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Acknowledgement of Country

The Mayor, Councillors and staff of the City of Cockburn acknowledge the Whadjuk Nyungar people of Beeliar boodja as the traditional custodians of this land. We pay our respect to the Elders, past and present.

Munster Development Contribution Plan Report

Note: This report does not form part of the planning scheme but provides the rationale and justification for the Development Contribution Plan (DCP), the calculation of costs, and the cost apportionment schedule specifying the costs for each owner.

Development Contribution Area

The Development Contribution Area (DCA) is shown on the Scheme Map as: 'DCA 6'

Purpose

The purpose of the DCP Report is to:

- a) enable the applying of infrastructure contributions for the development of new, and the upgrade of existing infrastructure which is required as a result of increased demand generated in the DCA
- b) provide for the equitable sharing of the costs of infrastructure and administrative items between owners
- c) ensure that cost contributions are reasonably required as a result of the subdivision and development of land in the DCA
- d) coordinate the timely provision of infrastructure

The DCP provides for the sharing of costs associated with widening and upgrading Beeliar Drive (Mayor Road) between Stock Road and Cockburn Road, Munster.

DCP 6 relates to development undertaken in the following planning areas:

- Development Area 1 (Packham)
- Development Area 5 (Munster)

Period of the plan

10 years commencing 20 October 2023 to 30 June 2033.

The plan may also be extended for further periods (with or without modification) by subsequent Scheme Amendments.

Operation of DCP

DCP 6 has been prepared in accordance with the provisions of TPS 3 and SPP 3.6. It came

into effect upon the gazettal of Amendment 197 to TPS 3 on 12 December 2002.

DCP 6 operates in accordance with TPS 3 and requires landowners to make a financial contribution towards the construction of Beeliar Drive (Mayor Road) between Stock Road

and Cockburn Road.

The requirement to contribute under DCP 6 would typically arise as a condition of

subdivision approval, however it may occur through other arrangements as specified in

clause 5.3.14 of TPS 3.

DCP 6 is operational in the same area as DCP 13, which relates to community infrastructure.

Landowners will be required to satisfy their contribution obligations under both DCPs.

Application requirements

Where an application for subdivision, strata subdivision, development or an extension of

land use is lodged which relates to land to which this plan applies, the local government

shall take the provisions of the plan into account in making a recommendation on or

determining that application.

Items included in the plan

The DCP provides for 23.40% of the total cost of land and works associated with

constructing Beeliar Drive (Mayor Road), between Stock Road and Cockburn Road, to be

equitably distributed between all developing landowners within the DCA.

The following infrastructure items are included in the DCP as set out in Table 10 of TPS 3:

• Land requirements for the Other Regional Road Reservation between Stock Road

and Cockburn Road as reserved in the Metropolitan Region Scheme (MRS)

Additional land where necessary to accommodate channelisation at intersections and

drainage

Full earthworks

Construction of a two-lane kerbed road

• Dual use path (both sides)

Pedestrian crossings

Lighting

Landscaping

4

- Traffic management devices
- Drainage
- Servicing infrastructure relocation where necessary
- Costs to administer cost sharing arrangements including preliminary engineering design and costings, valuations, annual reviews, and audits
- Costs for the repayment of any loans raised by the local government for the purchase of any land for the road reserve or any of the abovementioned works.

The cost of infrastructure includes all the initial capital costs associated with the provision of the infrastructure item and excludes ongoing maintenance and operating costs of the infrastructure.

These works are required to support additional traffic demand generated from development undertaken within the DCA.

A map detailing the location of the infrastructure in relation to the DCA is included in <u>Annex 1 Maps</u>.

Estimated costs

The overall estimated cost of the infrastructure works is **\$10,030,514.08** (as of 16 October 2023).

A detailed summary of the cost breakdown for each infrastructure item is included in <u>Table 1 Summary Sheet</u> and <u>Annex 3 Schedule of Costs</u>.

The costs allocated to this DCP have been derived based on preliminary concept plans and will need to be reviewed when detailed briefs and plans have been prepared.

The estimated cost of the infrastructure item will be reviewed at least annually. If during the year more detailed costings have been prepared, then these would be adopted in preference to broad based estimates. In all other instances the cost estimates will be adjusted to reflect current pricing and the cost indexed based on the Building Cost Index or other appropriate index as approved by an appropriately qualified independent person.

The percentage contingencies applied to the estimates is at the higher end when the design is still in early phases with the intention they reduce as certainty over design and costs become more certain.

Details of infrastructure designs upon which costs are based, are included in <u>Annex 5 Infrastructure Project Design</u>.

Method of calculating contribution

All landowners within DCA 6 shall make a proportional contribution of 23.4% of the cost of widening and upgrading of Beeliar Drive (Mayor Road) between Stock Road and Cockburn

Road, Munster.

The proportional contribution is to be determined in accordance with the provisions of clause

5.3 of TPS 3.

Contributions shall be calculated on a per hectare basis.

The adopted contribution rate of DCP 6 is \$191,577.96/ha, and has been determined as

follows:

Contribution Rate (\$/ha) = (Total DCP Cost – Reserve Balance) / Net Developable

Area (42.1261 ha)

Calculation of an owner's contribution will be based on area of land developed, multiplied

by the applicable contribution rate for the DCP in which the land is situated, as follows:

Owner's Cost Contribution = Contribution Rate x Area of Subject Site

A summary of the overall estimated cost is included in Table 1 Summary Sheet.

Beeliar Drive Land Acquisition

An allowance of 23.40% of the total cost of acquiring land identified under the MRS for 'Other Regional Roads' as per DCP6 is **\$6,576,507.58** as calculated in accordance with the valuation rates (\$/m²) as set out in Table 2 Beeliar Drive Land Costs and in accordance with

the following formula:

Land Acquisition Cost = MRS Reserved Area x Valuation Rate $(\$/m^2)$ + 10% Solatium

x 23.40%

Beeliar Drive Construction

As part of DCP 6, and allowance of 23.40% of the total estimated cost of \$35,178,450.76 is made for the widening and upgrading of Beeliar Drive (Mayor Road) between Stock Road

and Cockburn Road, Munster.

The following formula was used to calculate the DCP6 share:

6

DCP 6 Contribution = Total Cost of Construction × 23.40%

A summary of the cost breakdown for each infrastructure item is included in <u>Table 3 Beeliar</u> <u>Drive Construction Cost</u> and <u>Annex 3 Schedule of Costs</u>.

Priority and timing of delivery

The widening and upgrading of Beeliar Drive (Mayor Road) between Stock Road and Cockburn Road, Munster, are a significant capital works project, the priority and timing for which is determined by the following:

- a) City of Cockburn Strategic Community Plan <u>Strategic Community Plan 2020-2030</u> previously the City's Plan for the District
- b) City of Cockburn Long Term Financial Plan (LTFP) 2020-21 to 2029-30 provides a ten year view of the financial position of the City
- c) City of Cockburn Regional Major Roadworks Map

Construction works for this project are forecast to be delivered within 10 years, informed by timing of subdivision and development where practical.

Details of the proposed timing and delivery is outlined in <u>Annex 4 Capital Expenditure Plan</u> (CEP).

Note: these timeframes are subject to change.

Payment of contributions

Payment of contributions are in accordance with the provisions of clause 5.3.14 of TPS 3:

5.3.14.1 The owner, with the agreement of the local government, is to pay the owner's cost contribution by

- i. cheque or cash
- ii. transferring to the local government or a public authority land in satisfaction of the cost contribution
- iii. the provision of physical infrastructure
- iv. some other method acceptable to the local government; or
- v. Any combination of these methods.

5.3.14.2 The owner, with the agreement of the local government, may pay the owner's cost contribution in a lump sum, by instalment or in such other manner acceptable to the local government.

5.3.14.3 Payment by an owner of the cost contribution, including a cost contribution based upon estimated costs in a manner acceptable to the local government constitutes full and final discharge of the owner's liability under the development contribution plan and the local government shall provide certification in writing to the owner of such discharge if requested by the owner.

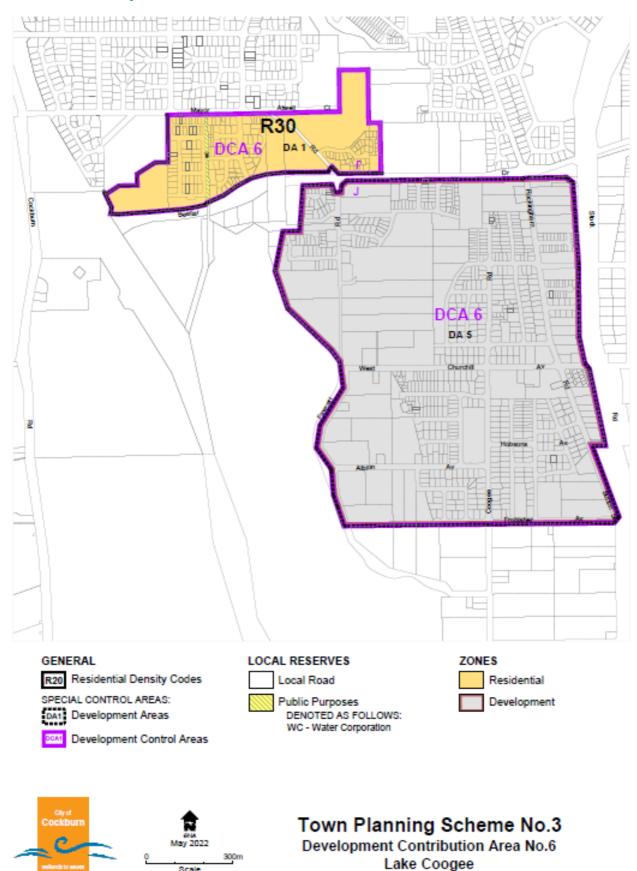
Review

The plan will be reviewed five years from the date of gazettal of the local planning scheme or amendment to the local planning scheme to incorporate the plan, or earlier should the local government consider it appropriate, having regard to the rate of development in the area and the degree of development potential still existing.

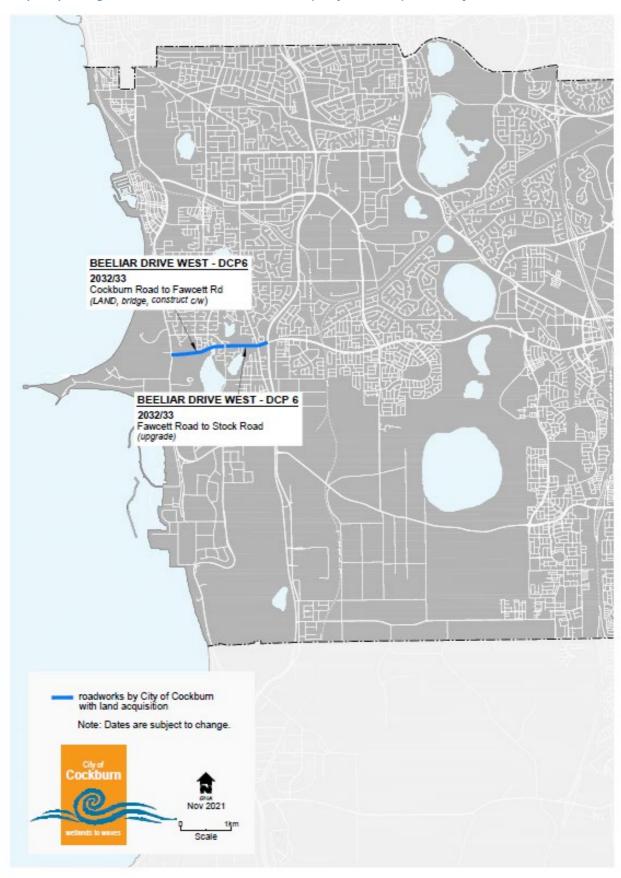
Annexes

- 1. Maps
- 2. Cost Apportionment Schedule (CAS)
- 3. Schedule of Costs
- 4. Capital Expenditure Plan (CEP)
- 5. Infrastructure Project Design

Annex 1 - Maps



Map depicting the location of Beeliar Drive (Mayor Road) the subject of DCA6



Annex 2 – Cost Apportionment Schedule (CAS)

Table 1 Summary Sheet

DCA6 Munster - Cost Apportionment Schedule (CAS)					
Description					
All owners of land within DCA 6 are required to make a proportional contribution to 23.4% of the total cost of widening, upgrading and constructing Beeliar Drive (Mayor Road) between Stock Road and Cockburn Road Munster.					
Land Acquisition for Beeliar Drive					
Prorata contribution of 23.4% land acquisition	Schedule 1	1,565,752.77			
Construction of Beeliar Drive					
Prorata contribution of 23.4% of the total construction cost	Schedule 2	8,264,813.49			
Administration Costs	Schedule 3				
General		199,947.82			
	Total	10,030,514.08			

Total Cost

Original Area* 96.8306 10,030,514.08

Less previous Contributions as per Schedule 4 54.7045

Net land area 42.1261

Less available funds \$1,960,080.15

Balance \$8,070,433.93

Contribution for the area for which contributions are yet to be made \$191,577.96

Table 2 Beeliar Drive Land Costs

Schedule 1 - Beeli	Schedule 1 - Beeliar Drive Land Costs							
Lot address	Property #	Land area	Land Value	Solatium	Market Value	Pro rata	Actual	
Lot address	Froperty #	taken (m²)	(\$/m ²)	Solatium	Land taken	23.40%	Actual	
Mrs Reserve								
Lot 1 Cockburn Road	3317055	21621	35.00	75,670.00	832,405.00	194,782.77		
Lot 504 Mayor Road		1.3357			2,865,060.00	670,424.04	670,424.04	
Pt 701 Mayor Road	3309256	2039	97.00	19,780.00	217,563.00	50,909.74		
Pt 1 Fawcett Road	3309155	634	200.00	12,680.00	139,480.00	32,638.32		
Lot 22 Rockingham Rd	3309817	350	220.00	7,700.00	84,700.00	19,819.80		
Lot 51 Mayor Road	3309809	161	200.00	3,220.00	35,420.00	8,288.28		
Lot 50 Mayor Road		0.0185			26,410.00	6,179.94	6,179.94	
Lot 2 Mayor Road	3309055	402	195.00	7,840.00	86,230.00	20,177.82		
Lot 16 Mayor Road	3309707	148	195.00	2,890.00	31,750.00	7,429.50		
Lot 14 Mayor Road	3309027	181	195.00	3,530.00	38,825.00	9,085.05		
Lot 1000 Beeiar Drive	3309772	3144	350.00	110,040.00	1,210,440.00	283,242.96		
Lot 500 (22) Mayor Rd	3300007	26	200.00	520.00	5,720.00	1,338.48		
Lot 507 Mayor Rd	6016802	395	35.00	1,383.00	15,208.00	3,558.67		
Lot 506 Mayor Rd	6016801	67	35.00	235.00	2,580.00	603.72		
Lot 1 Mayor Road		0.0080			12,000.00	2,808.00	2,808.00	
Lot 500 Mayor Road		0.2486			204,780.00	47,918.52	47,918.52	
Lot 501 Mayor Road		0.3013			246,570.00	57,697.38	57,697.38	
Pt 502 Mayor Road		0.3927			341,400.00	79,887.60	79,887.60	
Pt 503 Mayor Road		0.3569			40,270.00	9,423.18	9,423.18	
Lot 1 Mayor Road		0.0010			0.00	13,988.85	13,988.85	
Lot 12 Mayor Road		0.0065			0.00	12,861.15	12,861.15	
Lot 505 Mayor Road		0.0287			139,696.58	32,689.00	32,689.00	
	Totals	29170.6979	1,957.00		6,576,507.58	1,565,752.77		

Table 3 Beeliar Drive Construction Cost

Schedule 2 - Beeliar Drive Construction Costs							
Description	Actual	Estimated	Total	Prorata			
Description	Cost	Cost	Cost	23.40%			
Preliminary design and estimates -GHD Consulting Engineers (2/00)							
Environmental Assessment Stage 1 - ATA Consultants	4,765.00		4,765.00	1,115.01			
Environmental Assessment Stage 2 - ATA Consultants	36,500.00		36,500.00	8,541.00			
Environmental PER - Ecologica		100,000.00	100,000.00	23,400.00			
Estimated construction cost - GHD Consulting Engineers	35,178,450.76	8,231,757.48					
		Totals	35,178,450.76	8,264,813.49			

Table 4 Administration Costs

Conord		Total
General		Cost
Traffic Assessment	Uloth & Assoc Dec 00	11,145.00
Traffic Assessment	Uloth & Assoc Feb 02	1,200.00
Engineering Costs		5,755.00
Road design and cost review	GHD Consulting Engineers Feb 02	12,525.00
Road design review	GHD Consulting Engineers Aug 02	1,500.00
Initial Valuations	Jeff Spencer and Assoc Feb 00	1,250.00
Revaluations	Mc Gees March 02	3,600.00
Revaluations	Mc Gees June 04	1,750.00
Road design and cost review	GHD Consulting Engineers June 04	3,460.00
Administration cost	City of Cockburn (03/04)	3,000.00
Audit costs	Barrett and Partners	440.00
Road design and cost review	GHD Consulting Engineers June 05	1,500.00
Revaluations	Mc Gees June 05	750.00
Administration cost	City of Cockburn (04/05)	3,000.00
Administration cost	City of Cockburn (05/06)	3,000.00
Road design and cost review	GHD Consulting Engineers June 06	2,500.00
Revaluations	Mc Gees June 06	833.33
Road design and cost review	GHD Consulting Engineers June 07	2,500.00
Revaluations	Mc Gees June 07	625.00
Administration cost	City of Cockburn (06/07)	3,000.00
Revaluations	McGees (06/08)	835.00
Road design and cost review	GHD (05/08)	2,707.50
Audit costs	Macri (04/05, 05/06, 06/07)	1,200.00
Administration cost	City of Cockburn (07/08)	3,000.00
Revaluations	McGees (06/09)	625.00
Road design and cost review	GHD (6/09)	2,700.00
Audit costs	Grant Thornton (07/08)	228.58
Administration cost	City of Cockburn (08/09)	3,120.00
Administration cost	City of Cockburn (09/10)	4,000.00
Audit costs	Grant Thornton (09/10)	229.00
Administration cost	City of Cockburn (10/11)	4,000.00
Revaluations	McGees (09/10)	733.00
Road design and cost review	GHD (09/10)	2,970.00
Revaluations	McGees (2012)	733.00
Road design and cost review	GHD (02012)	2,970.00
Annual land revaluations	McGees (June 2013)	2,750.00
Annual review of construction costs	GHD consulting Engineers (2013)	9,078.00
Audit costs	2013	330.00
Administration	2013	5,310.00
Annual land revaluations	McGees (June 2014)	1,950.00
Annual review of construction costs	GHD consulting Engineers (2014)	5,880.00
Audit costs	2014	220.00
Admin	2014	3,807.00
Annual land revaluations	McGees	2,200.00

Annual review of construction costs	GHD consulting Engineers	5,192.00
Audit costs	2015	207.00
Administration	2015	2,433.00
Annual land revaluations	McGees	1,393.92
Annual review of construction costs	GHD consulting Engineers	4,450.00
Audit costs	2015	216.16
Administration	2015	2,517.71
Annual land revaluations	McGees (2016/17)	1,554.20
Audit costs	2016/17	375.14
Administration	2016/17	1,695.42
Audit costs	2017/18	480.91
Annual land valuations	McGees (2018/19)	1,485.00
Audit costs	2018/19	398.18
Annual review of construction costs	GHD (2018/19)	4,059.00
Administration	2018/19	1,729.32
Annual land valuations	McGees (2019/20)	1,485.00
Audit costs	2019/20	403.64
Annual review of construction costs	GHD (2019/20)	3,168.00
Administration	2019/20	1,729.32
Professional Costs	2020/21	6,093.00
Administration Costs	2020/21	1,955.29
Audit Costs	2020/21	407.27
Professional Costs	2021/22	6,271.00
Administration Costs	2021/22	1,955.29
Audit	2021/22	383.64
Professional Costs	2022/23	11,000.00
Administration Costs	2022/23	12,000.00
Audit Costs	2022/23	
	Totals	199,947.82

Table 5 Contribution Register

Schedule 4 - Contribution Register							
Owner	Date Area Value of land vested		Contribution made	Total			
Van Wees & Phillips Lot 505 Mayor Rd	Apr-03	0.4227	8,791.83		8,791.83		
Zuvella Lot 14 Rockingham Rd	Apr-03	0.0874		1,817.85	1,817.85		
Mastaglia Lot 121 Mayor Rd Homestead lot	Jun-04	0.1040	2,163.12				
Interest 03/04					78.03		
Urban Focus -Woodman Village	Jan-05	4.4286		105,705.37	105,705.37		
Swanette P/L	Jun-05	4.3251		102,459.20	102,459.20		
Interest 04/05					3,596.16		
Urban Focus - Packham Stage 15	Apr-06	4.9688	118,599.30		118,599.30		
Interest 05/06					12,223.78		
Foweljeff lot 17 Rockingham Road	Sep-06	2.0967		79,457.09	79,457.09		
Oreb Lot 21 Rockingham Road	Sep-06	0.8081		30,385.22	30,385.22		
Australian Landbank Lot 704 Fawcett house lot	May-07	0.1400		6,817.44	6,817.44		
Australian Landbank Lot 4 Fawcett house lot	May-07	0.1371		6,676.22	6,676.22		

Interest 06/07				7,194.54
VP Jakocevic Lot 12 West Churchill	Jan-08	2.1151	87,482.65	87,482.65
Interest adjustment 07/08				-849.75
Feymore Pty Ltd Lots 28 & 29 Rockingham Rd	Sep-08	0.6935	29,696.37	29,696.37
Lake Coogee Estate Mgt Fawcett Rd Stages 1&2	May-09	3.5971	183,653.54	183,653.54
Interest 08/09				2,472.79
Interest 09/10				5,567.83
Coburg Nominees - Lake Coogee Gdns				
Estate	Sep-09	0.8160	25,682.46	25,682.46
Coburg Nominees - Lots 2 and 104 W/Churchill	Apr-10	6.8165	220,145.68	220,145.68
Coburg Nominees (refund for overpayment)			-118,937.57	-118,937.57
Interest 10/11				8,742.21
Interest 11/12				20,637.25
Lot 1 (west) and Lot 9500 Mayor Rd, Munster	Aug-11	1.2061	42,398.74	42,398.74
Barek/Carrello & Others 74 West Churchill	Ţ.	0.2246	10 560 49	10 560 49
Ave	Jun-13	0.2246	10,560.48	10,560.48
Lot 504 Mayor Road - stage 1	Feb-13	1.8823	88,503.98	88,503.98
Interest 12/13				22,783.66
Lot 1 Mayor Road E & G Developments	Nov-13	0.7122	48,365.76	48,365.76
Lots 3 & 4 West Churchill Avenue	Dec-13	0.2380	17,603.99	17,603.99
Lot 504 Mayor Road - stage 2	Nov-13	2.3625		-495,678.51
Lots 3 & 4 West Churchill Avenue	Jan-14	1.2938	95,697.68	95,697.68
Lots 3 & 4 West Churchill Avenue	Mar-14	0.4455	32,952.01	32,952.01
Lot 25 Rockingham Road Munster	Jun-14	0.0948	7,012.01	7,012.01
Lot 18 Rockingham Road Munster	Jul-14	1.3562	100,313.18	100,313.18
68 West Churchill Avenue Munster	Jul-14	0.1212	8,964.72	8,964.72
Interest (13/14)			,	14,405.40
Lots 3 & 4 West Churchill Avenue (road	Nov-14	0.2196	16,243.01	16,243.01
reserve)	M 45	4.0404		
Lot19 (599) Rockingham Road Munster	Mar-15	1.3184	106,317.12	106,317.12
Lot 24 (614) Rockingham Road Munster	May-15	0.2868	23,127.84	23,127.84
Interest (14/15)		0.0750	00.400.44	14,627.94
Lot 116 (622) Rockingham Road	Jul-15	0.2752	22,192.41	22,192.41
Lot 6 West Churchill Avenue	Sep-15	0.2484	20,311.65	20,311.65
600 Rockingham Road Munster	Oct-15	0.3812	31,170.70	31,170.70
107 Hobsons Avenue Munster	Feb-16	1.1761	96,169.63	96,169.63
602 Rockingham Road Munster	Apr-16	0.3536	28,913.85	28,913.85
Lot 802 Mayor Road Munster	Jun-16	1.2231	100,012.76	100,012.76
587 Rockingham Road Munster	Jun-16	0.9500	77,681.44	77,681.44
Interest 15/16				19,543.55
81 Mayor Road Munster	Aug-16	0.1790	14,837.00	14,837.00
612 Rockingham Road Munster	Nov-16	0.3015	24,990.82	24,990.82
Interest 16/17				25,027.78
Lot 9010 (22) Fawcett Road Munster	Jul-17	0.0646	5,538.11	5,538.11
Lot 9010 Fawcett Road Munster (Stage 2)	Oct-17	0.7327	62,813.84	62,813.84
Lot 52 Mayor Road Munster (POS)	May-18	0.4256	26,241.86	26,241.86
Lot 52 Mayor Road Munster (Stage 2) - DP413272	May-19	0.5814	70,854.72	70,854.72
Interest 2017/18				25,245.21

Lot 35 (590) Rockingham Road Munster	Mar-20	0.8890		110,112.21	110,112.21
Lot 812 (8) Fawcett Road Munster - DP419345	Jul-20	1.5396		190,695.86	190,695.86
Interest 2018/19					27,493.95
Interest 2019/20					16,080.92
Lot 9001 Mayor Road Lake Coogee - DP413302	Aug-21	0.5940		72,177.44	72,177.44
Lot 6 (630) Rockingham Road - SP84284	Nov-21	0.2245		34,198.82	34,198.82
Interest 2020/21					12,170.33
Lot 2 (7) Fawcett Road Lake Coogee	Oct-22	1.0117		154,115.57	154,115.57
Lot 5 (626) Rockingham Road Lake Coogee	Jan-23	0.2346		42,469.04	42,469.04
Interest 2021/22					5,939.41
			-	_	
	Total	54.7045	129,554.25	2,544,599.77	\$2,419,293.38

Annex 3 - Schedule of Costs

999 Hay Street, Level 10 Perth, Western Australia 6000 Australia www.ghd.com



Our ref: 12616786

10 August 2023

Rickie Long City of Cockburn 9 Coleville Crescent Spearwood WA 6163

DCP6 - Beeliar Drive Extension High-level Cost Indication Review 2023/24

Dear Rickie,

GHD is pleased to re-submit this high-level development cost estimate services and documentation for DCP6 – Beeliar Drive Extension.

This high-level cost estimate has been prepared by GHD for City of Cockburn (the City) and may only be used and relied on by the City for the purpose agreed between GHD and the City. GHD otherwise disclaims responsibility to any person other than the City arising in connection with this high-level cost estimate. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The opinions, conclusions and any recommendations in this high-level cost estimate are based on conditions encountered and information reviewed at the date of preparation of the cost estimate. GHD has no responsibility or obligation to update this cost estimate to account for events or changes occurring subsequent to the date that the cost estimate was prepared.

GHD has prepared this cost estimate based on information provided by the City and others who provided information to GHD, which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the cost estimate that were caused by errors or omissions in that information.

We look forward to working with the City again on other projects. Should you have any queries regarding this cost estimate please do not hesitate to contact us.

Regards,

Araya Beylefeld Project Manager

+61 8 6222 8711

Document Set ID: 11837383 Version: 1, Version Date: 14/03/2024 MAIN ROADS
Western Australia

BEELIAR DRIVE EXTENSION COST INDICATION - August 2023

SUMMARY

SCHEDULE No. 1 - GENERAL ITEMS		\$4,327,261.98
SCHEDULE No. 2 - ROADWORKS		
SERIES 300 - EARTHWORKS	\$2,539,168.12	
SERIES 400 - DRAINAGE	\$1,808,243.96	
SERIES 500 - PAVEMENT & SURFACING	\$1,862,995.10	
SERIES 600 - TRAFFIC FACILITIES	\$192,121.92	
SERIES 700 - ELECTRICAL & LIGHTING	\$767,522.06	
SERIES 900 - MISCELLANEOUS	\$591,352.96	\$7,761,404.13
SCHEDULE No. 3 - PROVISIONAL SUMS		\$990,000.00
BILL No. 1 - BRIDGE OVER WETLANDS		
SERIES 800 BRIDGES & MAJOR STRUCTURES		\$13,009,296.02
CONTNGENCY ROADWORKS (15% approx)		\$1,408,268.19
eeliar Drive Extension		\$3,141,901.50
TOTAL CONSTRUCTION COSTS		\$30,638,131.82
PROFESSIONAL FEES ETC.		
ROADWORKS DESIGN & CONTRACT ADMINISTRATION (10	1%)	\$938,845.46
BRIDGE DESIGN & CONTRACT AMINISTRATION (20%)		\$3,141,901.50
COUNCIL SUPERVISION FEES (1.5%)		\$459,571.98
GST EXCLUSIVE TOTAL ESTIMATED COST		\$35,178,450.76
ESTIMATED GST PAYABLE (10%)		\$3,517,845.08
TOTAL ESTIMATED DEVELOPMENT COST (incl GST)		\$38,696,295.84

Contract No. 124226 Page 2

SCHEDULE No. 1 - GENERAL ITEMS

Item	Description	Unit	Qty	Rate	Amount
	CONDITIONS OF CONTRACT				
GCC	GENERAL CONDITIONS OF CONTRACT				
GCC.01	Insurances in accordance with the General Conditions of Contract	Item	1	\$249,014.48	\$249,014.48
GCC.02	Contractor's superintendence during the execution of the Works	Item	1	\$1,886,330.00	\$1,886,330.00
GCC.03	All charges, costs and obligations relating to the General Conditions of Contract not provided for elsewhere	Item	1	\$77,280.00	\$77,280.00
	SPECIAL CONDITIONS OF CONTRACT				
SCC.01	All charges, costs and obligations relating to the Special Conditions of Contract not provided for elsewhere	Item	1	\$78,750.00	\$78,750.00
	SERIES 100 - GENERAL REQUIREMENTS				
101.00	DESCRIPTION OF WORKS				
101.01	Provision of access for others to undertake works	Item	1		\$0.00
101.02	Contractors programs	Item	1	\$57,487.50	\$57,487.50
101.03	Project works sign	No.	2	\$2,750.00	\$5,500.00
	102 SURVEY INFORMATION				
102.01	Survey information, control and setting out of the works	Item	1	\$344,925.00	\$344,925.00
	103 SITE FACILITIES				
103.01	Contractors Site Facilities Provision of Contractor's site facilities	Item	1	\$71,400.00	\$71,400.00
103.02	Maintenance of Contractor's site facilities	Item	1	\$111,510.00	\$111,510.00
103.03	Removal of Contractor's site facilities	Item	1	\$35,400.00	\$35,400.00
103.04	Contractor's Plant Mobilisation and demobilisation of Contractor's plant	Item	1		\$0.00
103.05	Superintendent's Site Facilities Provision of the Superintendent site facilities	Item	1	\$2,400.00	\$2,400.00
103.06	Maintenance of the Superintendent site facilities	Item	1		\$0.00
103.07	Removal of the Superintendent site facilities	Item	1	\$3,450.00	\$3,450.00
103.08	Superintendent's Living Facilities Provision of the Superintendent living facilities	Item	1		\$0.00
103.09	Maintenance of the Superintendent living facilities	Item	1		\$0.00
103.10	Removal of the Superintendent living facilities	Item	1		\$0.00
103.11	Superintendent's meals	M/day			\$0.00
103.12	Superintendent's Vehicles Provision of Superintendent's 4x4 dual cab utility vehicle	No.	1	\$0.00	\$0.00
	104 ENTRY TO LAND				

104.01	Entry to land	Item	1		\$0.00
	106 UTILITIES AND SERVICES				
106.01	Liaison, programming, location and protection of utilities and services	Item	1	\$26,250.00	\$26,250.00
106.02	Relocation of utilities and services	Item	1		\$0.00
	107 CONTRACT SPECIFIC REQUIREMENTS - WORKING IN THE RAILWAY RESERVE				
107.01	Establishment, implementation and audit of an approved railway safety management plan and additional railway safety sub plans as required.	Item	1		\$0.00
107.02	Complying with railway regulations including having accredited Protection Officers on site as required during the works.	Item	1		\$0.00
107.03	Operations within the railway reserve.	Item	1		\$0.00
	SERIES 200 - MANAGEMENT REQUIREMENTS				
	202 - TRAFFIC				
202.01	Traffic management	Item	1	\$2,625.00	\$2,625.00
202.02	Traffic control devices	Item	1	\$64,675.00	\$64,675.00
202.03	Traffic controllers	Item	1	\$1,215,815.00	\$1,215,815.00
202.04	Construction, maintenance and removal of sidetracks, access tracks, temporary driving surfaces and temporary pedestrian accesses	Item	1	\$0.00	\$0.00
202.05	Maintenance of existing roads	Item	1	\$0.00	\$0.00
	203 - OCCUPATIONAL SAFETY AND HEALTH				
203.01	Occupational safety and health including safety and health plans and safety and health audits	Item	1	\$83,950.00	\$83,950.00
	204 - ENVIRONMENTAL MANAGEMENT				
204.01	Construction Environmental Management Plan	Item	1	\$10,500.00	\$10,500.00
	To Summary				\$4,327,261.98

Schedule No. 2 - Roadworks

MAIN ROADS Western Australia					Roadworks
ltem	Description	Unit	Qty	Rate	Amount
	SERIES 300 - EARTHWORKS				
	301 - VEGETATION CLEARING AND DEMOLITION				
301.01	Vegetation clearing	ha	4.3	\$15,336.64	\$65,947.57
301.02	Topsoil removal	ha	3.9	\$12,977.16	\$50,610.92
	302 - EARTHWORKS				
	REMOVAL OF REDUNDANT ITEMS				
302.01	Removal of redundant pavement including seal	m²	8,500	\$30.68	\$260,763.05
302.02	EMBANKMENT CONSTRUCTION Allowance for earthworks (based on area of surfacing)	m²	24,800	\$41.67	\$1,033,436.90
	SUBGRADE				
302.03	Subgrade	m²	27,800	\$6.93	\$192,648.54
302.04	Subgrade to principal shared path	m²	3,400	\$7.70	\$26,179.26
	303 - MATERIAL AND WATER SOURCES				
303.01	WATER SUPPLIES		1		
303.01	Water supplies	Item	1	\$ 540,200.00	\$ 540,200.00
	304 - LANDSCAPING AND REVEGETATION / REVEGETATION / REHABILITATION OF DISTURBED AREAS				
304.01	TOPSOILING Respread topsoil	ha	1.4	\$10,789.58	\$15,105,41
304.01		na	1.5	\$10,708.00	\$10,100.41
304.02	OTHER REVEGETATION AND LANDSCAPING Allowance for Landscaping	m²	13,650	\$25.95	\$354,276.47
	To Summary				\$2,539,168.12

MAIN ROADS Western Australia					Roadworks
Item	Description	Unit	Qty	Rate	Amount
	SERIES 400 - DRAINAGE				
	404 - CULVERTS				
404.01	Allowance for stormwater drains & culverts (based on area of surfacing)	m²	24,800	\$59.03	\$1,464,005.33
	406 - ROCK PROTECTION				
406.01	Grouted rock protection to embankments	m²	500	\$247.54	\$123,769.66
	407 - KERBING				
407.01	Kerbs type SM1	m	7,000	\$31.50	\$220,468.97
	To Summary				\$1,808,243.96

MAIN ROADS Western Australia					Roadworks
ltem	Description	Unit	Qty	Rate	Amount
	SERIES 500 - PAVEMENT & SURFACING				
	501 - PAVEMENTS				
501.01	SUBBASE 175mm thick gravel subbase	m²	23.570	\$17.48	\$412,060.11
501.02	225mm thick gravel subbase	m²	4,250	\$24.52	\$104,211.46
	BASECOURSE				
501.03	75mm thick gravel basecourse	m²	23,570	\$11.58	\$272,903.07
501.04	100mm thick gravel basecourse	m²	4,250	\$13.48	\$57,290.11
501.05	PRINCIPAL SHARED PATH 150mm thick gravel basecourse	m²	3,400	\$16.35	\$55,579.45
	504 - ASPHALT WEARING COURSE				
	ROADWORKS				
504.01	Tack coat	m²	23,600	\$1.04	\$24,500.88
504.02	30mm thick dense graded asphalt	m²	15,500	\$31.43	\$487,175.56
504.03	40mm thick dense graded asphalt	m²	3,000	\$32.73	\$98,185.19
504.04	30mm thick dense graded coloured asphalt	m²	4,470	\$37.92	\$169,499.10
504.05	40mm thick dense graded coloured asphalt	m²	630	\$39.22	\$24,706.70
504.06	BRIDGEWORKS Tack coat	m²	1,200	\$1.04	\$1,245.81
504.07	50mm dense graded asphalt on bridge deck	m²	1,200	\$34.03	\$40,831.34
	PRINCIPAL SHARED PATHS				
504.08	Tack coat	m²	3,400	\$1.04	\$3,529.79
504.09	25mm Thick dense graded coloured asphalt	m²	3,400	\$32.73	
	To Summary				\$1,862,995.10
	SERIES 600 - TRAFFIC FACILITIES				
	601 - SIGNS				
601.01	Allowance for signage (based on area of surfacing)	m²	24,800	\$5.17	\$128,149.46
	604 - PAVEMENT MARKING				
604.01	Allowance for pavement markings (based on area of surfacing)	m²	24,800	\$2.58	\$63,972.47
	To Summary				\$192,121.92
	ı			1	I

MAIN ROADS Western Australia					Roadworks
Item	Description	Unit	Qty	Rate	Amount
	SERIES 700 - ELECTRICAL & LIGHTING				
	701 - ROADWAY LIGHTING				
701.01	LIGHTING POLES Concrete base for single outreach arm pole	No.	10	\$1,354.82	\$13,548.16
701.02	Concrete base for twin outreach arm pole	No.	35	\$1,531.30	\$53,595.67
701.03	Galvanised steel light pole complete with single outreach arm	No.	10	\$3,146.70	\$31,467.02
701.04	Galvanised steel light pole complete with twin outreach arms	No.	35	\$3,655.56	\$127,944.68
701.05	Roadway lighting luminaire fixed to lighting pole outreach arm	No.	80	\$1,563.72	\$125,097.75
701.08	CONDUITS, CABLING AND PITS Conduits 80mm Diameter heavy duty PVC conduit in trench	m	1,936	\$26.05	\$50,423.43
701.07	Cabling ? Core ?mm diameter cabling to lighting poles	m	2,386	\$14.44	\$34,462.38
701.08	Connection to consumer mains	Item	1	\$9,732.87	\$9,732.87
701.09	Pits Cable pit type ?	No.	19	\$506.11	\$9,798.27
	712 - TRAFFIC SIGNALS				
712.01	Allowance for traffic signals - Stock Road / Beeliar Drive	Item	1	\$311,451.84	\$311,451.84
	To Summary				\$767,522.06
MAIN ROADS Vestem Australia	' 	ı	'		Roadworks
Item	Description	Unit	Qty	Rate	Amount
	SERIES 900 - MISCELLANEOUS				
	901 - CONCRETE - GENERAL WORKS				
901.01	100mm Thick concrete medians etc.	m²	5,750	\$102.84	\$591,352.96
	To Summary				\$591,352.96
					\$7,761,404.13

Schedule No.3 - Provisional Sums

MAIN ROADS
Western Australia

Item	Description	Unit	Qty	Rate	Amount
	PROVISIONAL SUMS				
	SERVICES				
PS.01	Allow the Provisional Sum of \$95,000.00 (Ninty Five Thousand Dollars) for the relocation of 800m of existing phone line	P.S.	1	\$95,000.00	\$95,000.00
PS.02	Allow the Provisional Sum of \$90,000.00 (Ninty Thousand Dollars) for the relocation of 800m of existing water main	P.S.	1	\$90,000.00	\$90,000.00
PS.03	Allow the Provisional Sum of \$215,000.00 (Two Hundred and Fifteen Thousand Dollars) for the relocation of 200m of existing 600mm dia presured sewer main	P.S.	1	\$215,000.00	\$215,000.00
PS.04	Allow the Provisional Sum of \$365,000.00 (Three Hundred and Sixty Five Thousand Dollars) for the relocation of 200m of existing 900mm dia presured sewer main	P.S.	1	\$365,000.00	\$365,000.00
PS.05	Allow the Provisional Sum of \$50,000.00 (Fifty Thousand Dollars) for the removal of existing power poles on north side of Beeliar Drive	P.S.	1	\$50,000.00	\$50,000.00
PS.06	Allow the Provisional Sum of \$50,000.00 (Fifty Thousand Dollars) for the possible upgrade of lighting at Stock Road	P.S.	1	\$50,000.00	\$50,000.00
PS.07	Allow the Provisional Sum of \$35,000.00 (Thirty Five Thousand Dollars) for ATCO engineer to supervise works within vacinity of gas lime	P.S.	1	\$35,000.00	\$35,000.00
PS.08	Allow the Provisional Sum of \$45,000.00 (Forty Five Thousand Dollars) for the relocation of 4 bus stops	P.S.	1	\$45,000.00	\$45,000.00
PS.09	Allow the Provisional Sum of \$45,000.00 (Forty Five Thousand Dollars) for the possibility of 2 new bus stops around Hamilton road	P.S.	1	\$45,000.00	\$45,000.00
	To Summary				\$990,000.00

Bill No. 1 - Bridge Over Wetlands

MAIN ROAE Vestern Austra	-				Bridge
Item	Description	Unit	Qty	Rate	Amount
	SERIES 800 - BRIDGES AND MAJOR ST	RUCTI	JRES		
	801 - EXCAVATION AND BACKFILL FOR STRUC	TURES			
801.01	STRUCTURAL EXCAVATION Abutments And Approach Slabs Abutment footing excavation not exceeding ? m deep commencing at existing ground level	m3	300	\$87.65	\$26,294.28
801.02	Piers Pier footing excavation not exceeding ? m deep commencing at existing ground level	m3	900	\$87.65	\$78,882.83
801.03	EMBANKMENT CONSTRUCTION Preparation, levelling and trimming embankment construction to receive wingwall footing	m2	50	\$17.04	\$852.24
	812 - BORED PILES				
812.01	GENERAL Mobilisation and demobilisation of piling plant	Item	1	\$69,520.50	\$69,520.50
812.02	ABUTMENTS AND APPROACH SLABS Supply 600 diameter steel pile casings and deliver to site including unloading, storing and fabricating complete (In 28 No. piles)	m	560.00	\$603.06	\$337,714.50
812.03	Extra over previous item for the additional cost of providing and installing pile shoe to the base of all ples	No	28	\$289.67	\$8,110.73
812.04	Preparation, handling & pitching of 600 diameter steel pile casings	No	28		INCL
812.05	Install 600 diameter steel pile casings	m	560	\$72.17	\$40,412.95
812.06	Excavate within pile casings and remove to spoil, including all necessary dewatering and cleaning out prior to pouring of concrete complete	m3	159	\$717.64	\$114,104.27
812.07	Excavate below pile casings to form rock socket and remove to spoil, including all necessary dewatering and cleaning out prior to pouring of concrete complete	m3	40	\$717.64	\$28,705.48
812.08	Bars in abutment piles	t	29.85	\$3,428.57	\$102,342.69
812.09	Concrete class ?? In-fill to 600 Diameter pile casings	m3	159	\$407.48	\$64,789.77
812.10	Concrete class ?? in rock socket below steel pile casing poured against ground	m3	40	\$407.48	\$16,299.31
812.11	Cutting off top of 600 diameter pile and preparing head for bonding into structure	No.	28		INCL

Contract No. 124225 Page 1

MAIN ROAD Western Austra	_				Bridge
Item	Description	Unit	Qty	Rate	Amount
812.12	Pile load testing	No	2	\$9,732.87	\$19,465.74
812.13	ABUTMENTS AND APPROACH SLABS Supply 600 diameter steel pile casings and deliver to site including unloading, storing and fabricating complete (In 70 No. piles)	m	1,400.00	\$603.06	\$844,286.24
812.14	Extra over previous item for the additional cost of providing and installing pile shoe to the base of all ples	No	70	\$289.67	\$20,276.81
812.15	Preparation, handling & pitching of 600 diameter steel pile casings	No	70		INCL
812.16	Install 600 diameter steel pile casings	m	1,400	\$72.17	\$101,032.38
812.17	Excavate within pile casings and remove to spoil, including all necessary dewatering and cleaning out prior to pouring of concrete complete	m3	396	\$717.64	\$284,184.23
812.18	Excavate below pile casings to form rock socket and remove to spoil, including all necessary dewatering and cleaning out prior to pouring of concrete complete	m3	99	\$717.64	\$71,046.06
812.19	Bars in abutment piles	t	74.25	\$3,428.57	\$254,571.00
812.20	Concrete class ?? In-fill to 600 Diameter pile casings	m3	396	\$407.48	\$161,363.20
812.21	Concrete class ?? in rock socket below steel pile casing poured against ground	m3	99	\$407.48	\$40,340.80
812.22	Cutting off top of 600 diameter pile and preparing head for bonding into structure	No.	70		INCL
812.23	Pile load testing	No	5	\$9,732.87	\$48,664.35
	819 - FALSEWORK				
819.01	Provision and erection of falsework	Item	1	\$57,933.75	\$57,933.75
819.02	Maintenance of falsework	Item	1		incl
819.03	Removal of falsework	Item	1		incl
	820 - CONCRETE FOR STRUCTURES				
	ABUTMENTS AND APPROACH SLABS Plain Insitu Concrete Class ?				
820.01	50 Blinding layer under abutment footing (In ? m2)	m3	5	\$940.20	\$4,700.98
820.02	50 Blinding layer under abutment capbeam (In 38 m2)	m3	2	\$940.20	\$1,880.39

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MAIN ROAD Western Austra					Bridge
Item	Description	Unit	Qty	Rate	Amount
820.03	50 Blinding layer under wingwall (In 60 m2)	m3	3	\$940.20	\$2,820.59
820.04	50 Blinding layer under approach slab (In 192 m2)	m3	10	\$940.20	\$9,401.95
820.05	Reinforced Insitu Concrete Class ? Abutment footing	m3	100	\$1,038.82	\$103,882.17
820.06	Abutment column	m3	11	\$1,038.82	\$11,427.04
820.07	Abutment capbeam	m3	23	\$1,038.82	\$23,892.90
820.08	Wingwall	m3	33	\$1,038.82	\$34,281.11
820.09	Approach slab	m3	48	\$1,038.82	\$49,863.44
820.10	Dual use path	m3	4	\$982.05	\$3,928.19
820.11	PIERS Plain Insitu Concrete Class ? 50 Blinding layer under pier footing (In 300 m2)	m3	15	\$940.20	\$14,102.93
820.12	Reinforced Insitu Concrete Class ? Pier footing	m3	450	\$1,038.82	\$467,469.75
820.13	Pier column	m3	47	\$1,038.82	\$48,824.62
820.14	DECK Reinforced Insitu Concrete Class ? Deck slab, diaphragms and beams	m3	530	\$1,038.82	\$550,575.48
820.15	Dual use path	m3	45	\$982.05	\$44,192.10
	821 - FORMWORK				
	ABUTMENTS AND APPROACH SLABS Formwork Class ?				
821.01	Sides of abutment footing	m2	90	\$280.49	\$25,244.28
821.02	Sides of abutment column, curved on plan	m2	57	\$280.49	\$15,988.05
821.03	Sides of abutment capbeam	m2	49	\$280.49	\$13,744.11
821.04	Sides of wingwall	m2	124	\$280.49	\$34,781.01
821.05	Sides of approach slab	m2	25	\$280.49	\$7,012.30
	PIERS Formwork Class ? Sides of pier footing	m2	345	\$280.49	\$96,769.76
821.07	Sides of pier column, curved on plan	m2	248	\$280.49	\$69,562.03
	DECK Formwork Class ?				
Contract No. 12	4226				Page 16

MAIN ROAD	_				Bridge
Item	Description	Unit	Qty	Rate	Amount
821.08	Sides of deck slab and upstand	m2	104	\$280.49	\$29,171.17
821.09	Sides and soffit of diaphragm	m2	181	\$280.49	\$50,769.06
821.10	Sides of kerb/edge beam	m2	48	\$280.49	\$13,463.62
821.11	Permanent Steel Formwork ? Bondek to soffit of deck slab	m2	612	\$299.96	\$183,574.16
	822 - STEEL REINFORCEMENT				
	ABUTMENTS AND APPROACH SLABS Reinforcing Bars				
822.01	Bars in abutment footing	t	15.00	\$3,540.24	\$53,103.62
822.02	Bars in abutment column	t	1.65	\$3,540.24	\$5,841.40
822.03	Bars in abutment capbeam	t	4.60	\$3,540.24	\$16,285.11
822.04	Bars in wingwall	t	4.95	\$3,540.24	\$17,524.19
822.05	Bars in approach slab	t	7.20	\$3,540.24	\$25,489.74
822.06	PIERS Reinforcing Bars Bars in pier footing	t	67.50	\$3,540.24	\$238,966.29
822.07	Bars in pier column	t	7.05	\$3,540.24	\$24,958.70
822.08	DECK Reinforcing Bars Bars in deck slab, diaphragms and beams	t	106.00	\$3,540.24	\$375,265.58
822.09	Reinforcing Fabric ? Fabric in dual use path	m2	300	\$17.52	\$5,255.75
828.01	828 - PRECAST CONCRETE MEMBERS Precast Prestressed Concrete "Tee Roff" Beams 20m Long "Tee Roff" beam	No.	36	\$158,498.40	\$5,705,942.31
829.01	Precast Concrete Parapet Panels Parapet panel type ?, ? long	m	260	\$1,158.68	\$301,255.50
	603 - SAFETY BARRIER SYSTEMS FOR STRUCTURES				
603.01	BARRIER 3 rail RHS traffic barrier system for structure	m	310	\$1,861.30	\$577,003.12
	833 - BALUSTRADES AND HANDRAILS				
833.01	BALUSTRADES Galvanised and painted balustrade (complete system)	m	130	\$685.19	\$89,075.23
Contract No. 12	1 24226	I	I	ı l	Page 17

MAIN ROAD					Bridge
Item	Description	Unit	Qty	Rate	Amount
	860 - BRIDGE BEARINGS				
860.01	BRIDGE BEARINGS ? Diameter x ? elastomeric laminated rubber bearing including galvanised ? O.D. x ? CHS socket cast into concrete, ? diameter galvanised dowel ? long, dry pack mortars, forming horizontal recess, etc.	No.	72	\$4,368.74	\$314,549.12
860.02	APPROACH SLAB BEARINGS Approach slab bearing comprising ? x ? x ? polyethylene sheet (HDPE), ? x ? x ? rubber bearing pad, galvanised dowel cap cast into approach slab and ? diameter galvanised dowel ? long cast into deck slab all as Drawing ?	m	39	\$5,483.95	\$213,874.08
	870 - COMPRESSION JOINT SEAL				
870.01	? Compression seal including galvanised expansion joint edging with anchor straps cast into concrete and galvanised cover plates all as Drawing ? (In ? No. expansion joints)	m	39	\$1,444.25	\$56,325.89
	875 - WATERPROOF MEMBRANE				
875.01	ABUTMENTS AND APPROACH SLABS Waterproof membrane to approach slabs	m2	192	\$95.51	\$18,337.84
875.02	DECK Waterproof membrane to deck slab	m2	2,298	\$95.51	\$219,481.02
	908 - ANTI-GRAFFITI - BRIDGES/MAJOR STRUCTURES				
908.01	ABUTMENTS AND APPROACH SLABS Anti-graffiti coating to exposed surfaces of abutment wall and wingwalls	m2	56	\$33.88	\$1,897.26
	407 - KERBING				
407.01	? x ? Overall precast concrete kerb laid on deck slab including mortar bed and all necessary insitu infill	m	500	\$34.76	\$17,380.13
	MISCELLANEOUS				
M.01	Allowance for miscellaneous expansion joints and conduits	Item	1	\$28,966.88	\$28,966.88
	To Summary				\$13,009,296.02

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SCHEDULE OF PRICES

FOR

BEELIAR DRIVE EXTENSION

	DEA COURTINA				_	5475	
ITEM	DESCRIPTION GENERAL CONDITIONS OF CONTRACT	UNIT		QUANTITY	⊢	RATE	Current Rates
	SELECTE CONTINUE OF CONTINUE				\vdash		
GCC.01	Insurances in accordance with the General Conditions of Contract	Item		1	\$	249,014.48	\$249,014.48
GCC.02	Contractor's superintendence during the execution of the Works	Item		1	_	1,888,330.00	\$1,886,330.00
	Construction Manager	weekly	36.50	6,950	_	253,675.00	
	Project Engineer	weekly	146.00	5,198 5,670	ş	758,835.00 827,820.00	
	Supervisor As Con Drawings	Item	146.00	46,000	5	46,000.00	
	70 COT DIGHTS	The state of the s		40,000	Ť	40,000.00	
GCC.03	All charges, costs and obligations relating to the General Conditions of Contract not provided for elsewhere	Item		1	*	77,280.00	\$77,280.00
	Mobilisation of Personel	No	60	294	\$	17,640.00	
	Mobilisation of Plant	No	20	1,050	Ş	21,000.00	
	De-Mobilisation of Personel De-Mobilisation of Plant	No No	60 20	294 1,050	\$	17,640.00 21,000.00	
	Devicorisation of Plant	NO	20	1,050	*	21,000.00	
	SPECIAL CONDITIONS OF CONTRACT						
SCC.01	All charges, costs and obligations relating to the Special Conditions of	Item		1	#	78,760.00	\$78,750.00
	Contract not provided for elsewhere				Ĺ		
	Testing		300	263	Ş	78,750.00	
	Aboriginal heritage	\vdash	1	0	ş	-	
	SERIES 100 - GENERAL REQUIREMENTS						
	DESCRIPTION OF WORKS				\vdash		
	DESCRIPTION OF PROPERTY				\vdash		
101.02	Contractors programs	Item		1	#	57,487.60	\$67,487.60
	Planner		10.95	5,250	Ş	57,487.50	
101.03	Desirat weeks also	No		_	-	3.750.00	FC COO DO
101.03	Project works sign	No.		2	\$	2,750.00	\$5,500.00
	102 SURVEY INFORMATION						
		-					
102.01	Survey information, control and setting out of the works	Item		1	ş	344,925.00	\$344,925.00
	103 SITE FACILITIES				<u> </u>		
	Contractors Site Facilities	-			\vdash		
103.01	Provision of Contractor's site facilities	Item		1	*	71,400.00	\$71,400.00
	Provision of Site Offices & Crib Rooms	No	8	1,050	\$	8,400.00	
	Laydown Area	m2	1000	53	Ş	52,500.00	
	Site Fencing and Hoarding	m	500	21	ş	10,500.00	
103.02	Maintenance of Contractor's site facilities	Item		1	\$	111,610.00	\$111,510.00
	Cleaning Offices - Peggy	weekly	73.00	1,470	\$	107,310.00	****
	Accommodation - Average 30men for Duration	nightly	0	130	\$	-	
	Remedials to cabins prior to handover	Item	8			4,200.00	
		IOC111	,	525	\$		
103.03	Removal of Contractor's site facilities		_		Ė	36,400,00	\$35.400 DD
103.03	Removal of Contractor's site facilities Removal of Site Offices & Crib Rooms	Item No		525	\$	35,400.00 8,400.00	\$36,400.00
103.03	Removal of Contractor's site facilities Removal of Site Offices & Crib Rooms Remediation of Laydown area	Item		525	#		\$35,400.00
103.03	Removal of Site Offices & Crib Rooms Remediation of Laydown area	Item No	8	525 1 1,050	\$	8,400.00	\$35,400.00
	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities	No m2	8	1 1,050 27	* 50 50	8,400.00 27,000.00	
	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities Provision of the Superintendent site facilities	Item No m2	8 1000	525 1 1,050 27	\$ 5 5	8,400.00 27,000.00 2,400.00	\$36,400.00 \$2,400.00
103.06	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities	No m2	8	1 1,050 27	* 50 50	8,400.00 27,000.00	
103.06	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities Provision of the Superintendent site facilities Provision of Site Offices & Crib Rooms Hardstanding to Front of Office	Item No m2 Item No m2	8 1000	525 1 1,050 27 1 1,050	* * * *	8,400.00 27,000.00 2,400.00 1,050.00	\$2,400.00
103.06	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities Provision of the Superintendent site facilities Provision of Site Offices & Crib Rooms	Item No m2 Item No	8 1000	525 1 1,050 27 1 1,050	* * * *	8,400.00 27,000.00 2,400.00 1,050.00	
103.06 103.06 103.07	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities Provision of the Superintendent site facilities Provision of Site Offices & Crib Rooms Hardstanding to Front of Office Maintenance of the Superintendent site facilities Removal of the Superintendent site facilities	Item No m2 Item No m2 Item Item Item	8 1000 1 50	525 1 1,050 27 1 1,050 27	* 5 5	2,400.00 27,000.00 2,400.00 1,050.00 1,350.00 3,460.00	\$2,400.00
103.06 103.06 103.07	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities Provision of the Superintendent cite facilities Provision of Site Offices & Crib Rooms Hardstanding to Pront of Office Maintenance of the Superintendent site facilities Removal of the Superintendent cite facilities Removal of Site Offices & Crib Rooms	Item No m2 Item No m2 Item No m2 Item No	8 1000 1 50	525 1 1,050 27 1 1,050 27 27	* 5 5	8,400.00 27,000.00 2,400.00 1,050.00 1,350.00 3,460.00 2,100.00	\$2,400.00 INCL
103.06 103.06 103.07	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities Provision of the Superintendent site facilities Provision of Site Offices & Crib Rooms Hardstanding to Front of Office Maintenance of the Superintendent site facilities Removal of the Superintendent site facilities	Item No m2 Item No m2 Item Item Item	8 1000 1 50	525 1 1,050 27 1 1,050 27	* 5 5	2,400.00 27,000.00 2,400.00 1,050.00 1,350.00 3,460.00	\$2,400.00 INCL
103.06 103.06 103.07	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities Provision of the Superintendent cite facilities Provision of Site Offices & Crib Rooms Hardstanding to Pront of Office Maintenance of the Superintendent site facilities Removal of the Superintendent cite facilities Removal of Site Offices & Crib Rooms	Item No m2 Item No m2 Item No m2 Item No	8 1000 1 50	525 1 1,050 27 1 1,050 27 27	* 5 5	8,400.00 27,000.00 2,400.00 1,050.00 1,350.00 3,460.00 2,100.00	\$2,400.00 INCL
103.06	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities Provision of the Superintendent site facilities Provision of Site Offices & Crib Rooms Hardstanding to Front of Office Maintenance of the Superintendent site facilities Removal of the Superintendent site facilities Removal of Site Offices & Crib Rooms Remediation of Laydown area	Item No m2 Item No m2 Item No m2 Item No	8 1000 1 50	525 1 1,050 27 1 1,050 27 27	* 5 5	8,400.00 27,000.00 2,400.00 1,050.00 1,350.00 3,460.00 2,100.00	\$2,400.00 INCL
103.06 103.06 103.07	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities Provision of the Superintendent site facilities Provision of Site Offices & Crib Rooms Hardstanding to Front of Office Maintenance of the Superintendent site facilities Removal of the Superintendent site facilities Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Living Facilities	Item No m2 Item No m2 Item No m2 Item No m2	8 1000 1 50	525 1 1,050 27 1 1,050 27 27	* 5 5	8,400.00 27,000.00 2,400.00 1,050.00 1,350.00 3,460.00 2,100.00	\$2,400.00 INCL \$3,450.00
103.06 103.06 103.07 103.08	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities Provision of the Superintendent site facilities Provision of Site Offices & Crib Rooms Hardstanding to Pront of Office Maintenance of the Superintendent site facilities Removal of the Superintendent site facilities Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Living Facilities Provision of the Superintendent living facilities	Item No m2 Item No m2 Item No m2 Item Item Item Item Item	8 1000 1 50	525 1 1,050 27 1 1,050 27 27	* 5 5	8,400.00 27,000.00 2,400.00 1,050.00 1,350.00 3,460.00 2,100.00	\$2,400.00 INCL \$3,450.00
103.06 103.06 103.07 103.08 103.09	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities Provision of the Superintendent site facilities Provision of Site Offices & Crib Rooms Hardstanding to Pront of Office Maintenance of the Superintendent site facilities Removal of the Superintendent site facilities Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Living Facilities Provision of the Superintendent living facilities Maintenance of the Superintendent living facilities Removal of the Superintendent living facilities	Item No m2 Item No m2 Item No m2 Item Item Item Item Item	8 1000 1 50	525 1 1,050 27 1 1,050 27 27	* 5 5	8,400.00 27,000.00 2,400.00 1,050.00 1,350.00 3,460.00 2,100.00	\$2,400.00 INCL \$3,450.00 \$0.00
103.06 103.06 103.07 103.08 103.09	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities Provision of the Superintendent site facilities Provision of Site Offices & Crib Rooms Hardstanding to Front of Office Maintenance of the Superintendent site facilities Removal of the Superintendent site facilities Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Living Facilities Provision of the Superintendent living facilities Maintenance of the Superintendent living facilities	Item No m2	8 1000 1 50	525 1 1,050 27 1 1,050 27 27	* 5 5	8,400.00 27,000.00 2,400.00 1,050.00 1,350.00 3,460.00 2,100.00	\$2,400.00 INCL \$3,450.00 \$0.00
103.06 103.06 103.07 103.08 103.09 103.10	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities Provision of the Superintendent site facilities Provision of Site Offices & Crib Rooms Hardstanding to Pront of Office Maintenance of the Superintendent site facilities Removal of the Superintendent site facilities Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Living Facilities Provision of the Superintendent living facilities Maintenance of the Superintendent living facilities Removal of the Superintendent living facilities	Item No m2 Item No m2 Item No m2 Item Item Item Item Item	8 1000 1 50	525 1 1,050 27 1 1,050 27 27	* 5 5	8,400.00 27,000.00 2,400.00 1,050.00 1,350.00 3,460.00 2,100.00	\$2,400.00 INCL \$3,450.00 \$0.00
103.06 103.06 103.07 103.08 103.09 103.10	Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Site Facilities Provision of the Superintendent site facilities Provision of Site Offices & Crib Rooms Hardstanding to Front of Office Maintenance of the Superintendent site facilities Removal of the Superintendent site facilities Removal of Site Offices & Crib Rooms Remediation of Laydown area Superintendent's Living Facilities Provision of the Superintendent living facilities Maintenance of the Superintendent living facilities Removal of the Superintendent living facilities Removal of the Superintendent living facilities	Item No m2 Item No m2 Item No m2 Item Item No m2 Item Item No m2 Item Item No m2 Item	8 1000 1 50	525 1 1,050 27 1 1,050 27 1 1,050 27	* 5 5	8,400.00 27,000.00 2,400.00 1,050.00 1,350.00 3,450.00 2,100.00 1,350.00	\$2,400.00 INCL \$3,450.00 \$0.00 \$0.00

104.01	Entry to land	Item					\$0.00
	106 UTILITIES AND SERVICES						
106.01	Liaison, programming, location and protection of utilities and services	Item		1	\$	26,250.00	\$26,250.00
106.02	Relocation of utilities and services	Item		1	\$	-	\$0.00
	SERIES 200 - MANAGEMENT REQUIREMENTS						
					\vdash		
	202 - TRAFFIC				\vdash		
202.01	Traffic management	Item		1	\$	2,625.00	\$2,625.00
	Preparation of Traffic Management Plan	Item	1	2,625	\$	2,625.00	
	•						
202.02	Traffic control devices	Item		1	\$	64,675.00	\$64,675.00
	2 Devices/ gang (Assume 4 average for project duration)	weekly	91.25	580	\$	52,925.00	
	Cones/barriers	No	1875	2	\$	3,750.00	
	signage	No	50	160	\$	8,000.00	
202.03	Traffic controllers	Item		1	\$	1,215,815.00	\$1,215,815.00
	Traffic Control Crews x 5 Man	weekly	91.25	12,300	\$	1,122,375.00	
	Weekend Traffic Management Checks	weekly	73.00	1,280	\$	93,440.00	
202.04	Construction, maintenance and removal of sidetracks, temporary	Item		0	\$	400,000.00	\$0.00
	driving surfaces and temporary pedestrian access				l	- 1	
202.05	Maintenance of existing roads	Item		0	\$	50,000.00	\$0.00
	203 - OCCUPATIONAL SAFETY AND HEALTH				П		
203.01	Occupational safety and health including safety and health plans and	Item		1	\$	83,950.00	\$83,950.00
	safety and health audits				l	- 1	
					П		
	204 - ENVIRONMENT						
204.01	Construction environmental management plan	Item		1	\$	10,500.00	\$10,500.00
204.02	Pre-Construction property inspections	Item		1	\$	52,500.00	\$52,500.00
1.1	CONTRACTOR'S PRELIMS		Total	Carried to Sum	mar	у	\$4,379,761.98

Water Supply Costs

Water Usage	KI	73000.0	\$ 3.00	\$219,000.00
Dust Control - Cart Hire	weekly	73.0	\$ 4,400.00	\$321,200.00

BEELIAR DRIVE EXTENSION

Clarifications, Assumptions and Exclusions

Item No Description

- Bulk Earthwork rate is based on approx 22,500m3 of cut to fill and 2,275m3 cut spoil. Quantities based on average depths of cut and fill taken from Plan and Long section provided and average road width of 20.1m
- Drainage Rates based on information on drawings provided, allowed 6 No drainage basins, 1800m of DN300 RCP pipe, 250m of DN375 RCP pipe, 75m of DN450 RCP pipe, 1 No 7 Barrel 1.2 x 1.2 RCBC, 26 No drainage structures and 6 No Precast headwall and 1 Insitu Headwall for multi barrel culvert
- 3 Rates for Bridge work have been based on previous quotes received for recent MRWA project and estimate completed by MGA
- 4 Volume of concrete for Bridge Deck seems high at 530m3 given that area of seal is 1200m2 this would assume that average thickness of deck is approximately 0.44m
- 5 We have allowed additional cost associated with cabling and conduits for Street lighting Installation
- 6 MGA have not verified the quantities other than high level take offs for bulk earthworks and drainage
- 7 Back up calculations/information of Roadworks and Bridge prices included in the Rate Build Ups tab
- 8 Back up calculations/information of General Items prices included in the Prelims tab
- 9 No allowance has been made in the estimate for forward escalation

10 The cost provided excludes the following items

Removal of asbestos

The value of Principal supplied items including searching for and stockpiling of embankment construction and pavement construction materials.

Allowances of accelerated construction periods

Holding Costs and interest charges

Time extension costs

Legal fees

Allowances for charges and costs levied by Authorities, Councils and Service Bodies

Aboriginal heritage, cultural and native title issues

Environmental obligations and clearances

Geotechnical investigations

MRWA administrative charges including corporate overheads, etc

11 The cost provided is based on the following assumptions detailed in the previous cost indication provided in August 2018

The bridge over the wetlands is a 6 x 20m span bridge with "T" Roff beams

The bridge requires piled foundations comprising 600 dia. Bored piles with 20m long steel casings and a 5m rock socket

Roundabouts are required at the Rockingham Road and Hamilton Road intersections

Signalised intersection required at Stock Road

Non signalised T junction at Mayor Road

12 Provisional Sums

Allowance for relocating 800m of phone line

Allowance for relocating 800m of water main

Allowance for relocating 200m of 600mm dia pressured sewer line

Allowance for relocating 200m of 900mm dia pressured sewer line

Assumed existing high voltage line to retained in position to South side of Beeliar Drive

Allowance for removal of existing power poles to North side of Beeliar Drive

Allowance for possible lighting upgrade to Stock road.

Assume as existing road pipe lien will be ok and not require relocating. Allowed for Gas engineer to supervise works in the vicinity of the pipe.

Allowance for relocating 4 existing bus stops

Allowance for potential 2 new bus stops

Annex 4 – Capital Expenditure Plan (CEP)

DCP Reserve balance as of 31/08/23	*Value of credits	Interest earned on DCP funds 2021/22				
1,965,116		5,939				

Munster								Source of Funds			
Items of infrastructure Road & Services	Estimated Value	DCP funds expended so far	2028/29	2029/30	2030/31	2031/32	2032/33	DCP Share (23.40%)	Muni share (76.60%)	Developer Share (76.60%)	Total
Beeliar Drive Land	6,576,507	933,877					631,875	1,565,752		5,010,755	6,576,507
Beeliar Drive Construction (Mayor Rd) Stage 1 Cockburn Rd to Fawcett Rd Stage 2 Fawcett Rd to Stock Rd	35,178,450	9,656					8,255,157	8,264,813	26,913,637		35,178,450
Total	41,754,957	943,533	0	0	0		8,887,032	9,830,565	26,913,637	5,010,755	41,754,957

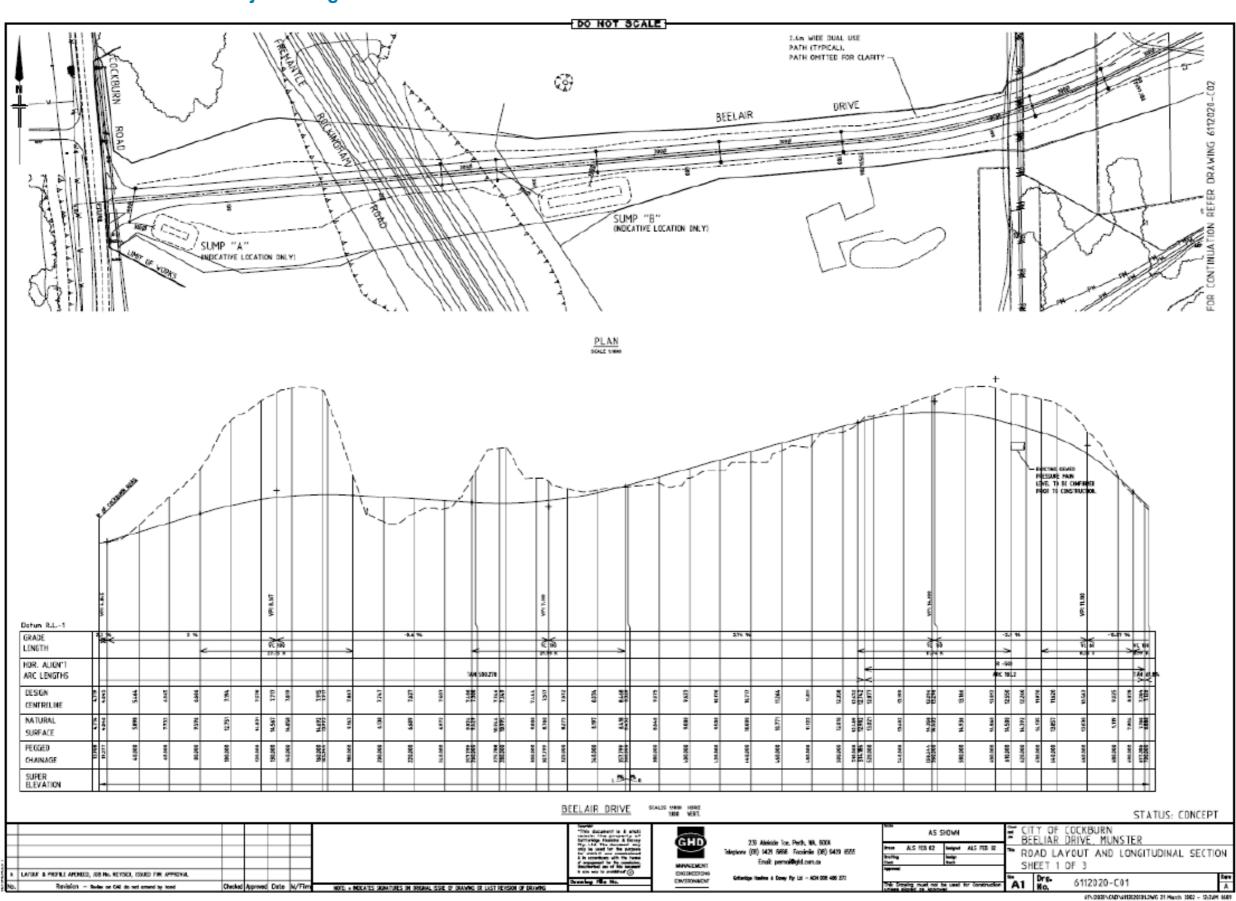
Notes:

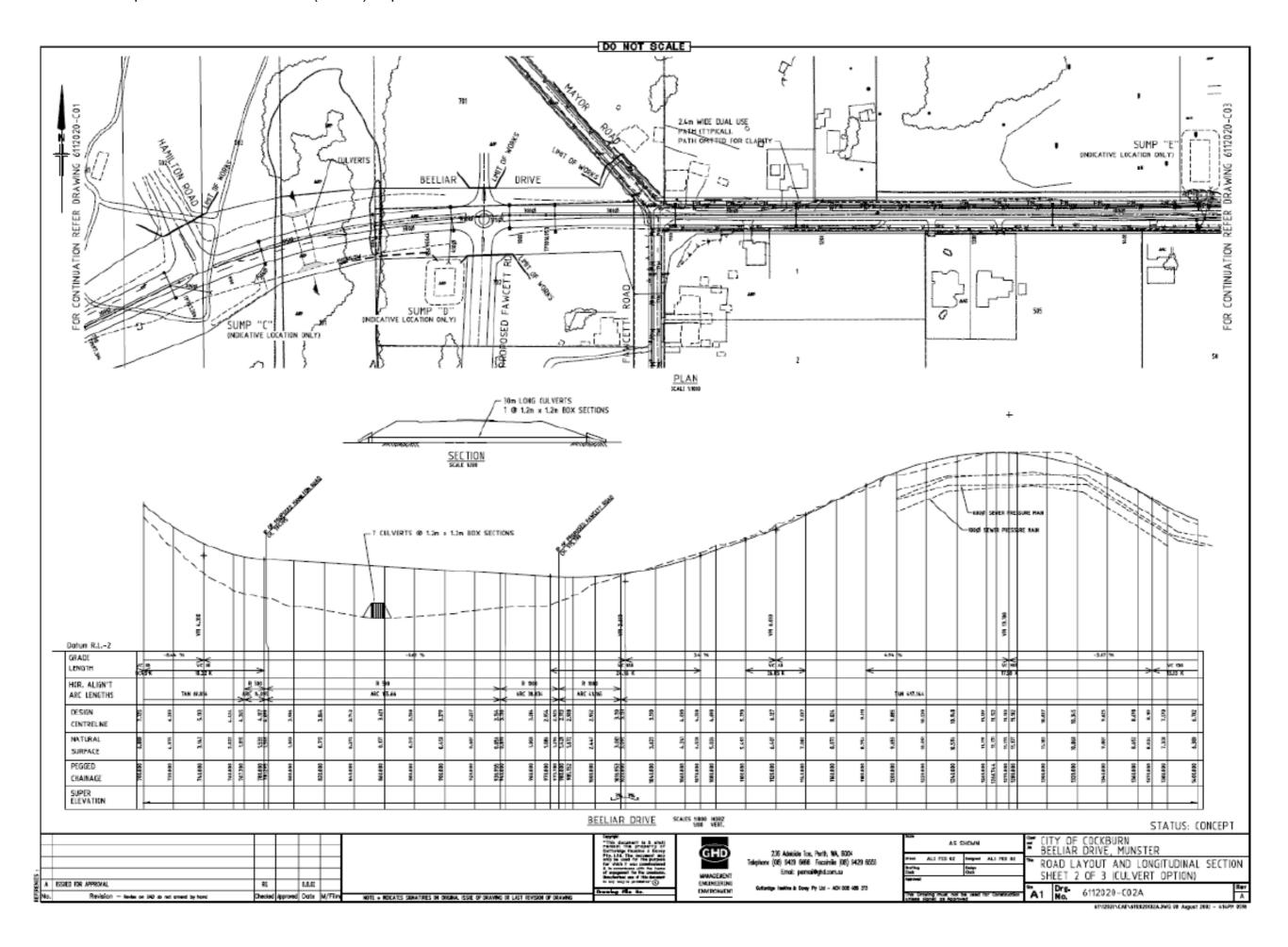
1. This timeframe is subject to change

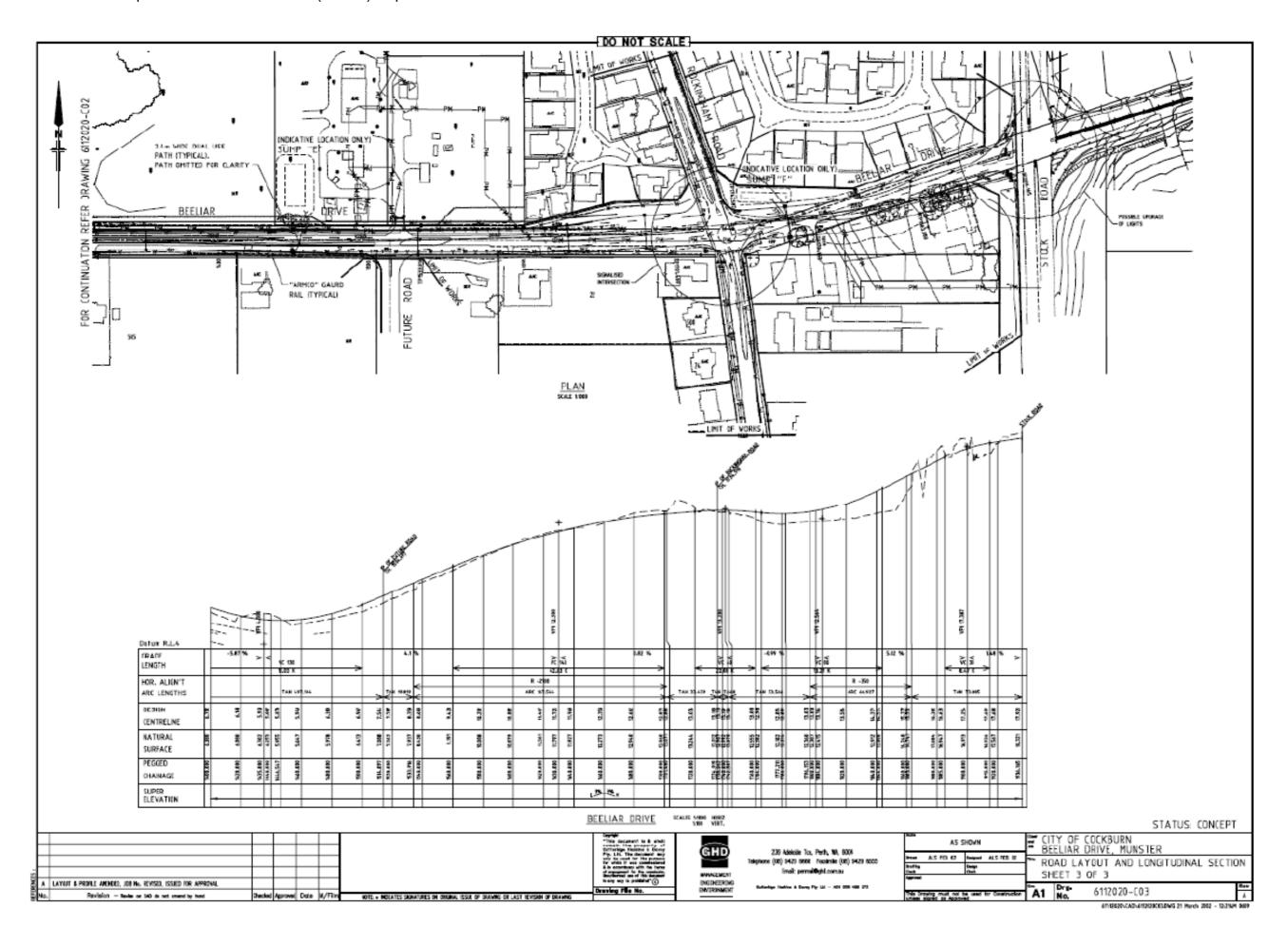
The following recurring annual payment obligation for DCA6 is not included in the table above:

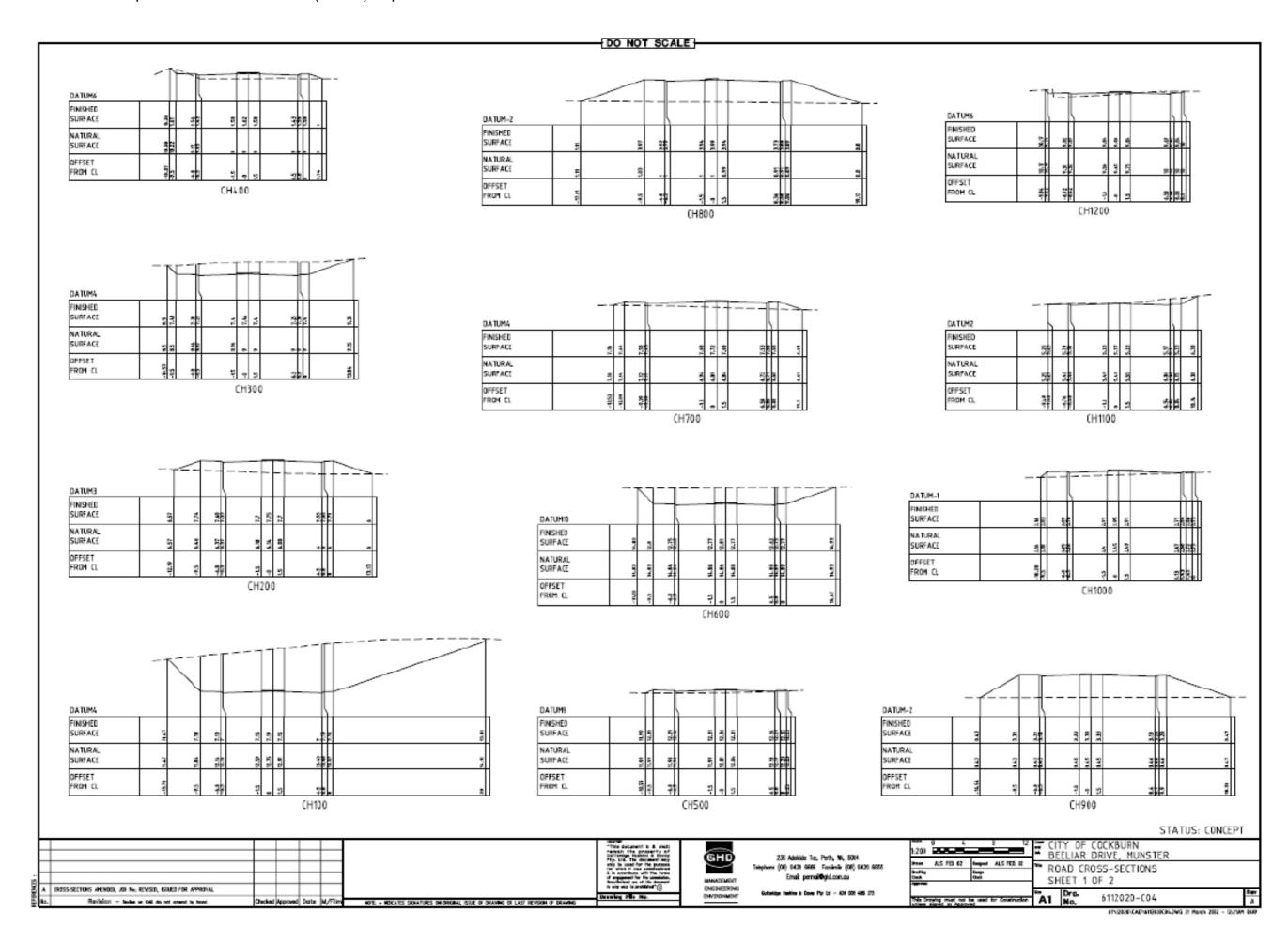
- costs to administer cost sharing arrangements,
- valuations, professional fees for infrastructure cost estimates
- annual audit and administration costs.

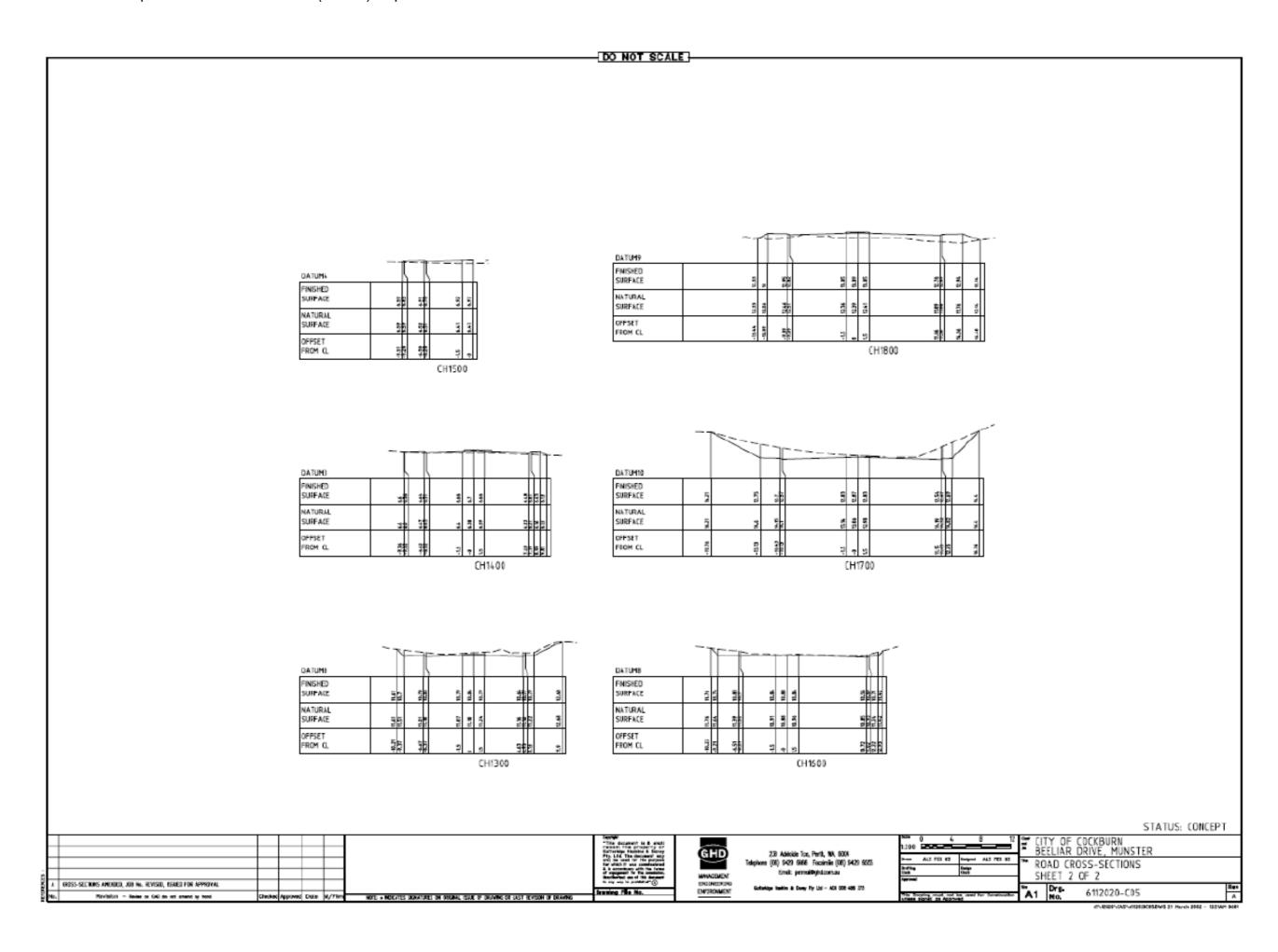
Annex 5 – Infrastructure Project Design

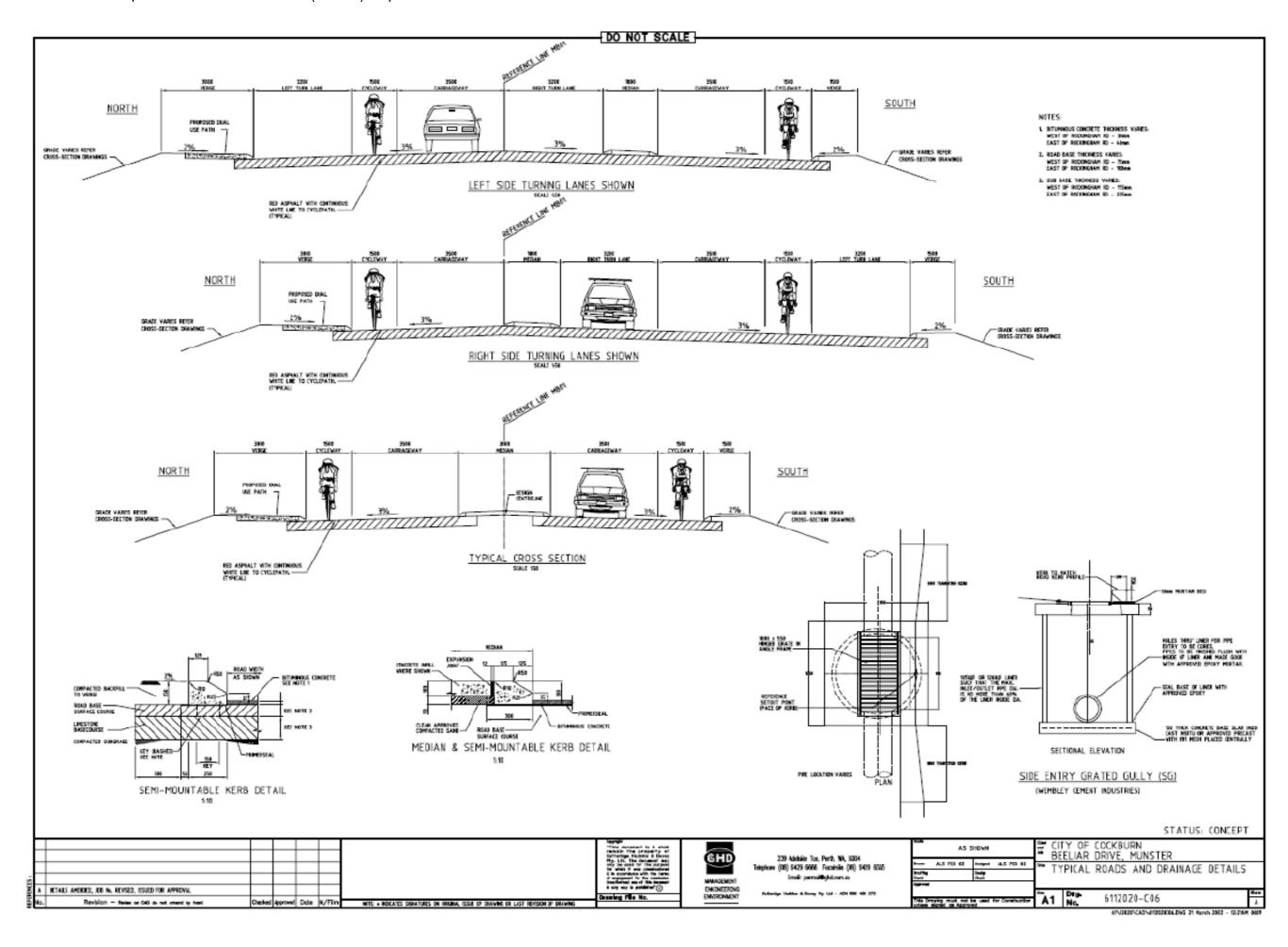


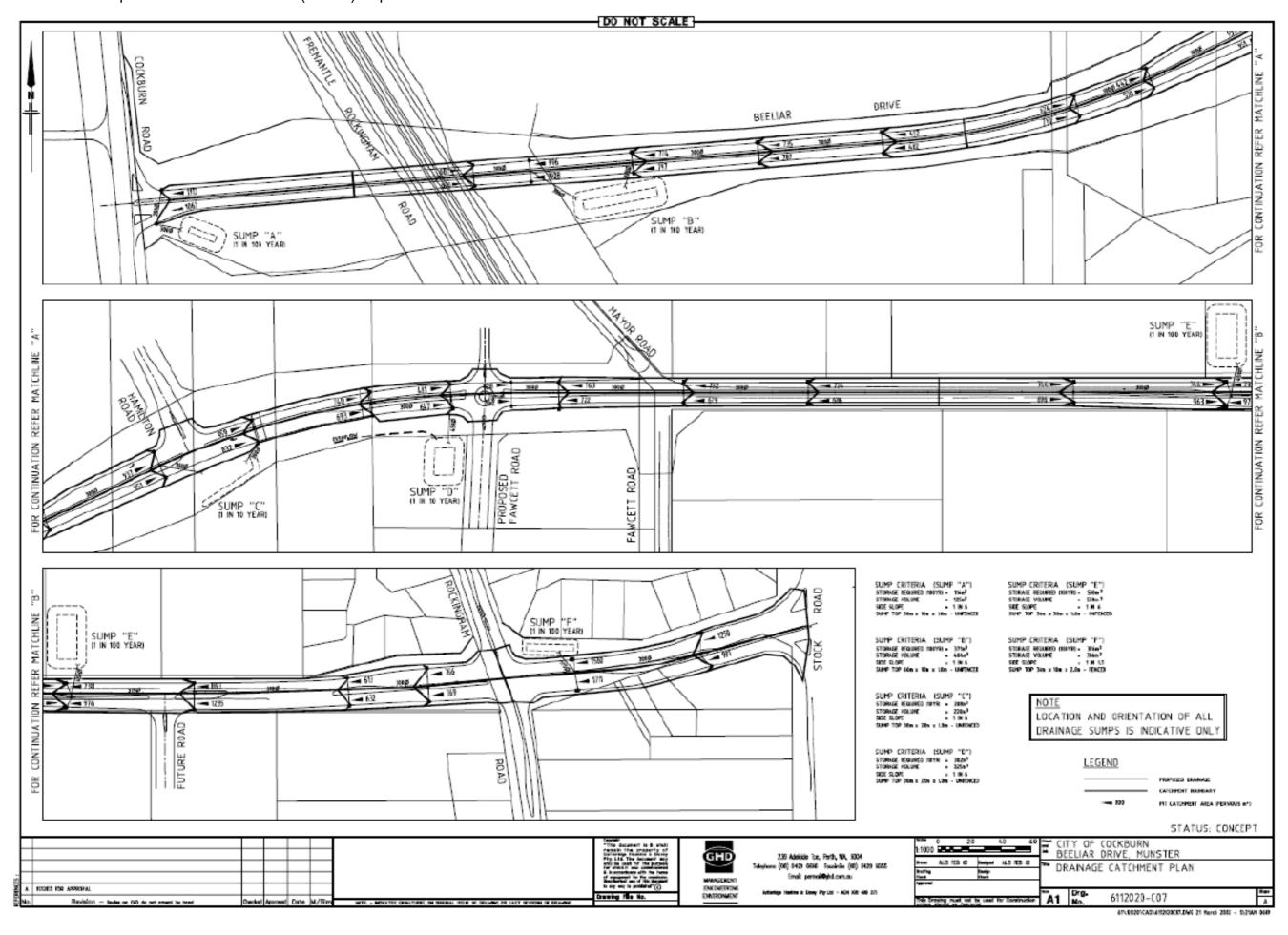


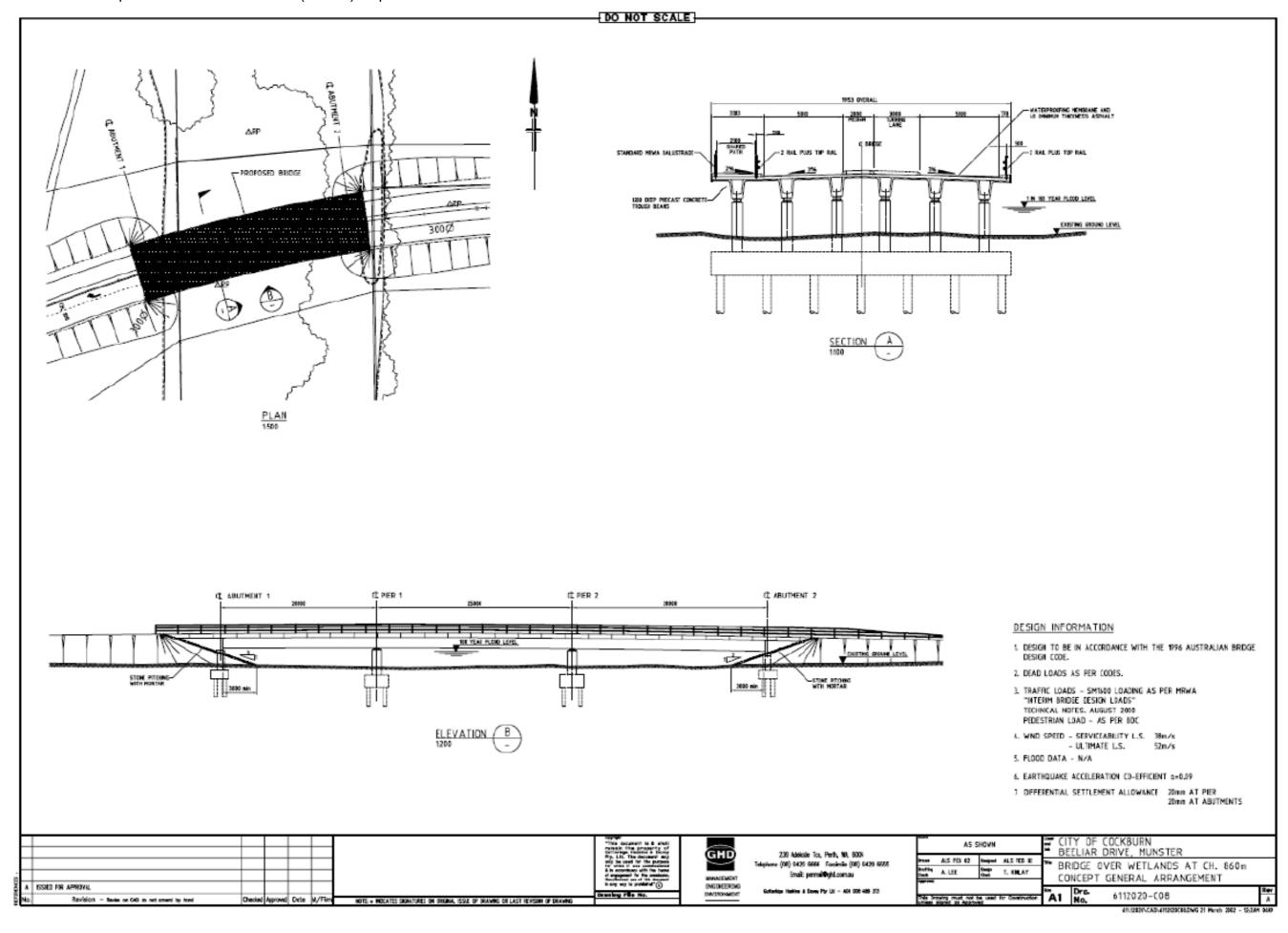












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