Munster

Development Contribution Plan 6 (DCP 6)

REPORT

2026

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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.

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 construction of Beeliar Drive (Mayor Road), between Stock Road and Cockburn Road, to be equitably shared among all landowners developing land within DCA6.

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
- 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 Annex 1 Maps.

Estimated Costs

The overall estimated cost of the infrastructure works, including administration, consultant and audit costs is **$12,189,625.83** (as of 16 October 2026).

A detailed summary of the cost breakdown for each infrastructure item is provided in Annex 2 – Cost Apportionment Schedule (CAS) and Annex 3 Schedule of Costs.

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 Annex 5 Infrastructure Project Design.

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 **$239,463.56/ha**. The rate has been determined as follows:

Contribution Rate ($/ha)
= (Total DCP Cost – Reserve Balance) / Net Developable Area
= ($12,189,625 - $2,304,927) / 41.2785 ha

The increase in the contribution rate reflects changes in land valuations under current market conditions and rising construction costs, including higher fuel and bitumen costs associated with road construction works.

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 ($)
= Area of Subject Site (ha) x Contribution Rate ($/ha)

A detailed summary of the overall DCP estimated cost is included in Annex 2 – Cost Apportionment Schedule (CAS).

Infrastructure Costs

Land Acquisition

An allowance of 23.40% of the total cost of acquiring land identified under the Metropolitan Region Scheme (MRS) for **'Other Regional Roads'** and provided for under DCP6 is **$7,852,583.58.**

Land acquisition costs are calculated based on the area required for the MRS reservation and the applicable valuation rate per square meter, as set out in Annex 2 – Cost Apportionment Schedule (CAS) and in accordance with the following formula:

Land Acquisition Cost ($)
= [(MRS Reserved Area x Valuation Rate) + 10% Solatium] x 23.40%

Beeliar Drive Construction

As part of DCP 6, a 23.40% share of the total estimated cost of **$42,720,105.42** is allocated to the widening and upgrading of Beeliar Drive (Mayor Road) between Stock Road and Cockburn Road, Munster.

DCP 6 contribution is calculated as follows:

DCP 6 Contribution Cost ($)
= Total Cost of Construction × 23.40%
= $42,720,105 x 23.40%

A summary of the construction costs for each infrastructure item is provided in Annex 2 – Cost Apportionment Schedule (CAS), with the detailed cost schedule included in Annex 3 Schedule of Costs .

Priority and Timing of Delivery

The widening and upgrading of Beeliar Drive (Mayor Road) between Stock Road and Cockburn Road, Munster, is a significant capital works project. The priority and timing of the project are informed by the following City of Cockburn strategic and financial planning documents:

a) City of Cockburn Strategic Community Plan Strategic Community Plan 2025-2035
previously referred to as the City's Plan for the District

b) City of Cockburn Long Term Financial Plan 2024-2034 . Provides a ten- year outlook of the City's financial position and informs the planning and delivery of major capital works.

Construction of the project is forecast to be delivered within 5 years, with the timing informed, where practical, by the progression of subdivision and development within the contributing area.

Details of the proposed timing and delivery timeframes are provided in Annex 4 Capital Expenditure Plan (CEP).

Note: The proposed timing and delivery timeframes are indicative and may be 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.

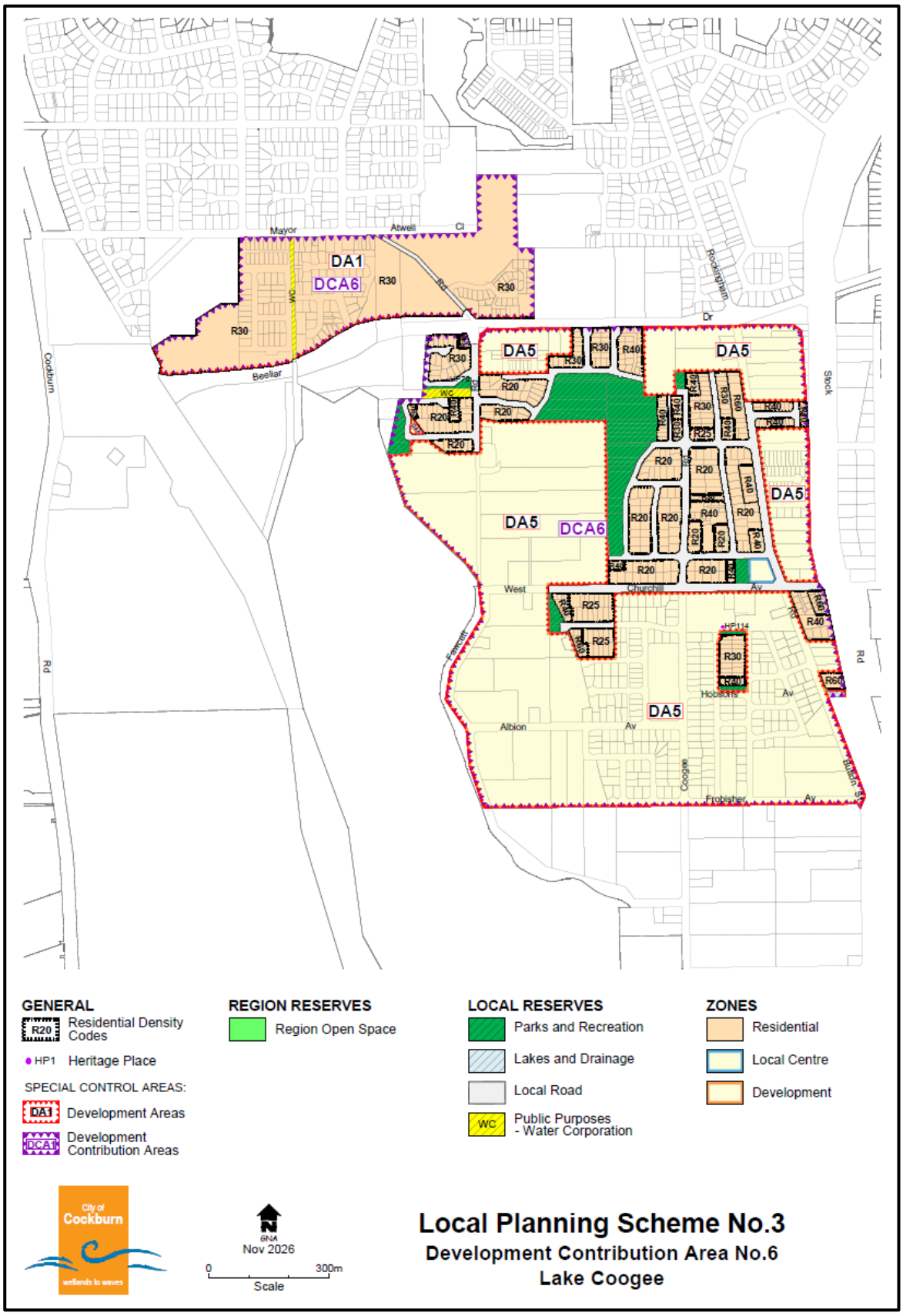
Review

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.

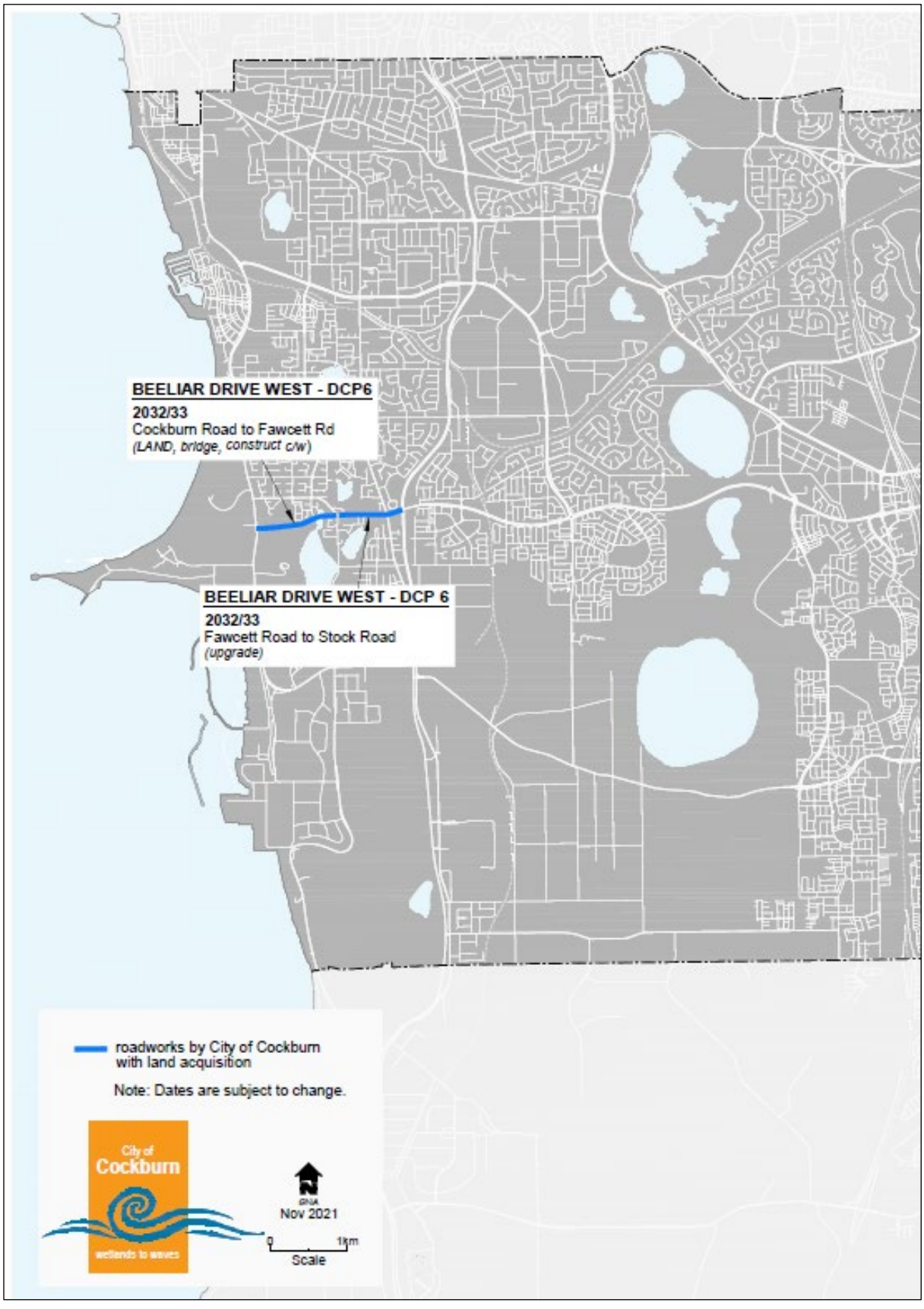
Annexes

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

Annex 1 – Maps


DA1
DCA6
DA5
DA5
DA5
DCA6
DA5
Mayor
Atwell
Cl
Beeliar
Cockburn
Rockingham
Dr
Stock
Rd
West
Church
Av
Forrest
Hobbs
Albion
Cooper
Frobisher
Av
Boston
Cl
R30
R20
R25
R40
R60
WC
GENERAL
R20 Residential Density Codes
HP1 Heritage Place
SPECIAL CONTROL AREAS:
DA1 Development Areas
DCA1 Development Contribution Areas
REGION RESERVES
Region Open Space
LOCAL RESERVES
Parks and Recreation
Lakes and Drainage
Local Road
WC Public Purposes - Water Corporation
ZONES
Residential
Local Centre
Development
City of Cockburn
wetlands to waves
GNA
Nov 2026
0
300m
Scale
Local Planning Scheme No.3
Development Contribution Area No.6
Lake Coogee

Locality Plan - Beeliar Drive (Mayor Road)



Annex 2 – Cost Apportionment Schedule (CAS)

DCA 6 Summary Sheet

DCA6 Munster - Cost Apportionment Schedule (CAS)		
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.		
Description	**Schedule No**	**Total Cost ($)**
Land Acquisition for Beeliar Drive		
Prorata contribution of 23.4% land acquisition	Schedule 1	1,864,354.56
Construction of Beeliar Drive		
Prorata contribution of 23.4% of the total construction cost	Schedule 2	10,029,560.68
Administration Costs	Schedule 3	295,710.59
	Total Project Cost	**12,189,625.83**

Original Area Ha*	**96.8306**	
Less previous Contributions as per Schedule 4	55.5521	
Net land area Ha	**41.2785**	
Total Cost ($)		**12,189,625.83**
Less available funds		$2,304,927.49
Outstanding Contributions		$9,884,698.34
Cost Contribution Rate ($/Ha)		**239,463.56**

Schedule 1 Beeliar Drive Land Costs

Schedule 1 - Beeliar Drive Land Costs

Lot address	Property #	Land area taken (m^2)	Land Value ($/m2)	Solatium ($)	Market Value land take ($)	Pro-Rata ($) 23.40%	Actual Cost ($)
Lot 1 Cockburn Road	3317055	21,621	35	75,670	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	132	26,910	296,058.00	69,277.57	
Pt 1 Fawcett Road	3309155	634	300	19,020	209,220.00	48,957.48	
Lot 22 Mayor Rd Former Lot 22 Rockingham Rd	3309817	287	220	6,314	69,454.00	16,252.24	16,252.24
Lot 51 Mayor Road	3309809	161	300	4,830	53,130.00	12,432.42	
Lot 50 Mayor Road		0.0185			26,410.00	6,179.94	6,179.94
Lot 2 Mayor Road	3309055	402	300	12,060	132,660.00	31,042.44	
Lot 16 Mayor Road	3309707	148	300	4,440	48,840.00	11,428.56	
Lot 14 Mayor Road	3309027	181	300	5,430	59,730.00	13,976.82	
Lot 1000 Beeiar Drive	3309772	3,144	650	204,360	2,247,960.00	526,022.64	
Lot 500 (22) Mayor Rd	3300007	26	320	832	9,152.00	2,141.57	
Lot 507 Mayor Rd	6016802	395	35	1,383	15,208.00	3,558.67	
Lot 506 Mayor Rd	6016801	67	35	235	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	**361,484.00**	**7,852,583.58**	**1,864,354.56**	**950,129.90**

Schedule 2 Beeliar Drive Construction Cost

Schedule 2 - Beeliar Drive Construction Costs			
Description	**Actual Cost ($)**	**Total Cost ($)**	**Pro-rata ($) 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	23,400.00
Estimated construction cost - GHD Consulting Engineers		42,720,105.42	9,996,504.67
	Totals	**42,720,105.42**	**10,029,560.68**

Schedule 3 Administration Costs

Schedule 3 - Summary of Administration Costs	
Costs to administer cost sharing arrangements including preliminary engineering design and costings, valuations, annual reviews and audits.	
Period	**Cost ($)**
Costs to 2019/20	**159,882.33**
2020/21	8,455.56
2021/22	8,609.93
2022/23	23,400.00
2023/24	56,102.42
2024/25	23,135.00
2025/26	16,125.35
Total Cost	**295,710.59**

Schedule 4 Contribution Register

Schedule 4 - Contribution Register					
Description	Date	Area (Ha)	Value of land vested ($)	Contribution ($)	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 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 reserve)	Nov-14	0.2196		16,243.01	16,243.01
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)					**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**
Lot 3 (642) Rockingham Road Lake Coogee	Sep-23	0.2170		41,572.42	41,572.42
Lot 22 (176) Mayor Road Lake Coogee - DP427830	May-24	0.1599	16,252.23	14,381.09	14,381.09
Interest 2022/23					**43,061.27**
Lot 32 (596) Rockingham Road Lake Coogee	Oct-24	0.4707		90,175.75	90,175.75
Interest 2023/24					**71,575.81**
Interest 2024/25					**83,554.16**
	Total	**55.5521**	**145,806.48**	**2,690,729.03**	**$2,763,613.88**

Annex 3 – Schedule of Costs

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

Our ref: 13001378

02 September 2026

Riekie Long
City of Cockburn
9 Coleville Crescent
Spearwood WA 6163

DCA6 – Beeliar Drive Extension High-level Cost Indication Review 2026/27

Dear Riekie,

GHD is pleased to submit this high-level development cost estimate services and documentation for DCA6 – Beeliar Drive Extension, updated for FY 2025/26.

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,

Louise Johnson
Project Manager
+61 8 6222 8110

Attachment 1

Beeliar Drive Extension Cost Indication
August 2026

MAIN ROADS
Western Australia

Summary

BEELIAR DRIVE EXTENSION
COST INDICATION - August 2026

SUMMARY

SCHEDULE No. 1 - GENERAL ITEMS		$5,396,780.38
SCHEDULE No. 2 - ROADWORKS		
SERIES 300 - EARTHWORKS	$3,201,536.25	
SERIES 400 - DRAINAGE	$2,164,571.06	
SERIES 500 - PAVEMENT & SURFACING	$2,230,111.29	
SERIES 600 - TRAFFIC FACILITIES	$229,980.89	
SERIES 700 - ELECTRICAL & LIGHTING	$918,767.64	
SERIES 900 - MISCELLANEOUS	$707,883.19	$9,452,850.33
SCHEDULE No. 3 - PROVISIONAL SUMS		$1,292,530.89
BILL No. 1 - BRIDGE OVER WETLANDS		
SERIES 800 BRIDGES & MAJOR STRUCTURES		$15,572,868.65
TOTAL CONSTRUCTION COSTS - EXCL CONTINGENCY		$31,715,030.25
CONTNGENCY ROADWORKS (15% approx)		$1,722,305.96
CONTNGENCY BRIDGE (20% approx)		$3,788,091.92
TOTAL CONSTRUCTION COSTS - INCL CONTINGENCY		$37,225,428.13
PROFESSIONAL FEES ETC.		
ROADWORKS DESIGN & CONTRACT ADMINISTRATION (10%)		$1,148,203.97
BRIDGE DESIGN & CONTRACT AMINISTRATION (20%)		$3,788,091.92
COUNCIL SUPERVISION FEES (1.5%)		$558,381.42
GST EXCLUSIVE TOTAL ESTIMATED COST		$42,720,105.45
ESTIMATED GST PAYABLE (10%)		$4,272,010.54
TOTAL ESTIMATED DEVELOPMENT COST (incl GST)		**$46,992,115.99**

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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	$301,785.95	$301,785.95
GCC.02	Contractor's superintendence during the execution of the Works	Item	1	$2,079,002.15	$2,079,002.15
GCC.03	All charges, costs and obligations relating to the General Conditions of Contract not provided for elsewhere	Item	1	$83,370.00	$83,370.00
	SPECIAL CONDITIONS OF CONTRACT				
SCC.01	All charges, costs and obligations relating to the Special Conditions of Contract not provided for elsewhere	Item	1	$86,940.00	$86,940.00
	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	$63,385.72	$63,385.72
101.03	Project works sign	No.	2	$3,031.88	$6,063.75
	102 SURVEY INFORMATION				
102.01	Survey information, control and setting out of the works	Item	1	$380,279.81	$380,279.81
	103 SITE FACILITIES				
	Contractors Site Facilities				
103.01	Provision of Contractor's site facilities	Item	1	$77,809.20	$77,809.20
103.02	Maintenance of Contractor's site facilities	Item	1	$122,976.00	$122,976.00
103.03	Removal of Contractor's site facilities	Item	1	$37,909.20	$37,909.20
	Contractor's Plant				
103.04	Mobilisation and demobilisation of Contractor's plant	Item	1		$0.00
	Superintendent's Site Facilities				
103.05	Provision of the Superintendent site facilities	Item	1	$2,533.65	$2,533.65
103.06	Maintenance of the Superintendent site facilities	Item	1		$0.00
103.07	Removal of the Superintendent site facilities	Item	1	$3,597.30	$3,597.30
	Superintendent's Living Facilities				
103.08	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
	Superintendent's Vehicles				
103.12	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	$28,940.63	$28,940.63
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	$2,893.80	$2,893.80
202.02	Traffic control devices	Item	1	$674,726.06	$674,726.06
202.03	Traffic controllers	Item	1	$1,340,436.04	$1,340,436.04
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	$92,554.88	$92,554.88
	204 - ENVIRONMENTAL MANAGEMENT				
204.01	Construction Environmental Management Plan	Item	1	$11,576.25	$11,576.25
	To Summary				$5,396,780.38

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Item	Description	Unit	Qty	Rate	Amount
	SERIES 300 - EARTHWORKS				
	301 - VEGETATION CLEARING AND DEMOLITION				
301.01	Vegetation clearing	ha	4.3	$18,358.84	$78,943.00
301.02	Topsoil removal	ha	3.9	$15,534.40	$60,584.16
	302 - EARTHWORKS				
	REMOVAL OF REDUNDANT ITEMS				
302.01	Removal of redundant pavement including seal	m²	8,500	$36.72	$312,148.23
	EMBANKMENT CONSTRUCTION				
302.02	Allowance for earthworks (based on area of surfacing)	m²	24,800	$49.88	$1,237,082.86
	SUBGRADE				
302.03	Subgrade	m²	27,800	$8.30	$230,611.27
302.04	Subgrade to principal shared path	m²	3,400	$9.22	$31,338.06
	303 - MATERIAL AND WATER SOURCES				
	WATER SUPPLIES				
303.01	Water supplies	Item	1	$ 808,657.50	$ 808,657.50
	304 - LANDSCAPING AND REVEGETATION / REVEGETATION / REHABILITATION OF DISTURBED AREAS				
	TOPSOILING				
304.01	Respread topsoil	ha	1.4	$12,915.74	$18,082.04
	OTHER REVEGETATION AND LANDSCAPING				
304.02	Allowance for Landscaping	m²	13,650	$31.07	$424,089.12
	To Summary				$3,201,536.25

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	$70.67	$1,752,497.80
	406 - ROCK PROTECTION				
406.01	Grouted rock protection to embankments	m²	500	$296.32	$148,159.34
	407 - KERBING				
407.01	Kerbs type SM1	m	7,000	$37.70	$263,913.92
	To Summary				$2,164,571.06

Item	Description	Unit	Qty	Rate	Amount
	SERIES 500 - PAVEMENT & SURFACING				
	501 - PAVEMENTS				
	SUBBASE				
501.01	175mm thick gravel subbase	m²	23,570	$20.93	$493,259.43
501.02	225mm thick gravel subbase	m²	4,250	$29.35	$124,747.06
	BASECOURSE				
501.03	75mm thick gravel basecourse	m²	23,570	$13.86	$326,680.52
501.04	100mm thick gravel basecourse	m²	4,250	$16.14	$68,579.52
	PRINCIPAL SHARED PATH				
501.05	150mm thick gravel basecourse	m²	3,400	$19.57	$66,531.76
	504 - ASPHALT WEARING COURSE				
	ROADWORKS				
504.01	Tack coat	m²	23,600	$1.24	$29,328.95
504.02	30mm thick dense graded asphalt	m²	15,500	$37.62	$583,176.91
504.03	40mm thick dense graded asphalt	m²	3,000	$39.18	$117,533.27
504.04	30mm thick dense graded coloured asphalt	m²	4,470	$45.39	$202,900.08
504.05	40mm thick dense graded coloured asphalt	m²	630	$46.94	$29,575.32
	BRIDGEWORKS				
504.06	Tack coat	m²	1,200	$1.24	$1,491.30
504.07	50mm dense graded asphalt on bridge deck	m²	1,200	$40.73	$48,877.44
	PRINCIPAL SHARED PATHS				
504.08	Tack coat	m²	3,400	$1.24	$4,225.36
504.09	25mm Thick dense graded coloured asphalt	m²	3,400	$39.18	$133,204.37
	To Summary				$2,230,111.29
	SERIES 600 - TRAFFIC FACILITIES				
	601 - SIGNS				
601.01	Allowance for signage (based on area of surfacing)	m²	24,800	$6.19	$153,402.20
	604 - PAVEMENT MARKING				
604.01	Allowance for pavement markings (based on area of surfacing)	m²	24,800	$3.09	$76,578.69
	To Summary				$229,980.89

Item	Description	Unit	Qty	Rate	Amount
	SERIES 700 - ELECTRICAL & LIGHTING				
	701 - ROADWAY LIGHTING				
	LIGHTING POLES				
701.01	Concrete base for single outreach arm pole	No.	10	$1,621.79	$16,217.91
701.02	Concrete base for twin outreach arm pole	No.	35	$1,833.06	$64,157.07
701.03	Galvanised steel light pole complete with single outreach arm	No.	10	$3,766.78	$37,667.81
701.04	Galvanised steel light pole complete with twin outreach arms	No.	35	$4,375.92	$153,157.07
701.05	Roadway lighting luminaire fixed to lighting pole outreach arm	No.	80	$1,871.86	$149,749.13
	CONDUITS, CABLING AND PITS				
	Conduits				
701.06	80mm Diameter heavy duty PVC conduit in trench	m	1,936	$31.18	$60,359.72
	Cabling				
701.07	? Core ?mm diameter cabling to lighting poles	m	2,386	$17.29	$41,253.43
701.08	Connection to consumer mains	Item	1	$11,650.80	$11,650.80
	Pits				
701.09	Cable pit type ?	No.	19	$605.84	$11,729.09
	712 - TRAFFIC SIGNALS				
712.01	Allowance for traffic signals - Stock Road / Beeliar Drive	Item	1	$372,825.60	$372,825.60
	To Summary				$918,767.64

Item	Description	Unit	Qty	Rate	Amount
	SERIES 900 - MISCELLANEOUS				
	901 - CONCRETE - GENERAL WORKS				
901.01	100mm Thick concrete medians etc.	m²	5,750	$123.11	$707,883.19
	To Summary				$707,883.19
					$9,452,850.33

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	$115,915.20	$115,915.20
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	$108,610.93	$108,610.93
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	$293,979.96	$293,979.96
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	$494,974.64	$494,974.64
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	$60,125.98	$60,125.98
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	$61,424.19	$61,424.19
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	$37,500.00	$37,500.00
PS.08	Allow the Provisional Sum of $45,000.00 (Forty Five Thousand Dollars) for the relocation of 4 bus stops	P.S.	1	$60,000.00	$60,000.00
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	$60,000.00	$60,000.00
	To Summary				$1,292,530.89

Item	Description	Unit	Qty	Rate	Amount
	SERIES 800 - BRIDGES AND MAJOR STRUCTURES				
	801 - EXCAVATION AND BACKFILL FOR STRUCTURES				
	STRUCTURAL EXCAVATION				
	Abutments And Approach Slabs				
801.01	Abutment footing excavation not exceeding ? m deep commencing at existing ground level	m3	300	$104.92	$31,475.75
	Piers				
801.02	Pier footing excavation not exceeding ? m deep commencing at existing ground level	m3	900	$104.92	$94,427.24
	EMBANKMENT CONSTRUCTION				
801.03	Preparation, levelling and trimming embankment construction to receive wingwall footing	m2	50	$20.40	$1,020.18
	812 - BORED PILES				
	GENERAL				
812.01	Mobilisation and demobilisation of piling plant	Item	1	$83,220.00	$83,220.00
	ABUTMENTS AND APPROACH SLABS				
812.02	Supply 600 diameter steel pile casings and deliver to site including unloading, storing and fabricating complete (In 28 No. piles)	m	560.00	$721.90	$404,263.50
812.03	Extra over previous item for the additonal cost of providing and installing pile shoe to the base of all ples	No	28	$346.75	$9,709.00
812.04	Preparation, handling & pitching of 600 diameter steel pile casings	No	28		INCL
812.05	Install 600 diameter steel pile casings	m	560	$86.39	$48,376.61
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	$859.05	$136,589.32
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	$859.05	$34,362.09
812.08	Bars in abutment piles	t	29.85	$4,104.19	$122,510.03
812.09	Concrete class ?? In-fill to 600 Diameter pile casings	m3	159	$487.78	$77,557.05
812.10	Concrete class ?? in rock socket below steel pile casing poured against ground	m3	40	$487.78	$19,511.21
812.11	Cutting off top of 600 diameter pile and preparing head for bonding into structure	No.	28		INCL

Item	Description	Unit	Qty	Rate	Amount
812.12	Pile load testing	No	2	$11,650.80	$23,301.60
	ABUTMENTS AND APPROACH SLABS				
812.13	Supply 600 diameter steel pile casings and deliver to site including unloading, storing and fabricating complete (In 70 No. piles)	m	1,400.00	$721.90	$1,010,658.74
812.14	Extra over previous item for the additonal cost of providing and installing pile shoe to the base of all ples	No	70	$346.75	$24,272.50
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	$86.39	$120,941.52
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	$859.05	$340,184.72
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	$859.05	$85,046.18
812.19	Bars in abutment piles	t	74.25	$4,104.19	$304,735.99
812.20	Concrete class ?? In-fill to 600 Diameter pile casings	m3	396	$487.78	$193,160.94
812.21	Concrete class ?? in rock socket below steel pile casing poured against ground	m3	99	$487.78	$48,290.24
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	$11,650.80	$58,254.00
	819 - FALSEWORK				
819.01	Provision and erection of falsework	Item	1	$69,350.00	$69,350.00
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	$1,125.47	$5,627.34
820.02	50 Blinding layer under abutment capbeam (In 38 m2)	m3	2	$1,125.47	$2,250.93
820.03	50 Blinding layer under wingwall (In 60 m2)	m3	3	$1,125.47	$3,376.40

Item	Description	Unit	Qty	Rate	Amount
820.04	50 Blinding layer under approach slab (In 192 m2)	m3	10	$1,125.47	$11,254.67
	Reinforced Insitu Concrete Class ?				
820.05	Abutment footing	m3	100	$1,243.53	$124,352.87
820.06	Abutment column	m3	11	$1,243.53	$13,678.82
820.07	Abutment capbeam	m3	23	$1,243.53	$28,601.16
820.08	Wingwall	m3	33	$1,243.53	$41,036.45
820.09	Approach slab	m3	48	$1,243.53	$59,689.38
820.10	Dual use path	m3	4	$1,175.57	$4,702.26
	PIERS				
	Plain Insitu Concrete Class ?				
820.11	50 Blinding layer under pier footing (In 300 m2)	m3	15	$1,125.47	$16,882.01
	Reinforced Insitu Concrete Class ?				
820.12	Pier footing	m3	450	$1,243.53	$559,587.92
820.13	Pier column	m3	47	$1,243.53	$58,445.85
	DECK				
	Reinforced Insitu Concrete Class ?				
820.14	Deck slab, diaphragms and beams	m3	530	$1,243.53	$659,070.22
820.15	Dual use path	m3	45	$1,175.57	$52,900.46
	821 - FORMWORK				
	ABUTMENTS AND APPROACH SLABS				
	Formwork Class ?				
821.01	Sides of abutment footing	m2	90	$335.76	$30,218.85
821.02	Sides of abutment column, curved on plan	m2	57	$335.76	$19,138.60
821.03	Sides of abutment capbeam	m2	49	$335.76	$16,452.48
821.04	Sides of wingwall	m2	124	$335.76	$41,634.86
821.05	Sides of approach slab	m2	25	$335.76	$8,394.12
	PIERS				
	Formwork Class ?				
821.06	Sides of pier footing	m2	345	$335.76	$115,838.91
821.07	Sides of pier column, curved on plan	m2	248	$335.76	$83,269.71
	DECK				
	Formwork Class ?				
821.08	Sides of deck slab and upstand	m2	104	$335.76	$34,919.56
821.09	Sides and soffit of diaphragm	m2	181	$335.76	$60,773.46

Item	Description	Unit	Qty	Rate	Amount
821.10	Sides of kerb/edge beam	m2	48	$335.76	$16,116.72
	Permanent Steel Formwork				
821.11	? Bondek to soffit of deck slab	m2	612	$359.07	$219,748.73
	822 - STEEL REINFORCEMENT				
	ABUTMENTS AND APPROACH SLABS				
	Reinforcing Bars				
822.01	Bars in abutment footing	t	15.00	$4,237.87	$63,568.06
822.02	Bars in abutment column	t	1.65	$4,237.87	$6,992.49
822.03	Bars in abutment capbeam	t	4.60	$4,237.87	$19,494.20
822.04	Bars in wingwall	t	4.95	$4,237.87	$20,977.46
822.05	Bars in approach slab	t	7.20	$4,237.87	$30,512.67
	PIERS				
	Reinforcing Bars				
822.06	Bars in pier footing	t	67.50	$4,237.87	$286,056.27
822.07	Bars in pier column	t	7.05	$4,237.87	$29,876.99
	DECK				
	Reinforcing Bars				
822.08	Bars in deck slab, diaphragms and beams	t	106.00	$4,237.87	$449,214.29
	Reinforcing Fabric				
822.09	? Fabric in dual use path	m2	300	$20.97	$6,291.43
	828 - PRECAST CONCRETE MEMBERS				
	Precast Prestressed Concrete "Tee Roff" Beams				
828.01	20m Long "Tee Roff" beam	No.	36	$189,731.61	$6,830,338.09
	Precast Concrete Parapet Panels				
829.01	Parapet panel type ?, ? long	m	260	$1,387.00	$360,620.00
	603 - SAFETY BARRIER SYSTEMS FOR STRUCTURES				
	BARRIER				
603.01	3 rail RHS traffic barrier system for structure	m	310	$2,228.08	$690,705.62
	833 - BALUSTRADES AND HANDRAILS				
	BALUSTRADES				
833.01	Galvanised and painted balustrade (complete system)	m	130	$820.22	$106,628.12
	860 - BRIDGE BEARINGS				
	BRIDGE BEARINGS				

Item	Description	Unit	Qty	Rate	Amount
860.01	? 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	$5,229.63	$376,533.22
	APPROACH SLAB BEARINGS				
860.02	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	$6,564.60	$256,019.46
	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	$1,728.85	$67,425.30
	875 - WATERPROOF MEMBRANE				
	ABUTMENTS AND APPROACH SLABS				
875.01	Waterproof membrane to approach slabs	m2	192	$114.33	$21,951.44
	DECK				
875.02	Waterproof membrane to deck slab	m2	2,298	$114.33	$262,731.28
	908 - ANTI-GRAFFITI - BRIDGES/MAJOR STRUCTURES				
	ABUTMENTS AND APPROACH SLABS				
908.01	Anti-graffiti coating to exposed surfaces of abutment wall and wingwalls	m2	56	$40.56	$2,271.13
	407 - KERBING				
407.01	? x ? Overall precast concrete kerb laid on deck slab including mortar bed and all necessary insitu infill	m	500	$41.61	$20,805.00
	MISCELLANEOUS				
M.01	Allowance for miscellaneous expansion joints and conduits	Item	1	$34,675.00	$34,675.00
	To Summary				$15,572,868.65

SCHEDULE OF PRICES

FOR

BEELIAR DRIVE EXTENSION

ITEM	DESCRIPTION	UNIT		QUANTITY	RATE	Current Rates
	GENERAL CONDITIONS OF CONTRACT					
GCC.01	Insurances in accordance with the General Conditions of Contract	Item		1	$ 301,785.95	$301,785.95
GCC.02	**Contractor's superintendence during the execution of the Works**	**Item**		**1**	**$ 2,079,002.16**	**$2,079,002.16**
	Construction Manager	weekly	36.50	7,663	$ 279,695.85	
	Project Engineer	weekly	146.00	5,730	$ 836,558.10	
	Supervisor	weekly	146.00	6,252	$ 912,748.20	
	As Con Drawings	Item	1	50,000	$ 50,000.00	
GCC.03	**All charges, costs and obligations relating to the General Conditions of Contract not provided for elsewhere**	**Item**		**1**	**$ 83,370.00**	**$83,370.00**
	Mobilisation of Personel	No	60	324	$ 19,467.00	
	Mobilisation of Plant	No	20	1,158	$ 23,163.00	
	De-Mobilisation of Personel	No	60	324	$ 19,467.00	
	De-Mobilisation of Plant	No	20	1,064	$ 21,273.00	
	SPECIAL CONDITIONS OF CONTRACT					
SCC.01	All charges, costs and obligations relating to the Special Conditions of Contract not provided for elsewhere	Item		1	**$ 88,940.00**	**$88,940.00**
	Testing		300	290	$ 86,940.00	
	Aboriginal heritage		1	0	$ -	
	SERIES 100 - GENERAL REQUIREMENTS					
	DESCRIPTION OF WORKS					
101.02	**Contractors programs**	**Item**		**1**	**$ 63,385.72**	**$63,385.72**
	Planner		10.95	5,789	$ 63,385.72	
101.03	Project works sign	No.		2	$ 3,031.88	$6,063.75
	102 SURVEY INFORMATION					
102.01	Survey information, control and setting out of the works	Item		1	$380,279.81	$380,279.81
	103 SITE FACILITIES					
	Contractors Site Facilities					
103.01	**Provision of Contractor's site facilities**	**Item**		**1**	**$ 77,809.20**	**$77,809.20**
	Provision of Site Offices & Crib Rooms	No	8	1,064	$ 8,509.20	
	Laydown Area	m2	1000	58	$ 57,750.00	
	Site Fencing and Hoarding	m	500	23	$ 11,550.00	
					$ -	
103.02	**Maintenance of Contractor's site facilities**	**Item**		**1**	**$ 122,878.00**	**$122,878.00**
	Cleaning Offices - Peggy	weekly	73.00	1,621	$ 118,347.60	
	Accommodation - Average 30men for Duration	nightly	0	130	$ -	
	Remedials to cabins prior to handover	Item	8	579	$ 4,628.40	
103.03	**Removal of Contractor's site facilities**	**Item**		**1**	**$ 37,809.20**	**$37,809.20**
	Removal of Site Offices & Crib Rooms	No	8	1,064	$ 8,509.20	
	Remediation of Laydown area	m2	1000	29	$ 29,400.00	
	Superintendent's Site Facilities					
103.05	**Provision of the Superintendent site facilities**	**Item**		**1**	**$ 2,533.65**	**$2,533.65**
	Provision of Site Offices & Crib Rooms	No	1	1,064	$ 1,063.65	
	Hardstanding to Front of Office	m2	50	29	$ 1,470.00	
103.06	Maintenance of the Superintendent site facilities	Item				INCL
103.07	**Removal of the Superintendent site facilities**	**Item**		**1**	**$ 3,697.30**	**$3,697.30**
	Removal of Site Offices & Crib Rooms	No	2	1,064	$ 2,127.30	
	Remediation of Laydown area	m2	50	29	$ 1,470.00	
	Superintendent's Living Facilities					
103.08	Provision of the Superintendent living facilities	Item				$0.00
103.09	Maintenance of the Superintendent living facilities	Item				$0.00
103.10	Removal of the Superintendent living facilities	Item				$0.00
103.11	Superintendent's meals	M/day				
103.12	Turbo diesel 4x4 utility vehicle	No		0	$ 84,295.61	$0.00
	104 ENTRY TO LAND					
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	$ 28,940.63	$28,940.63
106.02	Relocation of utilities and services	Item		1	$ -	$0.00
	SERIES 200 - MANAGEMENT REQUIREMENTS					
	202 - TRAFFIC					
202.01	**Traffic management**	**Item**		**1**	**$ 2,893.80**	**$2,893.80**
	Preparation of Traffic Management Plan	Item	1	2,894	$ 2,893.80	
202.02	**Traffic control devices**	**Item**		**1**	**$ 674,726.08**	**$674,726.08**
	2 Devices/ gang (Assume 4 average for project duration)	weekly	91.25	7,254	$ 661,968.56	
	Cones/barriers	No	1875	2	$ 3,937.50	
	signage	No	50	176	$ 8,820.00	
202.03	Traffic controllers	Item		1	$ 1,340,438.04	$1,340,438.04
	Traffic Control Crews x 5 Man	weekly	91.25	13,561	$ 1,237,418.44	
	Weekend Traffic Management Checks	weekly	73.00	1,411	$ 103,017.60	
202.04	Construction, maintenance and removal of sidetracks, temporary driving surfaces and temporary pedestrian access	Item		0	$ 400,000.00	$0.00
202.05	Maintenance of existing roads	Item		0	$ 50,000.00	$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	$ 92,554.88	$92,554.88
	204 - ENVIRONMENT					
204.01	Construction environmental management plan	Item		1	$ 11,576.25	$11,576.25
204.02	Pre-Construction property inspections	Item		1	$ 57,881.25	$57,881.25
1.1	**CONTRACTOR'S PRELIMS**	**Total Carried to Summary**				**$5,454,681.83**

Water Supply Costs

	Water Usage	Kl		73000.0	$ 3.31	$241,447.50
	Dust Control - Cart Hire	weekly		73.0	$ 7,770.00	$567,210.00

BEELIAR DRIVE EXTENSION

Clarifications, Assumptions and Exclusions

Item No	Description
1	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
2	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 plied foundations comprising 600 dia. Bored plies 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 30/08/2026: $2,304,927

Interest earned on DCP Reserve 2024/25: $83,554.16

DCP 6 Munster

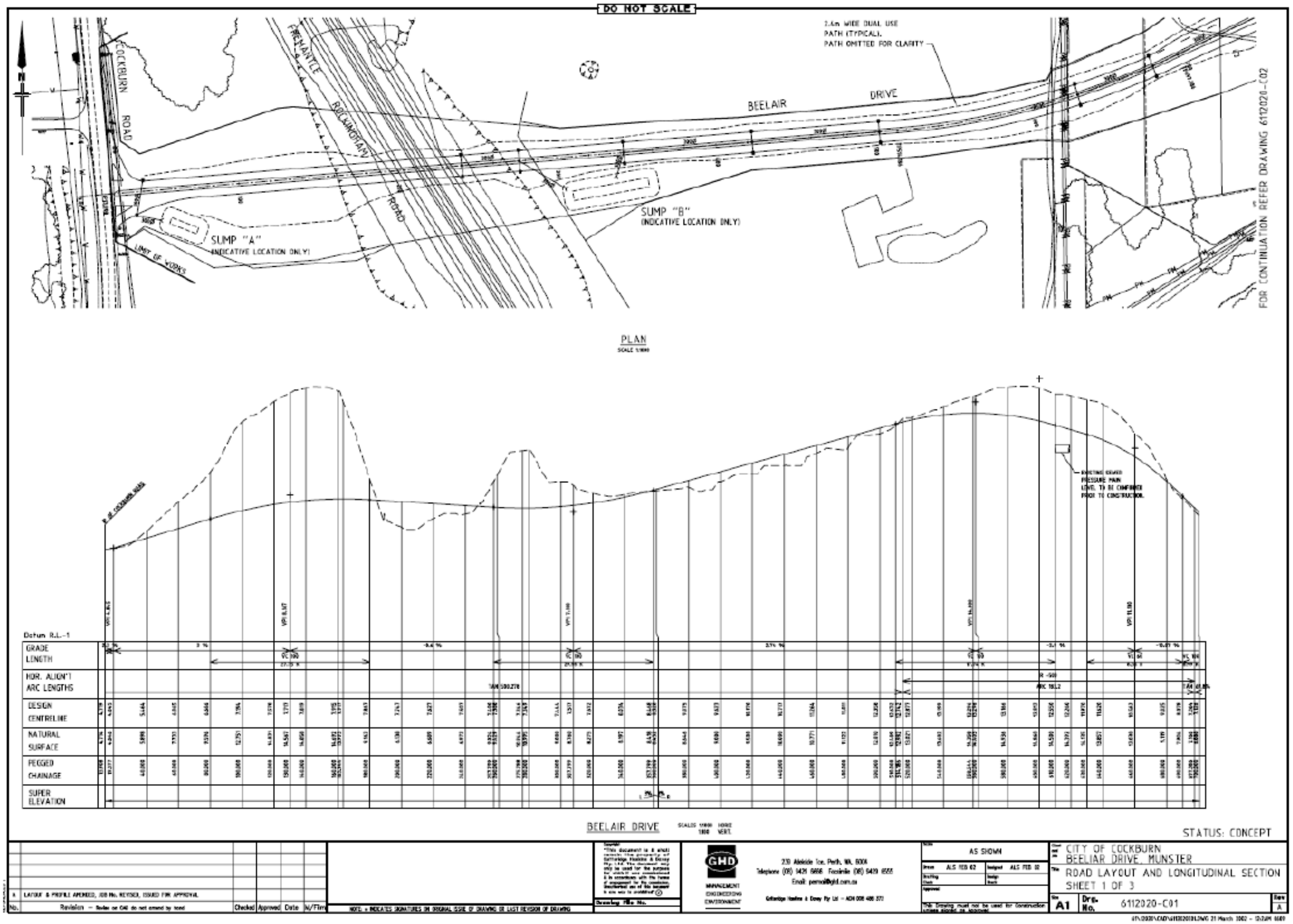
Infrastructure Item	Total Project Costs ($)	DCP 6 Funds Expended to Date ($)	Remaining DCP 6 Funding - 23.40% Pro-rata ($)	Grants / Other ($)	Municipal Funding ($)	FY28 DCP 6 ($)	FY29 DCP 6 ($)	FY30 DCP 6 ($)	FY31 DCP 6 ($)	FY32 DCP 6 ($)
Beeliar Drive Land	7,852,583	950,130	914,224	5,988,229				914,224		
Beeliar Drive (Mayor Rd) extension *Phase 1 Stock Road to Hamilton Rd - includes bridge)*	42,720,105		9,996,505		32,723,600			1,104,505	4,212,000	
Beeliar Drive (Mayor Rd) extension *Phase 2 Hamilton Rd - Cockburn Rd*										4,680,000
Total	**50,572,688**	**950,130**	**10,910,729**	**5,988,229**	**32,723,600**			**2,018,729**	**4,212,000**	**4,680,000**

The timeframe outlined in this plan is indicative and may be subject to change. Delivery of the remaining infrastructure is dependent on future development and subdivision approvals, the cession of the remaining land required for the infrastructure under DCA6, and receipt of DCA 6 contributions from individual landowners. As the remaining land has yet to be secured, delivery may extend beyond FY2033, which marks the end of the current DCA 6 operation period. The operation period may be extended for further periods, with or without modification, through a subsequent Scheme Amendment.

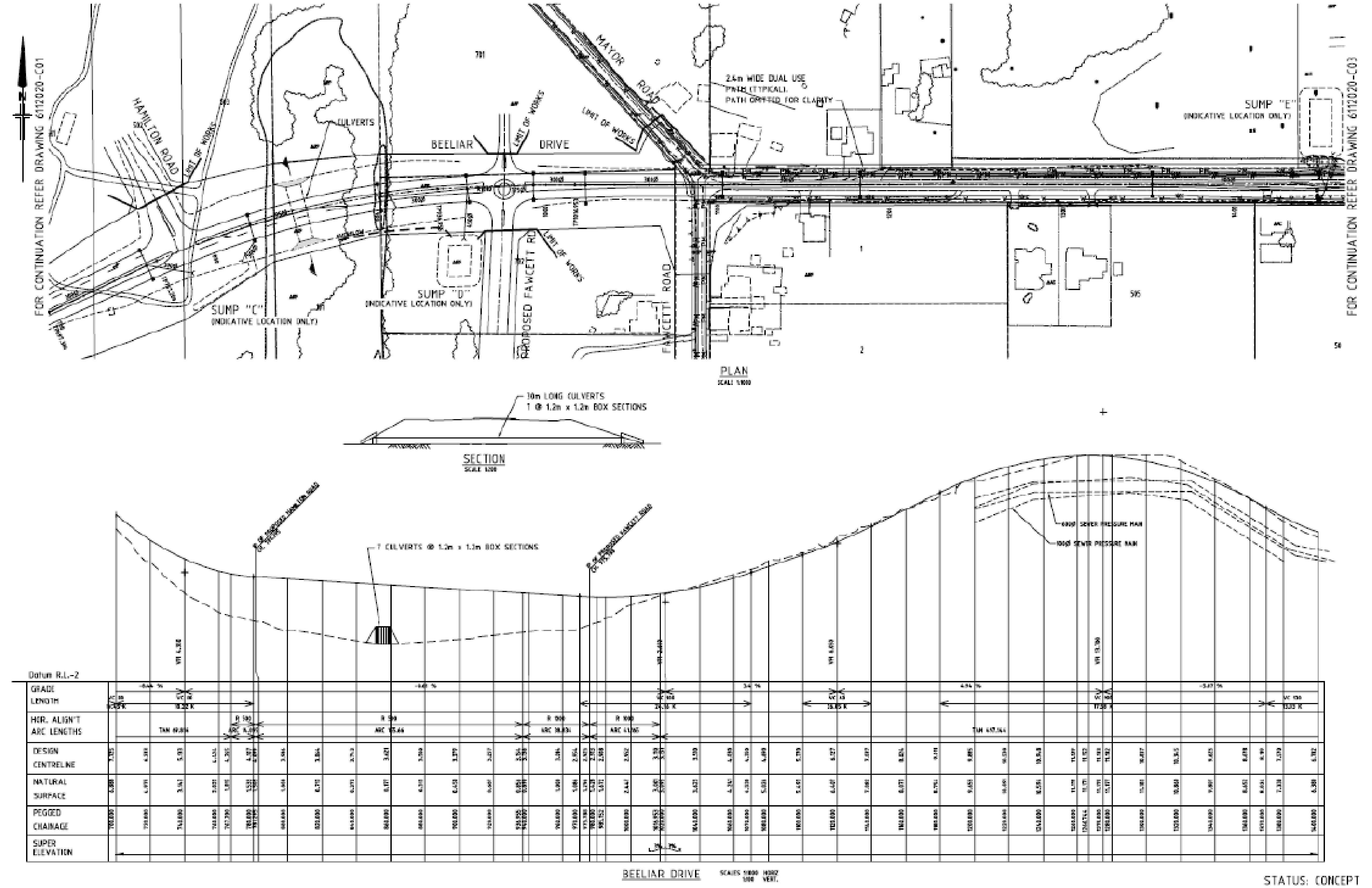
Recurring Annual Payment Obligations (not included above):

- *Costs to administer cost-sharing arrangements.*
- *Valuations and professional fees for infrastructure cost estimates.*
- *Annual audit and administration costs.*

Annex 5 – Infrastructure Project Design



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A	ISSUED FOR APPROVAL	RG		8.8.01	

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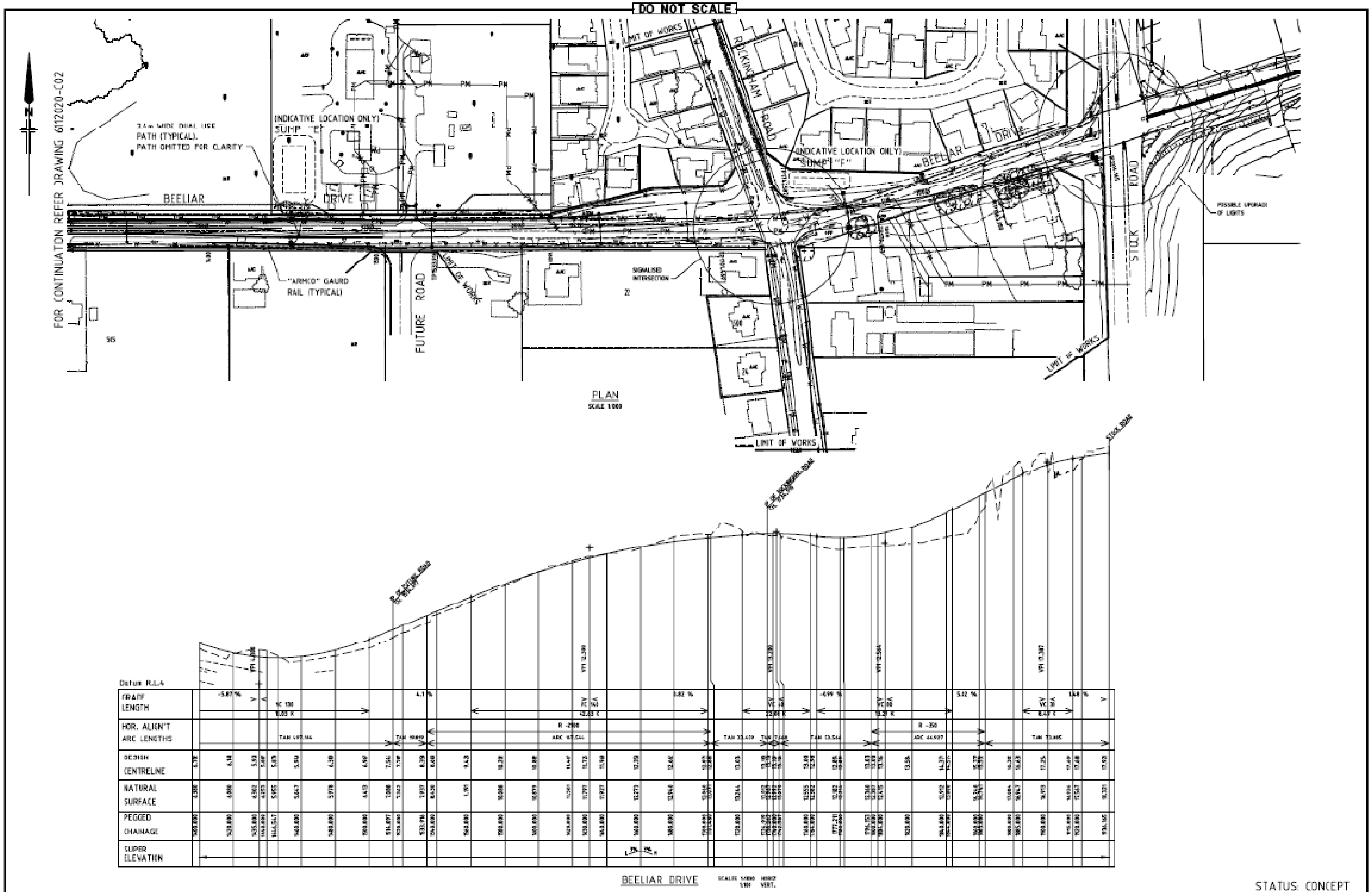
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BEELIAR DRIVE, MUNSTER

Title: ROAD LAYOUT AND LONGITUDINAL SECTION
SHEET 2 OF 3 (CULVERT OPTION)

Size: A1 | Drg. No. 6112020-C02A | Rev A

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BEELIAR DRIVE

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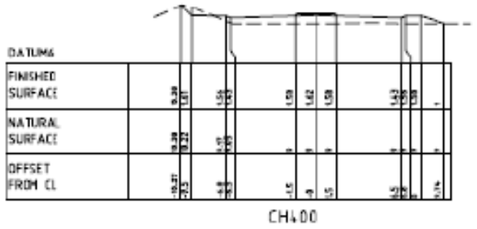
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BEELIAR DRIVE, MUNSTER

Title: ROAD LAYOUT AND LONGITUDINAL SECTION
SHEET 3 OF 3

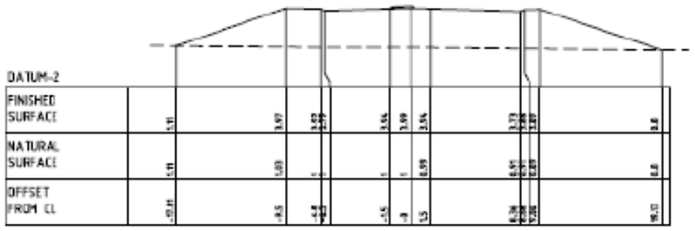
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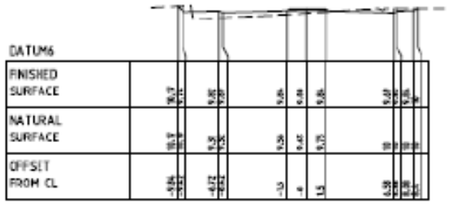
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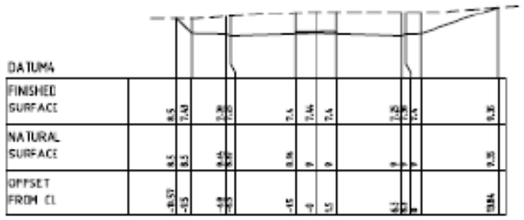
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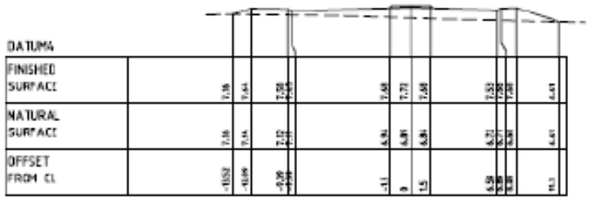
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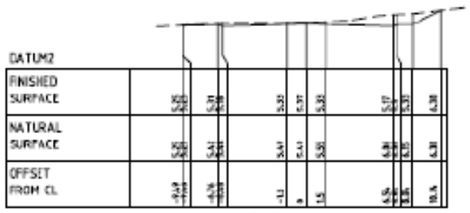
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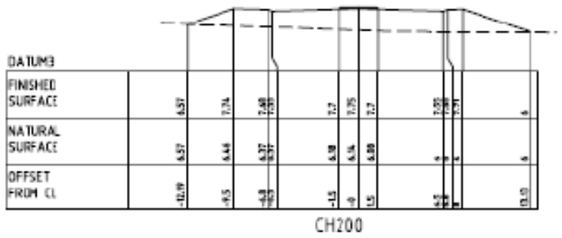
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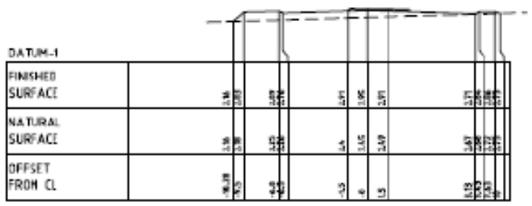
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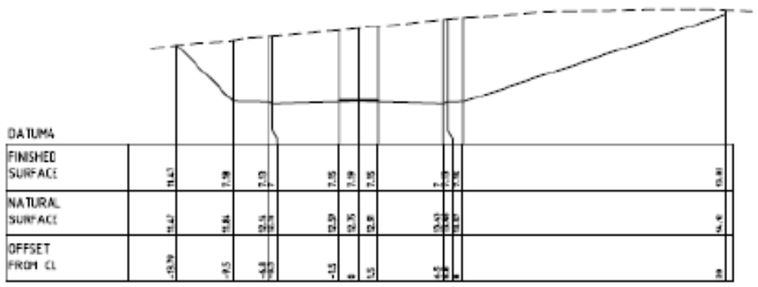
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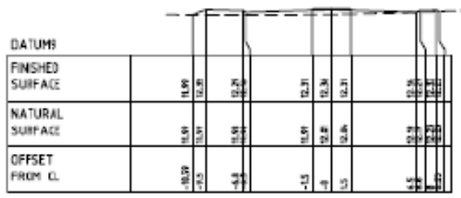
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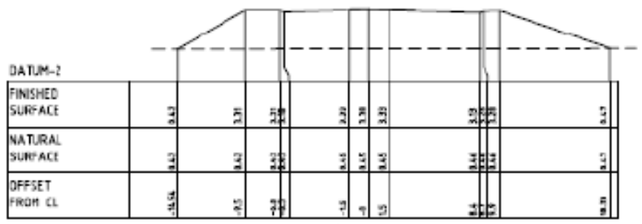
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CH100



CH500



CH900

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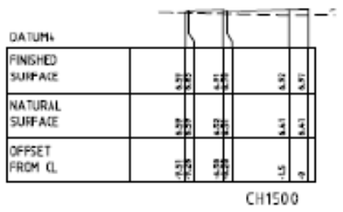
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Client: CITY OF COCKBURN
Project: BEELIAR DRIVE, MUNSTER
Title: ROAD CROSS-SECTIONS SHEET 1 OF 2

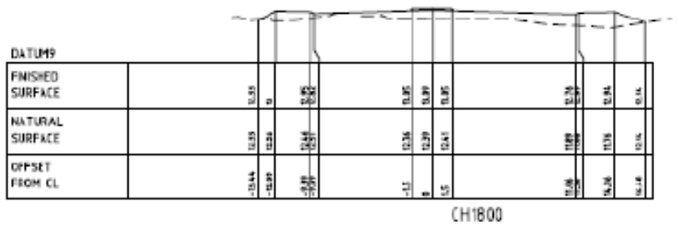
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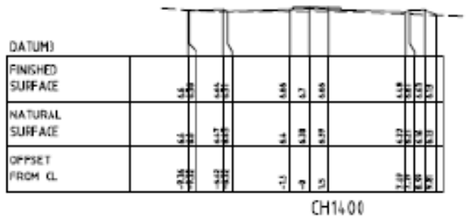
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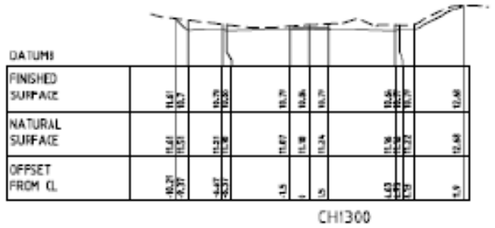
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CH1700



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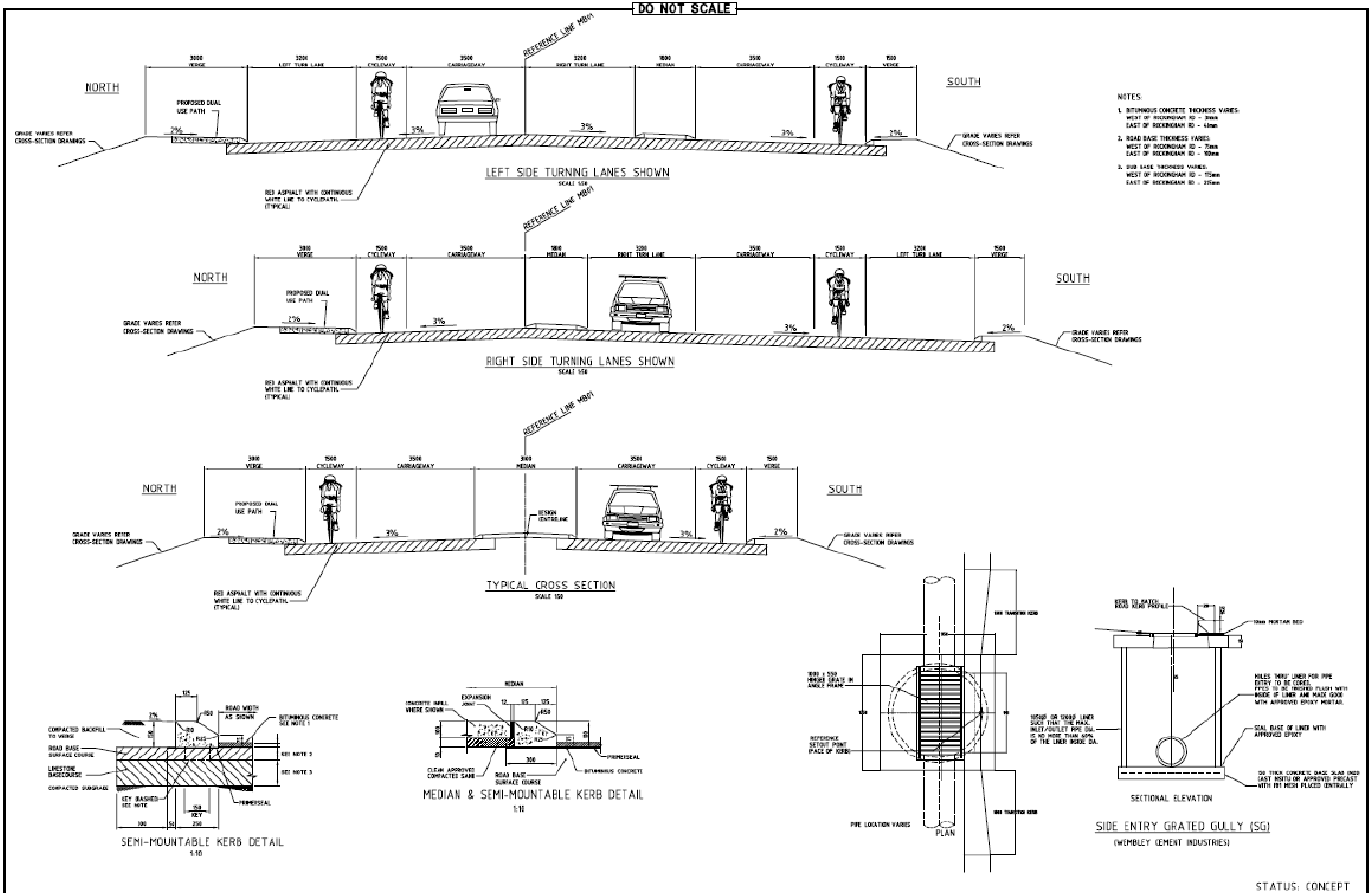
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BEELIAR DRIVE, MUNSTER

Title: ROAD CROSS-SECTIONS
SHEET 2 OF 2

Size: A1 | Dwg. No. 6112020-C05 | Rev: A



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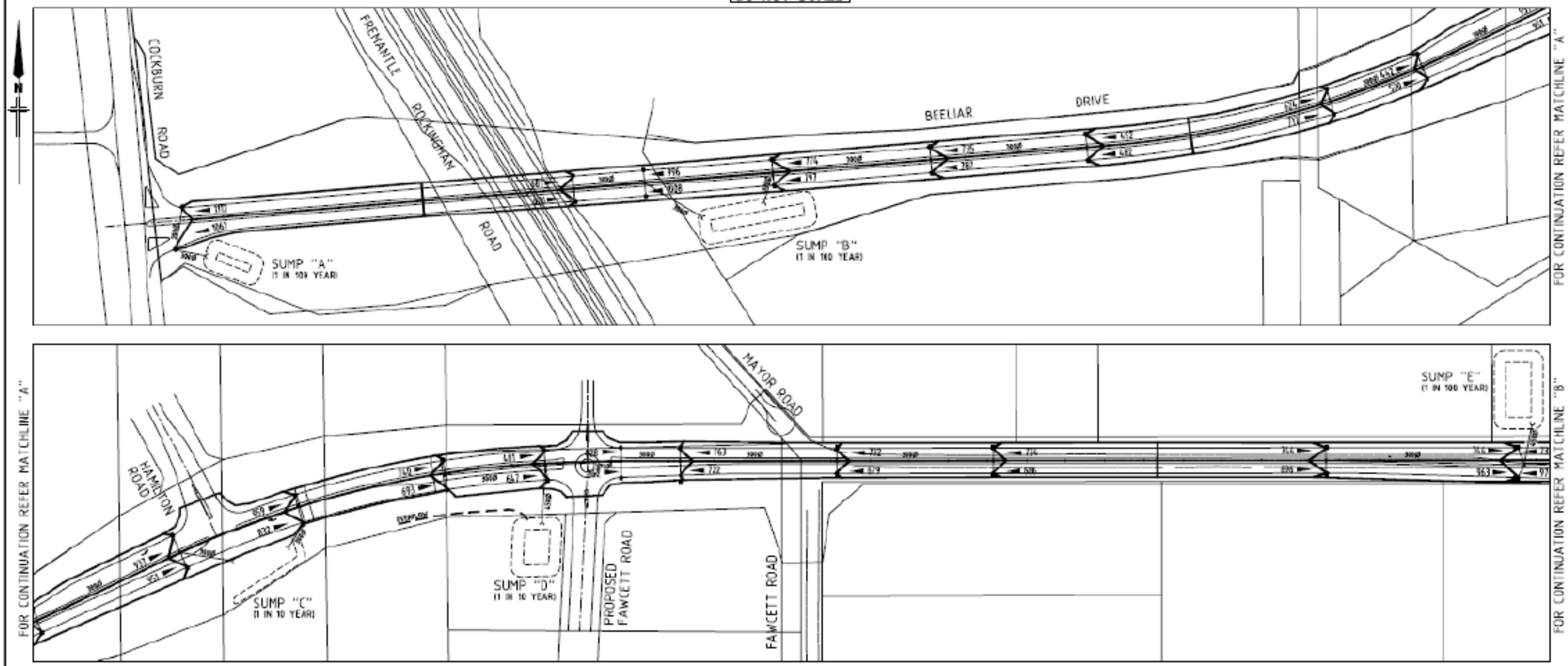
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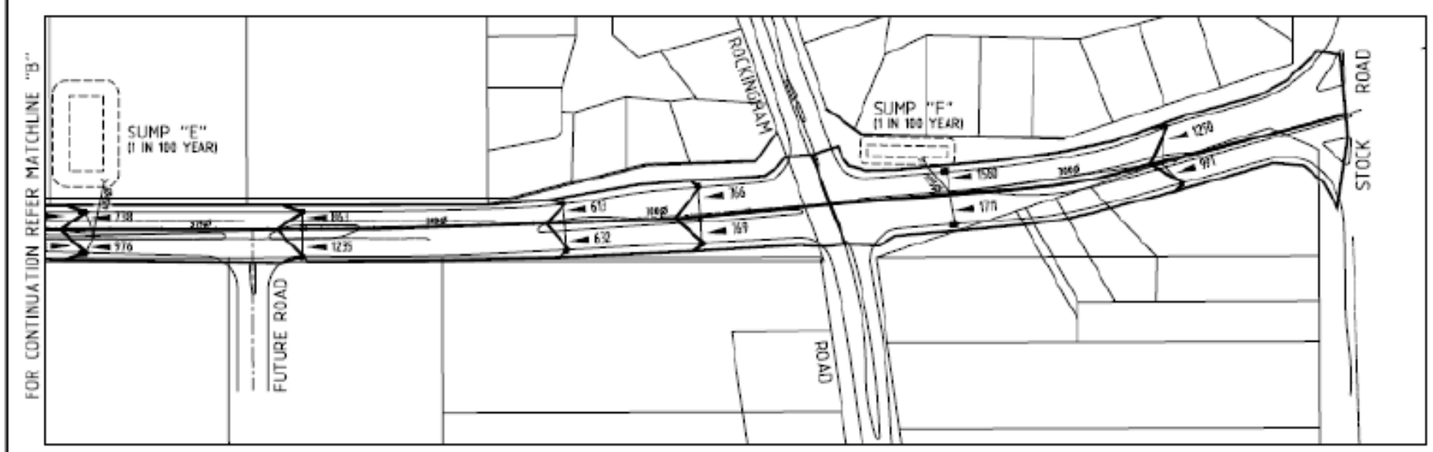
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61\12020\CAD\6112020C06.DWG 21 March 2002 - 12:21AM

REFERENCES :

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STORAGE REQUIRED (100YR) = 154m³
STORAGE VOLUME = 195m³
SIDE SLOPE = 1 IN 5
SUMP TOP 34m x 16m x 1.6m - UNFENCED

SUMP CRITERIA (SUMP "B")
STORAGE REQUIRED (100YR) = 371m³
STORAGE VOLUME = 484m³
SIDE SLOPE = 1 IN 5
SUMP TOP 46m x 18m x 1.8m - UNFENCED

SUMP CRITERIA (SUMP "C")
STORAGE REQUIRED (10YR = 208m³
STORAGE VOLUME = 220m³
SIDE SLOPE = 1 IN 5
SUMP TOP 30m x 20m x 1.3m - UNFENCED

SUMP CRITERIA (SUMP "D")
STORAGE REQUIRED (10YR = 362m³
STORAGE VOLUME = 325m³
SIDE SLOPE = 1 IN 5
SUMP TOP 30m x 25m x 1.3m - UNFENCED

SUMP CRITERIA (SUMP "E")
STORAGE REQUIRED (100YR) = 500m³
STORAGE VOLUME = 514m³
SIDE SLOPE = 1 IN 6
SUMP TOP 34m x 30m x 1.8m - UNFENCED

SUMP CRITERIA (SUMP "F")
STORAGE REQUIRED (100YR) = 814m³
STORAGE VOLUME = 984m³
SIDE SLOPE = 1 IN 1.5
SUMP TOP 34m x 18m x 2.0m - FENCED

NOTE
LOCATION AND ORIENTATION OF ALL DRAINAGE SUMPS IS INDICATIVE ONLY

LEGEND
PROPOSED DRAINAGE
CATCHMENT BOUNDARY
999 PIT CATCHMENT AREA (PERVIOUS m²)

STATUS: CONCEPT

REFERENCES:

No.	Revision — Issues on CAD do not amount to issue	Checked	Approved	Date	M./Thm
A	ISSUED FOR APPROVAL				

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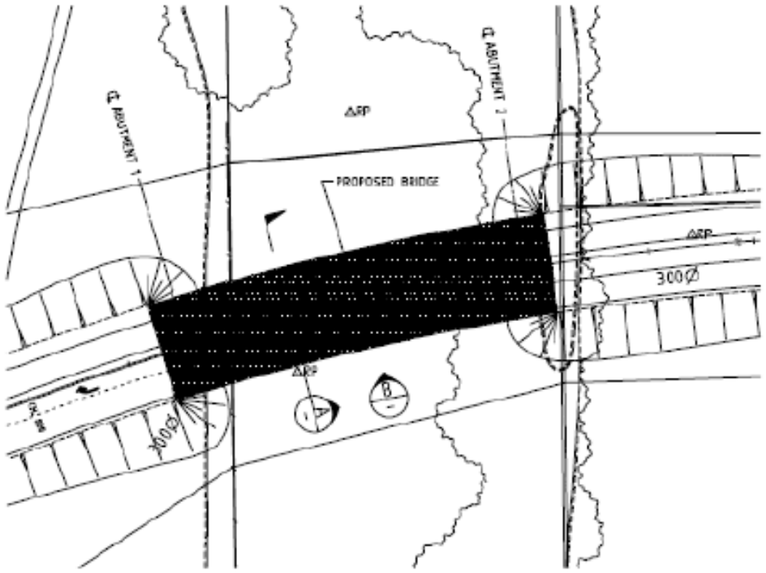
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Check Check
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Job BEELIAR DRIVE, MUNSTER
Title DRAINAGE CATCHMENT PLAN

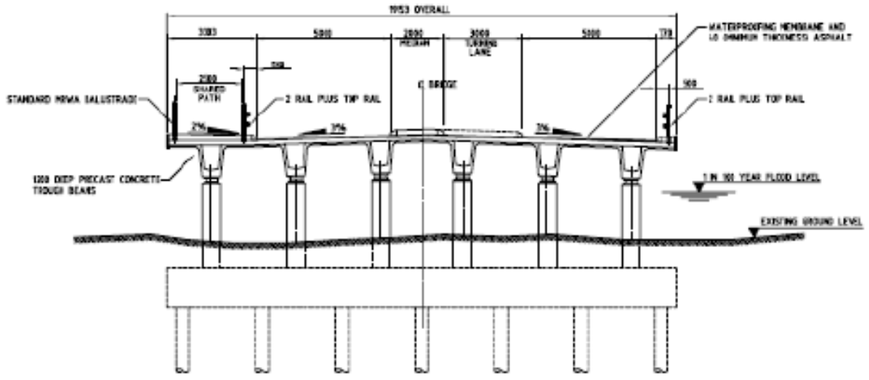
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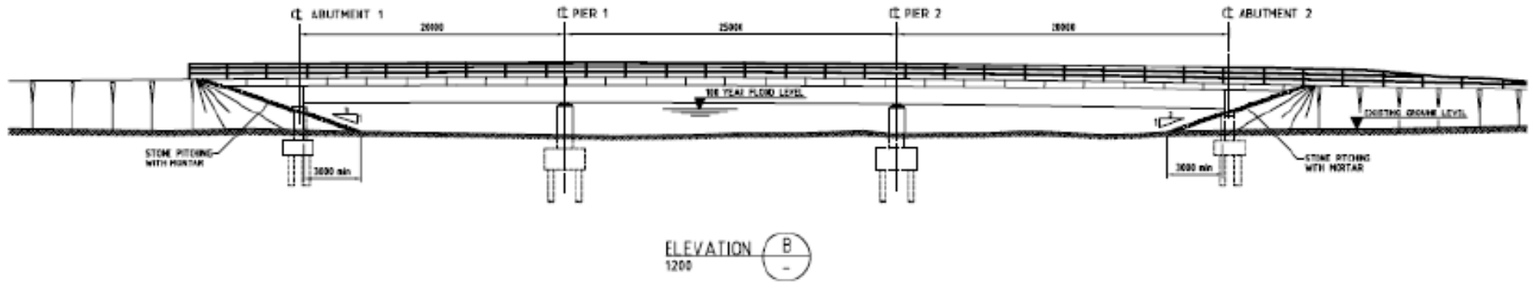
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PLAN
1:500



SECTION A
1:100



ELEVATION B
1:200

DESIGN INFORMATION

1. DESIGN TO BE IN ACCORDANCE WITH THE 1996 AUSTRALIAN BRIDGE DESIGN CODE.
2. DEAD LOADS AS PER CODES.
3. TRAFFIC LOADS - SM1600 LOADING AS PER MRWA "INTERIM BRIDGE DESIGN LOADS" TECHNICAL NOTES, AUGUST 2000
   PEDESTRIAN LOAD - AS PER BDC
4. WIND SPEED - SERVICEABILITY L.S. 38m/s
   - ULTIMATE L.S. 52m/s
5. FLOOD DATA - N/A
6. EARTHQUAKE ACCELERATION CO-EFFICIENT a=0.09
7. DIFFERENTIAL SETTLEMENT ALLOWANCE 20mm AT PIER
   20mm AT ABUTMENTS

No.	Revision – Revise on CAD as not amend by hand	Checked	Approved	Date	M/Tim
A	ISSUED FOR APPROVAL				

REFERENCES :

NOTE = INDICATES SIGNATURES ON ORIGINAL ISSUE OF DRAWING OR LAST REVISION OF DRAWING

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Drawing File No.

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Scale: AS SHOWN
Drawn: ALS FEB 02 | Designed: ALS FEB 02
Drafting Check: A. LEE | Design Check: T. KHLAY
Approved:

This Drawing must not be used for Construction Unless signed as Approved

Client: CITY OF COCKBURN
Project: BEELIAR DRIVE, MUNSTER
Title: BRIDGE OVER WETLANDS AT CH. 860m
CONCEPT GENERAL ARRANGEMENT

Size: A1 | Drg. No. 6112020-C08 | Rev: A

61\12020\CAD\61120C08.DWG 21 March 2002 - 12:12AM 3449

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