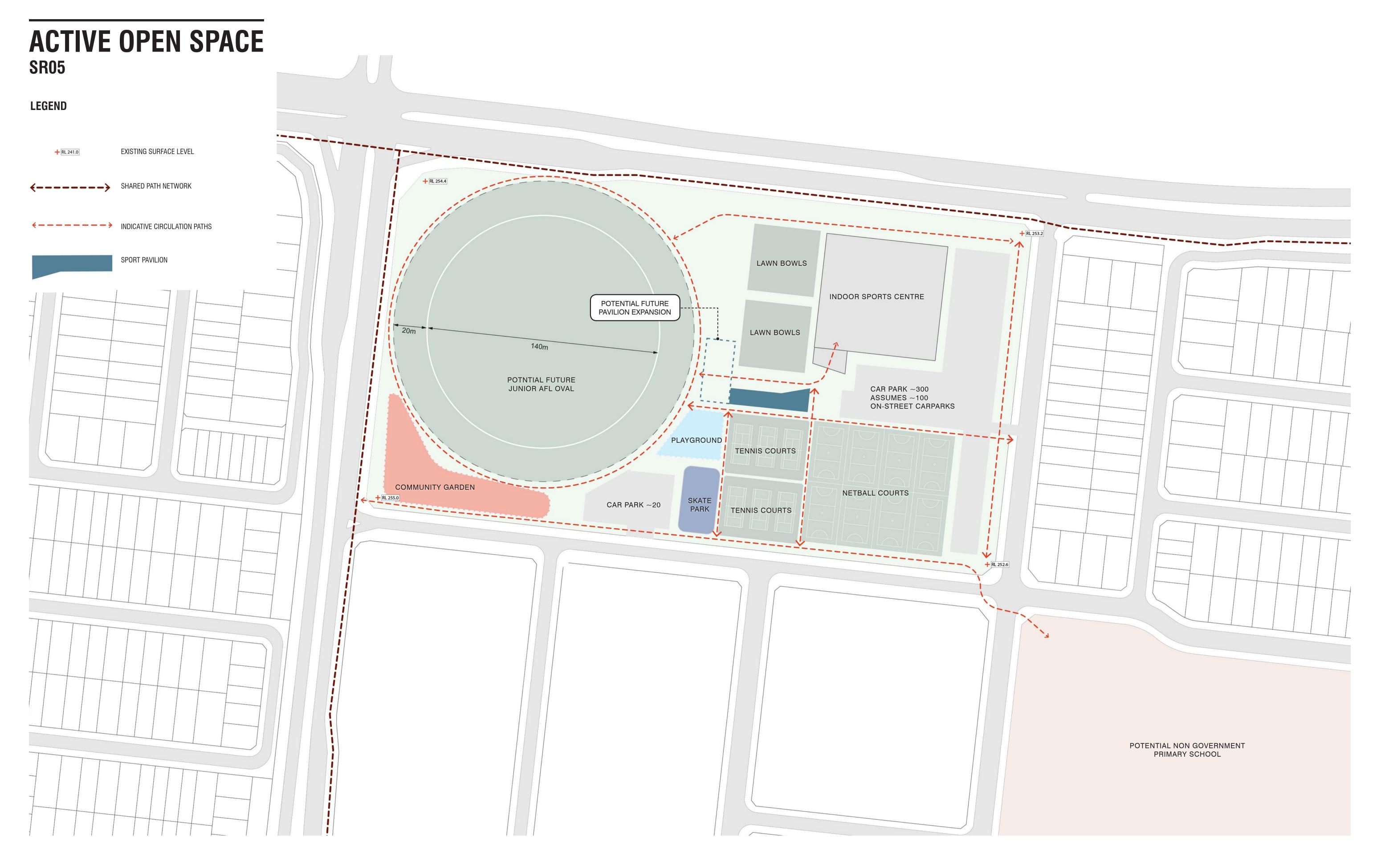
Note: Rates exclude gst.





Item	Description	Unit	Qty	Rate	Amount	Summary Amount
Maintenance	e					
7	7 Establishment and Maintenance Period					\$ 823,000.00
а	Undertake establishment maintenance of all landscape areas. Maintenance includes watering of all grass and garden beds as required to ensure healthy establishment in accordance with the Specification.	weeks	104	\$ 5,000.00	\$ 520,000.00	
b	Undertake extended maintenance of all landscape areas. Maintenance includes watering of all grass and garden beds as required to ensure healthy establishment in accordance with the Specification. Excludes sports oval and maintenance (expected to be taken over by Council).	weeks	101	\$ 3,000.00	\$ 303,000.00	
			Establis	hment and Maintenar	nce Period Subtotal:	\$ 823,000.00
	Sub total landocone works (evaluding CCT)					£ 44 207 000 00
	Sub-total landscape works (excluding GST) Allow 10% Contingency [at concept stage]					\$ 11,207,000.00 \$ 1,120,700.00
	Total Landscape Works (excluding GST)					\$ 12,327,700.00
Additional R	Required Items					
8	3 Pavilion					\$3,000,000.00
а	Supply and install pavilion to service outdoor netball and outdoor tennis courts	allow	1	\$ 3,000,000.00	\$3,000,000.00	
9	Indoor Sports Facility					\$5,000,000.00
а	a Supply and install indoor sports facility including min. 8 x netball courts, 6 x tennis courts and a small meeting space. Approx. 5000m2	allow	1	\$ 5,000,000.00	\$5,000,000.00	
				Additional Requ	ired Items Subtotal:	\$8,000,000.00
Fees						
10	Consultant fees					\$2,832,770.00
						4 =,00=,110.00
	Landscape architectural design fees. Includes concept and functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee.	allow	1	\$ 2,032,770.00	\$2,032,770.00	1 -,,
а	functional design, detailed design and documentation, tender	allow	1	\$ 2,032,770.00 \$ 800,000.00	\$2,032,770.00 \$800,000.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
a b	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration					\$100,000.00
a b	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost.					
11 a	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost. Sunconsultant fees Sub-consultant fees including electrical, agronomy and geotech for	allow	1	\$ 800,000.00	\$800,000.00	
11 a b	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost. Sunconsultant fees Sub-consultant fees including electrical, agronomy and geotech for landscape works Sub-consultant fees including electrical & structural for architectural works Application fees	allow	1	\$ 800,000.00	\$800,000.00	
11 a b	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost. Sunconsultant fees Sub-consultant fees including electrical, agronomy and geotech for landscape works Sub-consultant fees including electrical & structural for architectural works	allow	1	\$ 800,000.00	\$800,000.00	\$100,000.00
11 a b	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost. Sunconsultant fees Sub-consultant fees including electrical, agronomy and geotech for landscape works Sub-consultant fees including electrical & structural for architectural works Application fees	allow allow	1 1 1	\$ 800,000.00 \$ 50,000.00 \$ 50,000.00	\$800,000.00 \$50,000.00 \$50,000.00	\$100,000.00
11 a b	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost. Sunconsultant fees Sub-consultant fees including electrical, agronomy and geotech for landscape works Sub-consultant fees including electrical & structural for architectural works Application fees Application and authority fees	allow allow	1 1 1	\$ 800,000.00 \$ 50,000.00 \$ 50,000.00	\$800,000.00 \$50,000.00 \$50,000.00	\$100,000.00 \$50,000.00 \$2,982,770.00
11 a b	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost. Sunconsultant fees Sub-consultant fees including electrical, agronomy and geotech for landscape works Sub-consultant fees including electrical & structural for architectural works Application fees	allow allow	1 1 1	\$ 800,000.00 \$ 50,000.00 \$ 50,000.00	\$800,000.00 \$50,000.00 \$50,000.00	\$100,000.00 \$50,000.00
11 a b	functional design, detailed design and documentation, tender administration and 13 weeks maintenance. 10% of works. Includes project management fee. Architectural design fees (pavilion). Includes concept and functional design, detailed design and documentation, tender administration and contract administration. 10% of architectural works cost. Sunconsultant fees Sub-consultant fees including electrical, agronomy and geotech for landscape works Sub-consultant fees including electrical & structural for architectural works Application fees Application and authority fees Total Active Open Space Works (excluding GST)	allow allow	1 1 1	\$ 800,000.00 \$ 50,000.00 \$ 50,000.00	\$800,000.00 \$50,000.00 \$50,000.00	\$100,000.00 \$50,000.00 \$2,982,770.00

Exclusions:	
These estimates are based on current overall costs of works of a simil	nilar scale in a nearby Council.
Estimates are indicative only.	
Excludes cultural heritage advice and supervision	



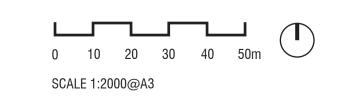


LAYOUT PLAN
OPTION 03

 DRG NO.
 REV
 DATE
 DES/DOC
 A

 SR05 LC01
 B
 20/06/2018
 KM/AC
 A





Items	Qty	Unit	Rate	(P90)	Am	ount (P90)	Spiir	e Rate	Spiire	e Amount
PLAYING FIELDS										
Soccer Field	3	No	\$	585,759.19	\$	1,757,277.56	\$	585,759.19	\$	1,757,277.56
LIGHTING		T	۱ ۵	50,005,70	ΤÀ	204 000 22		450,000,00	4	450,000,00
Lighting Soccer LANDSCAPING	3	No	\$	68,026.78	Ş	204,080.33	\$	150,000.00	\$	450,000.00
Landscaping Level A	35000	m2	\$	30.16	Τς	1,055,484.66	\$	42.00	\$	1,470,000.00
CAR PARKING	33000	1112	 	30.10	1 7	1,033,101.00	Ť	12.00	Ÿ	1,170,000.00
Pavement	5180	m2	\$	100.00	\$	518,000.00	\$	100.00	\$	518,000.00
Kerb & Channel	5180	m2	\$	57.18		296,192.40	\$	57.18	•	296,192.40
Drainage Pipes	550	lm	\$	177.42	_	97,581.00	\$	177.42	\$	97,581.00
Drainage Pits	21	No	\$	2,522.00		52,962.00	\$	2,522.00	\$	52,962.00
Line marking / Signage SITE WORKS	5180	m2/pavemen	ιτ \$	2.80	\$	14,504.00	\$	2.80	\$	14,504.00
Footpaths and paved areas	3000	m2	\$	68.00	\$	204,000.00		150	Ś	450,000.00
SERVICES SERVICES			<u> </u>	00.00	1 +				7	
Stormwater Drainage	1	Item	\$	184,000.00		184,000.00	\$	184,000.00	\$	184,000.00
Sewer	1	Item	\$	11,500.00	_	11,500.00	\$	11,500.00	\$	11,500.00
Water	1	Item	\$	57,500.00	\$	57,500.00	\$	57,500.00	\$	57,500.00
Water Tanks	2	Item	NA	11,500.00	۲	11 500 00	\$	250,000.00	\$	500,000.00
Gas Light & power	1	Item Item	\$ \$	34,500.00	_	11,500.00 34,500.00	\$	11,500.00 34,500.00	\$	11,500.00 34,500.00
Communication	1	Item	\$	149,500.00		149,500.00	\$	149,500.00	\$	149,500.00
Fire	1	Item	\$	34,500.00		34,500.00	\$	34,500.00	\$	34,500.00
MISCELLANEOUS				·				·		
Gates (2 per pitch)	6	Item	\$	600.00		3,600.00	\$	600.00	\$	3,600.00
Works maintenance - 1 year	0	Item	\$	-	\$	-	\$	-	\$	<u>-</u>
Interchange shelter (2 per pitch)	6	Item	\$	11,600.00	_	69,600.00	\$	11,600.00	\$	69,600.00
Fencing (3 pitches) Signage	1050 21	lm No	\$ \$	111.00 367.80	\$	116,550.00 7,723.80	\$	250.00 367.80	\$	262,500.00 7,723.80
Landscape maintenance - 1 year/ 2 summers	1	Item	\$	- 307.80	\$	7,725.80	\$	104,760.00	\$	104,760.00
OTHERS		item	<u> </u>		۱ ۲		Ť	104,700.00	Ψ	10-1,7 00.00
Access Road	1980	m2	\$	162.00	\$	320,760.00	\$	162.00	\$	320,760.00
Playground	1	Item	\$	840,000.00	\$	840,000.00	\$	840,000.00	\$	840,000.00
Community Garden	1	Item	NA		\$	-	\$	500,000.00	\$	500,000.00
Sports Field Irrigation System	18000	m2	\$	5.88	+ -	105,840.00	\$	6.00	\$	108,000.00
Basic Landscaping including top soil-seeding	436.5	m2 No	\$ \$	39.00 312.00		136,188.00	\$	550.00	\$	240,075.00
Tree Planting DELIVERY	430.3	INO	Į Ş	312.00	ļγ	150,166.00	Ş	330.00	Ş	240,075.00
Council Fees	1%	%	Т	3.25	\$	204,208.6721		3.25	\$	277,762.4122
VicRoads Fees	1%	%		0.00	\$	-		0.00	\$	-
Traffic Management	1%	%		2.00	\$	125,666.8751		2.00	\$	170,930.7152
Environmental Management	1%	%		0.50	\$	31,416.7188		0.50	\$	42,732.6788
Survey/Design	1%	%		5.00	\$	314,167.1878		5.00	\$	427,326.7880
Supervision and Project Management Site Establishment	1% 1%	% %		9.00 2.50	\$	565,500.9380 157,083.5939		9.00 2.50	\$	769,188.2184 213,663.3940
Contingency	1%	%		15.00	\$	942,501.5634		15.00	\$	1,281,980.3640
contingency	170	/0	-	13.00	7					1,201,300.3040
TOTALS						,		15.00	т	
TOTALS						,	TOTA		*	
Excluding Delivery					\$	6,283,343.76	тоти		\$	8,546,535.76
Excluding Delivery Including Delivery					\$		TOTA			8,546,535.76 11,730,120.33
Excluding Delivery						6,283,343.76	TOT		\$	
Excluding Delivery Including Delivery	Qty	Unit	Rate	(P90)	\$	6,283,343.76			\$	
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building					\$ Am	6,283,343.76 8,623,889.30 ount (P90)	Spiir	ALS e Rate	\$ \$ Spiire	11,730,120.33 e Amount
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6	420	m2	\$	2,329.67	\$ Am \$	6,283,343.76 8,623,889.30 ount (P90)	Spiir \$	e Rate 2,870.00	\$ \$ Spiire	11,730,120.33 e Amount 1,205,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets	420 40	m2 m2	\$	2,329.67 2,437.44	\$ Am \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78	Spiir \$	e Rate 2,870.00 2,870.00	\$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00 114,800.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms	420 40 80	m2 m2 m2	\$ \$ \$	2,329.67 2,437.44 2,274.11	\$ Am \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89	Spiir \$	2,870.00 2,870.00 2,274.11	\$ Spiire \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets	420 40	m2 m2	\$	2,329.67 2,437.44	\$ Am \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78	Spiir \$	e Rate 2,870.00 2,870.00	\$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00 114,800.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room	420 40 80 100	m2 m2 m2 m2 m2	\$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22	\$ Am \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22	\$ \$ \$ \$ \$ \$	e Rate 2,870.00 2,870.00 2,274.11 2,287.22	\$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00 114,800.00 181,928.89 228,722.22
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet	420 40 80 100 20	m2 m2 m2 m2 m2 m2	\$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22	\$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44	\$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,274.11 2,287.22 2,287.22	\$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00 114,800.00 181,928.89 228,722.22 45,744.44
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas	420 40 80 100 20 30 40	m2 m2 m2 m2 m2 m2 m2 m2	\$ \$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56 2,437.44	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67 97,497.78	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00 3,360.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00 114,800.00 181,928.89 228,722.22 45,744.44 85,200.00 134,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas Canopy & Verandas	420 40 80 100 20 30	m2 m2 m2 m2 m2 m2 m2	\$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00 114,800.00 181,928.89 228,722.22 45,744.44 85,200.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas Canopy & Verandas Site Works	420 40 80 100 20 30 40	m2 m2 m2 m2 m2 m2 m2 m2	\$ \$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56 2,437.44	\$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67 97,497.78	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00 3,360.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00 114,800.00 181,928.89 228,722.22 45,744.44 85,200.00 134,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas Canopy & Verandas Site Works Concrete Paths	420 40 80 100 20 30 40	m2 m2 m2 m2 m2 m2 m2 m2	\$ \$ \$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56 2,437.44	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67 97,497.78	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00 3,360.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00 114,800.00 181,928.89 228,722.22 45,744.44 85,200.00 134,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas Canopy & Verandas Site Works Concrete Paths Lighting	420 40 80 100 20 30 40	m2 m2 m2 m2 m2 m2 m2 m2	\$ \$ \$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56 2,437.44	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67 97,497.78	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00 3,360.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 Pe Amount 1,205,400.00 114,800.00 181,928.89 228,722.22 45,744.44 85,200.00 134,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas Canopy & Verandas Site Works Concrete Paths	420 40 80 100 20 30 40 200	m2 m2 m2 m2 m2 m2 m2 m2	\$ \$ \$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56 2,437.44	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67 97,497.78	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00 3,360.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas Canopy & Verandas Site Works Concrete Paths Lighting Gates/entrances Other-miscellaneous Miscellaneous	420 40 80 100 20 30 40 200	m2 m2 m2 m2 m2 m2 m2 m2 m2	\$ \$ \$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56 2,437.44	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67 97,497.78	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00 3,360.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas Canopy & Verandas Site Works Concrete Paths Lighting Gates/entrances Other-miscellaneous Miscellaneous Building maintenance 1 year	420 40 80 100 20 30 40 200 0 0	m2 m2 m2 m2 m2 m2 m2 m2 m2	\$ \$ \$ \$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56 2,437.44	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67 97,497.78	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00 3,360.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas Canopy & Verandas Site Works Concrete Paths Lighting Gates/entrances Other-miscellaneous Miscellaneous Building maintenance 1 year Landscape maintenance 1 year/2 summers	420 40 80 100 20 30 40 200	m2 m2 m2 m2 m2 m2 m2 m2 m2	\$ \$ \$ \$ \$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56 2,437.44	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67 97,497.78 150,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00 3,360.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00 114,800.00 181,928.89 228,722.22 45,744.44 85,200.00 134,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas Canopy & Verandas Site Works Concrete Paths Lighting Gates/entrances Other-miscellaneous Building maintenance 1 year Landscape maintenance 1 year/2 summers Other-miscellaneous	420 40 80 100 20 30 40 200 0 0	m2 m2 m2 m2 m2 m2 m2 m2 m2	\$ \$ \$ \$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56 2,437.44 750.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67 97,497.78 150,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00 3,360.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas Canopy & Verandas Site Works Concrete Paths Lighting Gates/entrances Other-miscellaneous Miscellaneous Building maintenance 1 year Landscape maintenance 1 year/2 summers Other-miscellaneous Services	420 40 80 100 20 30 40 200 0 0 0 0 0	m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2	\$ \$ \$ \$ \$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56 2,437.44 750.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67 97,497.78 150,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00 3,360.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00 114,800.00 181,928.89 228,722.22 45,744.44 85,200.00 134,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas Canopy & Verandas Site Works Concrete Paths Lighting Gates/entrances Other-miscellaneous Miscellaneous Building maintenance 1 year Landscape maintenance 1 year/2 summers Other-miscellaneous Services Stormwater	420 40 80 100 20 30 40 200 0 0 0 0 0 0 0 0 0 	m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2	\$ \$ \$ \$ \$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56 2,437.44 750.00 3.30	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67 97,497.78 150,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00 3,360.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas Canopy & Verandas Site Works Concrete Paths Lighting Gates/entrances Other-miscellaneous Miscellaneous Building maintenance 1 year Landscape maintenance 1 year/2 summers Other-miscellaneous Services	420 40 80 100 20 30 40 200 0 0 0 0 0	m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2	\$ \$ \$ \$ \$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56 2,437.44 750.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67 97,497.78 150,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00 3,360.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00 114,800.00 181,928.89 228,722.22 45,744.44 85,200.00 134,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas Canopy & Verandas Site Works Concrete Paths Lighting Gates/entrances Other-miscellaneous Miscellaneous Building maintenance 1 year Landscape maintenance 1 year/2 summers Other-miscellaneous Services Stormwater Sewer	420 40 80 100 20 30 40 200 0 0 0 0 0 0 0 0 1% 1%	m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m	\$ \$ \$ \$ \$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56 2,437.44 750.00 3.30 2.03	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67 97,497.78 150,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00 3,360.00 	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 e Amount 1,205,400.00
Excluding Delivery Including Delivery Building and Site works- Pavilion Items Building Change rooms with Toilets and Showers X 6 Umpire Change Rooms with Toilets Storage Rooms Multipurpose Room/Social Room Office/First Aid room Canteen and Kitchen Public Toilet Canopy & Verandas Canopy & Verandas Site Works Concrete Paths Lighting Gates/entrances Other-miscellaneous Miscellaneous Building maintenance 1 year Landscape maintenance 1 year/2 summers Other-miscellaneous Services Stormwater Sewer Water	420 40 80 100 20 30 40 200 0 0 0 0 0 0 0 0 0 	m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m	\$ \$ \$ \$ \$ \$ \$ \$ \$	2,329.67 2,437.44 2,274.11 2,287.22 2,287.22 2,432.56 2,437.44 750.00 3.30 2.03 1.98	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,283,343.76 8,623,889.30 ount (P90) 978,460.00 97,497.78 181,928.89 228,722.22 45,744.44 72,976.67 97,497.78 150,000.00 61,143.3167 61,143.3167 36,593.3486	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,870.00 2,870.00 2,870.00 2,274.11 2,287.22 2,287.22 2,840.00 3,360.00 750.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,730,120.33 Pe Amount 1,205,400.00 114,800.00 181,928.89 228,722.22 45,744.44 85,200.00 134,400.00

Communication	1%	%	0.50	\$ 9,264.1389	0.50	\$ 10,730.9778
DELIVERY						
Council Fees	1%	%	3.25	\$ 60,216.9028	3.25	\$ 69,751.3555
VicRoads Fees	1%	%	1.00	\$ 18,528.2778	1.00	\$ 21,461.9556
Traffic Management	1%	%	2.00	\$ 37,056.5555	2.00	\$ 21,461.9556
Environmental Management	1%	%	0.50	\$ 9,264.1389	0.50	\$ 10,730.9778
Survey/Design	1%	%	5.00	\$ 92,641.3889	5.00	\$ 107,309.7778
Supervision and Project Management	1%	%	9.00	\$ 166,754.5000	9.00	\$ 193,157.6000
Site Establishment	1%	%	2.50	\$ 46,320.6944	2.50	\$ 53,654.8889
Contingency	1%	%	15.00	\$ 277,924.1666	15.00	\$ 321,929.3333
TOTALS	TOTALS					
Excluding Delivery & Services				\$ 1,852,827.78		\$ 2,146,195.56
Including Delivery & Services				\$ 2,802,216.73		\$ 3,197,080.21

Combined totals including Delivery & Services	\$ 11,426,106.04	\$ 14,927,200.54

Exclusions

Maintenance- to be confirmed by council extent of maintenance

Internal fitouts- kitchen etc.

Note that P90 totals do not include items outside of the original VPA allocations. i.e. orange highlighted areas (community gardens etc.)

Final sizing and preferences to be finalised by council

All works (outside of Pavilion & Sta	dium)								
Items	Qty	Unit	Rate	(P90)	Amount (P90)	Sp	iire Rate	Spiir	re Amount
PLAYING FIELDS	.,,			, ,	, ,	ΠĖ		<u> </u>	
Football Field	1	No	\$	907,601.25	\$ 907,601.25	\$	1,100,000.00	\$	1,100,000.00
Cricket Pitch	1	No	\$	21,952.11	\$ 21,952.11	\$	21,952.11		21,952.11
Netball Court	8	No	\$	51,675.20	\$ 413,401.62	\$	51,675.20		413,401.62
Tennis Court Lawn Bowls	6 2	No No	\$	64,055.58	\$ 384,333.48 \$ -	\$	75,000.00 200,000.00	\$	450,000.00 400,000.00
LIGHTING		INO			-	Ş	200,000.00	ļ	400,000.00
Lighting Netball Court	8	No	\$	23,000.00	\$ 184,000.00	\$	32,500.00	\$	260,000.00
Lighting Tennis	6	No	\$	18,112.50	\$ 108,675.00	\$	26,500.00	\$	159,000.00
Lighting Football	1	No	\$	119,811.86	\$ 119,811.86		500,000.00	\$	500,000.00
Lawn Bowls	2	No	\$	-	\$ -	\$	75,000.00	\$	150,000.00
LANDSCAPING	45500	2	Τċ	20.16	¢ 1.272.120.0¢	,	42.00	٦ ۲	1 011 000 00
Landscaping Level A CAR PARKING	45500	m2	\$	30.16	\$ 1,372,130.06	\$	42.00	\$	1,911,000.00
Pavement	7500	m2	\$	100.00	\$ 750,000.00	\$	100.00	\$	750,000.00
Kerb & Channel	7500	m2	\$	57.18	\$ 428,850.00	\$	57.18	<u> </u>	428,850.00
Drainage Pipes	750	lm	\$	177.42	\$ 133,065.00	\$	177.42	\$	133,065.00
Drainage Pits	28	No	\$	2,522.00	\$ 70,616.00	\$	2,522.00	\$	70,616.00
Linemarking / Signage	7500	m2/pavement	: \$	2.80	\$ 21,000.00	\$	2.80	\$	21,000.00
SITE WORKS	4000	m2	Τċ	68.00	\$ 272,000.00	\$	150.00	Τċ	600,000,00
Footpaths and paved areas SERVICES	4000	mz	\$	68.00	\$ 272,000.00	Ş	150.00	\$	600,000.00
Stormwater Drainage	1	Item	\$	184,000.00	\$ 184,000.00	\$	184,000.00	\$	184,000.00
Sewer	1	Item	\$	11,500.00	\$ 11,500.00	\$	11,500.00	\$	11,500.00
Water	1	Item	\$	57,500.00	\$ 57,500.00	\$	57,500.00	\$	57,500.00
Water Tanks	1	Item	NA			\$	250,000.00	\$	250,000.00
Gas	1	Item	\$	11,500.00	\$ 11,500.00	\$		\$	11,500.00
Light & power Communication	1	Item	\$	34,500.00	\$ 34,500.00 \$ 149,500.00	\$	34,500.00	_	34,500.00
Fire	1 1	Item Item	\$	149,500.00 34,500.00	\$ 149,500.00 \$ 34,500.00	\$	149,500.00 34,500.00	\$ \$	149,500.00 34,500.00
MISCELLANEOUS		item	1 7	34,300.00	34,300.00	1	34,300.00	1 7	34,300.00
Gates	12	Item	\$	600.00	\$ 7,200.00	\$	600.00	\$	7,200.00
Works maintenance - 1 year		Item	\$	-	\$ -	\$	-	\$	-
Interchange shelter (4 per oval)	4	Item	\$	11,600.00	\$ 46,400.00	\$	11,600.00	\$	46,400.00
Fencing	1270	lm	\$	111.00	\$ 140,970.00	\$	250.00	\$	317,500.00
Signage Landscape maintenance - 1 year/ 2 summers	50	No Item	\$	367.80	\$ 18,390.00 \$ -	\$	367.80 94,680.00	\$	18,390.00
OTHERS		item	٦	-	, -	Ş	94,080.00	٦	-
Access Road	1980	m2	\$	162.00	\$ 320,760.00	\$	162.00	\$	320,760.00
Playground	1	Item	\$	840,000.00	\$ 840,000.00	\$	840,000.00	\$	840,000.00
Community Garden	1	Item	NA		\$ -	\$	500,000.00	\$	500,000.00
Skate Park	1	Item	NA		\$ -	\$	500,000.00	\$	500,000.00
Sports Field Irrigation System	20106	m2	\$	5.88 39.00	\$ 118,223.28 \$ -	\$	6.00	\$	120,636.00
Basic Landscaping including top soil-seeding Tree Planting	394.5	m2 No	\$	312.00	\$ 123,084.00	\$	550.00	\$	216,975.00
DELIVERY	33 1.3	110	<u> </u>	312.00	Ţ 123,00 1100		330.00	1 4	213,373.00
Council Fees	1%	%	T	3.25	\$ 236,777.5691	П	3.25	\$	357,166.7364
VicRoads Fees	1%	%		0.00	\$ -		0.00	\$	-
Traffic Management	1%	%		2.00	\$ 145,709.2733	4	2.00	\$	219,794.9147
Environmental Management	1%	%		0.50	\$ 36,427.3183	#	0.50	\$	54,948.7287
Survey/Design Supervision and Project Management	1% 1%	% %	-	5.00 9.00	\$ 364,273.1832 \$ 655,691.7298	╫	5.00 9.00	\$ \$	549,487.2867 989,077.1161
Site Establishment	1%	%		2.50	\$ 182,136.5916	╫	2.50	\$	274,743.6434
Contingency	1%	%		15.00	\$ 1,092,819.5497	Ħ	15.00	\$	1,648,461.8602
<i>,</i>					•				, ,
					TOTAL			_	TOTAL
Excluding Delivery					\$ 7,285,463.66	Ц_		\$	10,989,745.73
Including Delivery					\$ 9,999,298.88	Ш_		\$	15,083,426.02
Building and Site works- Pavilion									
Items	Qty	Unit	Rate	(P90)	Amount (P90)	Sp	iire Rate	Spiir	re Amount
Building	1.50		Τ	2 222 57	A 070 746 67		2.272.22		450,000,00
Change rooms with Toilets and Showers X 4 Umpire Change Rooms with Toilets	160 15	m2 m2	\$	2,329.67 2,437.44	\$ 372,746.67 \$ 36,561.67	\$		\$	459,200.00 43,050.00
Storage Rooms Storage Rooms	80	m2 m2	\$	2,437.44	\$ 36,561.67	\$	•		181,928.89
Multipurpose Room/Social Room	100	m2	\$	2,287.22	\$ 228,722.22	\$	•	4	228,722.22
Office/First Aid room	20	m2	\$	2,287.22		-		.	45,744.44
Canteen and Kitchen	30	m2	\$	2,432.56	\$ 72,976.67	\$	2,840.00		85,200.00
Public Toilet	40	m2	\$	2,437.44	\$ 97,497.78	\$	3,360.00	\$	134,400.00
Canopy & Verandas	455	1	_ ^	750.00	¢ 446.070.55		752.00	۱,۸	446.050.65
Canopy & Verandas Site Works	155	m2	\$	750.00	\$ 116,250.00	\$	750.00	\$	116,250.00
Concrete Paths	0	m2	\$	-	\$ -	\$	-	\$	<u>-</u>
Lighting	0	m2	\$	-	\$ -	\$	-	\$	-
Gates/entrances	0	m2	\$	-	\$ -	\$		\$	-
Other-miscellaneous	0	m2	\$	<u>-</u>	\$ -	\$	-	\$	-
Miscellaneous	0	1	,		1			<u> </u>	
Building maintenance 1 year		_	\$		\$ -	\$		\$	

Landscape maintenance 1 year/2 summers	0		\$ -	\$	- 1	\$ -	\$ -
Other-miscellaneous	0		\$ -	\$	_	\$ -	\$ -
Services			Υ	Ψ		Υ	Ť
Stormwater	1%	%	3.30	\$ 38,0	030.13	3.30	\$ 42,718.3533
Sewer	1%	%	2.03		336.67	2.03	\$ 26,213.5350
Water	1%	%	1.98		760.46	1.98	\$ 25,566.2872
	1%	%	0.88			0.88	
Gas		%	0.66		141.37	0.66	
Fire Protection	1%				606.03		'
Light and Power	1%	%	2.38		370.17	2.38	\$ 30,744.2694
Communication	1%	%	0.50	\$ 5,	762.14	0.50	\$ 6,472.4778
DELIVERY				T 4			
Council Fees	1%	%	3.25		453.92	3.25	\$ 42,071.1055
VicRoads Fees	1%	%	1.00		524.28	1.00	\$ 12,944.9556
Traffic Management	1%	%	2.00		048.57	2.00	\$ 25,889.9111
Environmental Management	1%	%	0.50		762.14	0.50	\$ 6,472.4778
Survey/Design	1%	%	5.00		621.42	5.00	\$ 64,724.7778
Supervision and Project Management	1%	%	9.00	\$ 103,	718.55	9.00	\$ 116,504.6000
Site Establishment	1%	%	2.50	\$ 28,8	810.71	2.50	\$ 32,362.3889
Contingency	1%	%	15.00	\$ 172,8	864.25	15.00	\$ 194,174.3333
TOTALS						TOTALS	
Excluding Delivery & Services				\$ 1,152,4	428.33		\$ 1,294,495.56
Including Delivery & Services				\$ 1,728,7			\$ 1,941,290.26
Building and Site works- Indoor Sta	dium			<u>, , , , , , , , , , , , , , , , , , , </u>			
			la . /===:	1		Ia	
Items	Qty	Unit	Rate (P90)	Amount (P90)		Spiire Rate	Spiire Amount
Building							
Change rooms with Toilets and Showers X 8		m2		\$	-		\$ -
Umpire Change Rooms with Toilets		m2		\$	-		\$ -
Storage Rooms		m2		\$	-		\$ -
Multipurpose Room/Social Room		m2		\$	-		\$ -
Office/First Aid room		m2		\$	-		\$ -
Canteen and Kitchen		m2		\$	-		\$ -
Public Toilet		m2		\$	-		\$ -
Indoor Netball Courts (8x)	5200	m2		\$	_	\$ 1,800.00	\$ 9,360,000.00
Indoor Tennis Courts (6x)	1560	m2		\$	_	\$ 1,800.00	
Amenities/Change Room (8x)	560	m2		\$	_	\$ 2,870.00	\$ 1,607,200.00
Store Rooms	60	m2		\$	_	\$ 2,260.00	\$ 135,600.00
Staff Area/offices	40	m2		\$	_	\$ 2,520.00	\$ 100,800.00
·				•			'
Foyer/entry	120	m2		\$	-	\$ 2,380.00	\$ 285,600.00
Canteen and Kitchen	60	m2		\$	-	\$ 2,850.00	\$ 171,000.00
		m2		\$	-		\$ -
		m2		\$	-		\$ -
		m2		\$	-		\$ -
Canopy & Verandas							
Canopy & Verandas	0	m2		\$	-		\$ -
Site Works							
Concrete Paths	0	m2		\$	-	\$ -	\$ -
Lighting	0	m2		\$	-	\$ -	\$ -
Gates/entrances	0	m2		\$	-	\$ -	\$ -
Other-miscellaneous	0	m2		\$	-	\$ -	\$ -
Miscellaneous							
Building maintenance 1 year	0			\$	-	\$ -	\$ -
Landscape maintenance 1 year/2 summers	0			\$	-	\$ -	\$ -
Other-miscellaneous	0			\$	_	\$ -	\$ -
Services] *		T	ı '
Stormwater	1%	%		\$	_	3.30	\$ 477,450.6000
Sewer	1%	%		\$	<u> </u>	2.03	\$ 477,430.6000
Water	1%	%		\$		1.98	\$ 292,981.0500
water Gas	1%	<u>%</u> %			-	0.88	· · ·
				\$,
Fire Protection	1%	%		\$	-	0.66	\$ 95,490.1200
Light and Power	1%	%		\$	-	2.38	\$ 343,619.7500
Communication	1%	%		\$	-	0.50	\$ 72,341.0000
DELIVERY							
Council Fees	1%	%		\$	-	3.25	\$ 470,216.5000
VicRoads Fees	1%	%		\$	-	1.00	\$ 144,682.0000
Traffic Management	1%	%		\$	-	2.00	\$ 289,364.0000
Environmental Management	1%	%		\$	-	0.50	\$ 72,341.0000
Survey/Design	1%	%		\$	-	5.00	\$ 723,410.0000
Supervision and Project Management	1%	%		\$	-	9.00	\$ 1,302,138.0000
Site Establishment	1%	%		\$	-	2.50	\$ 361,705.0000
Contingency	1%	%		\$	-	15.00	\$ 2,170,230.0000
TOTALS						TOTALS	, 1,=13.000
Excluding Delivery & Services				\$	-		\$ 14,468,200.00
Including Delivery & Services				\$	_		\$ 21,697,236.13
merading belivery & services				7			Z1,031,Z30.13

11,727,538.03

38,721,952.41

Exclusions

Maintenance- to be confirmed by council extent of maintenance

Combined totals including Delivery & Services

Internal fitouts- kitchen etc.

Note that P90 totals do not include items outside of the original VPA allocations. i.e. orange highlighted areas (community gardens etc.)

Final sizing and preferences to be finalised by council

Indoor Sports Centre- subject to size and council expectations