

6.4.2 Princes Highway Intersection Upgrades, Officer

Responsible GM: Peter Benazic
Author: Peter Quigley

Recommendation(s)

That Council:

1. Accept the following tenders submitted by Negri Contractors Pty Ltd, subject to additional Federal Government funding for:
 - a) Contract 21-034, Princes Highway/Bayview Rd intersection, \$8,759,611.49 (exc GST)
 - b) Contract 21-036, Princes Hwy/Station St/Tivendale Rd Intersection, \$7,403,519.83 (exc GST)
2. Advise the remaining Tenderers accordingly

Attachments

1. CT 21-034 Bayview Rd Princes Highway Intersection - Tender Plans [6.4.2.1 - 118 pages]
2. CT 21-036 Station St Tivendale Rd Tender Drawings [6.4.2.2 - 141 pages]
3. CONFIDENTIAL - Confidential Council Memo Contracts 21 034 21 036 [6.4.2.3 - 10 pages]

Executive Summary

The tenders for the upgrade of the Princes Highway intersections at Bayview Road and Tivendale Road/Station Street have been received. The tenders submitted by Negri Contractors Pty Ltd have been evaluated and are deemed the most advantageous for Council, providing the best value for money and excellent service through their experience.

These two projects are part DCP funded and part Federally funded. The total combined tender amount, when combined with the services relocation costs, exceeds the total funds available for these projects. Additional funds have been sought from the Australian Government and an in-principal agreement has been given by the Minister, however confirmation of the additional funding is not expected until early April 2022.

Consequently, it is recommended that Council delegate the acceptance of both tenders to the CEO to enable formal acceptance once additional funding is obtained and avoid further delays progressing to construction.

Background

The Officer Precinct Structure Plan identified the need to upgrade several intersections along the Princes Highway between Beaconsfield and Pakenham. Significant Federal Funding has been gained to supplement the DCP funds available for these works.

The Princes Highway Intersections Upgrade project includes Bayview Rd and Station St/Tivendale Rd intersections.

To date, two intersections (O'Neil Road and Glismann Road/Beaconsfield Avenue) have been constructed under the project.

Future intersections to be upgraded include Brunt Road/Whiteside Road, Arena Parade, and McMullen Road.

The upgrading of the Bayview Rd intersection includes the connection to existing Pioneer Way and allowance for the future north-south arterial road to be delivered by the state.

Construction of both intersections also involve significant relocation of services that is currently underway.

The layout of the upgraded intersections is in accordance with the proposals contained in the PSP and will result in the intersection being constructed to the ultimate requirement as determined by DoT.

Tenders were publicly advertised on 15th November 2021 and closed on 14th December 2021 at 2.00pm. It is a federal funding requirement that for any contracts exceeding \$4M (inclusive of GST), all tenderers are to be prequalified under the Federal Work Health and Safety Scheme, and Council also set a DoT prequalification level of R4 or F005. Due to this requirement, the Construction Contracts Panel could not be utilised.

Tenders were evaluated against the criteria of compliance with the specifications, financial viability, risk and insurance, compliance to conditions of contract, conflict of interest, OHS, quality systems, quality of previous work, project plan, pricing and value for money, compliance with the specifications, capability, relevant experience, and past performance of the tenderer.

The following table details the tenders (exc GST).

Contractor name	Contract 21-034 Princes Hwy/Bayview Rd Intersection (exc GST)	Contract 21-036 Princes Hwy/Station St/Tivendale Rd Intersection (exc GST)
Negi Contractors	\$8,962,111.49	\$7,606,019.83
MACA Infrastructure	\$10,311,373.31	\$8,382,782.58
BMD	\$11,367,409.78	\$10,447,363.91

Two tenderers offered the following discounts should they be awarded both contracts:

Negri Contractors	\$405,000
MACA	\$150,000

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Policy Implications

2. Livable places

Priority: How we plan and grow creates places that enhance our community's health and wellbeing

Strategies:

- 2.1 Advocate, plan for and deliver accessible community infrastructure and services that address community need.
- 2.5 Upgrade Council's road network to improve safety and connectivity while considering traffic demand and freight transport needs.

3. Thriving environments

Priority: We value our natural assets and support our biodiversity to thrive

Strategies:

- 3.1 Partner with the community, business and industry to take action on, and adapt to, climate change.
- 3.3 Work with the community to improve and manage our natural assets, biodiversity and cultural heritage.
- 3.5 Facilitate community stewardship to build preparedness for natural threats.

5. Responsible leaders

Priority: We are accountable and make informed and responsive decisions that balance our current and future community's needs

Strategies:

- 5.1 Build trust through meaningful community engagement and transparent decision-making.
- 5.2 Manage our finances responsibly and leave a positive legacy for future generations.

Fits into Council's theme: together, differently, for the future.

The works have been developed in accordance with the Officer Precinct Structure Plan

Relevance to Council Plan

2.1 We support the creation of liveable spaces and places

2.1.5 Upgrade Council's road network to improve safety and connectivity while considering traffic demand and freight transport needs.

Climate Emergency Consideration

Council declared a climate emergency on 16 September 2019 in response to the overwhelming climate science which indicates rising global temperatures are putting our local economy, people, species and ecosystems at risk. This declaration resolved to:

- Give priority to policy and actions that will provide for both mitigation and adaptation in response to accelerating global warming and climate change

The Council Plan acknowledges tackling climate change and its impact on our environment, economy and people. The effects of climate change are already being seen through more warm spells, frequent and intense downpours and longer fire seasons. It's impacting our biodiversity, water supplies, energy demand and health. As outlined in our Sustainable Environment Policy 2018-28, we recognise that every action our community and Council takes influences our environment. We want to make that influence as positive as possible.

Consultation/Communication

Consultation with DoT (VicRoads) and all relevant service Authorities has been undertaken and extent of service relocation established. DOT (VicRoads) have approved all design plans.

Members of the project team have also held an information session (online) as part of the Officer Community Association general meeting in September 2021. Members were invited to seek questions and feedback from the local community and relay to Council.

Further consultation has commenced with local businesses and residents in the Officer area to advise them of the upcoming road works.

Information regarding the projects, including layout plans and project features, have been made public on Councils Better Local Roads website.

Financial and Resource Implications

These projects are part DCP funded (Bayview Rd \$3,748,854.00, Station St/Tivendale Rd \$2,297,489.00) and part Federally funded (\$8,751,955.00). Total funds available for these projects are therefore \$14,798,298.00. When combined with the required cost of services relocations, there is a total project budget shortfall and additional funds have been sought from the Federal Government with an in-principal agreement being given by the Minister, however confirmation of the additional funding is not expected until early April 2022.

Conclusion

It is recommended that the tenders submitted by Negri Contractors, subject to additional Federal Government funding, be accepted for:

- Contract 21-034, Princes Highway/Bayview Rd intersection, \$8,759,611.49 (exc GST)
- Contract 21-036, Princes Hwy/Station St/Tivendale Rd Intersection, \$7,403,519.83 (exc GST)

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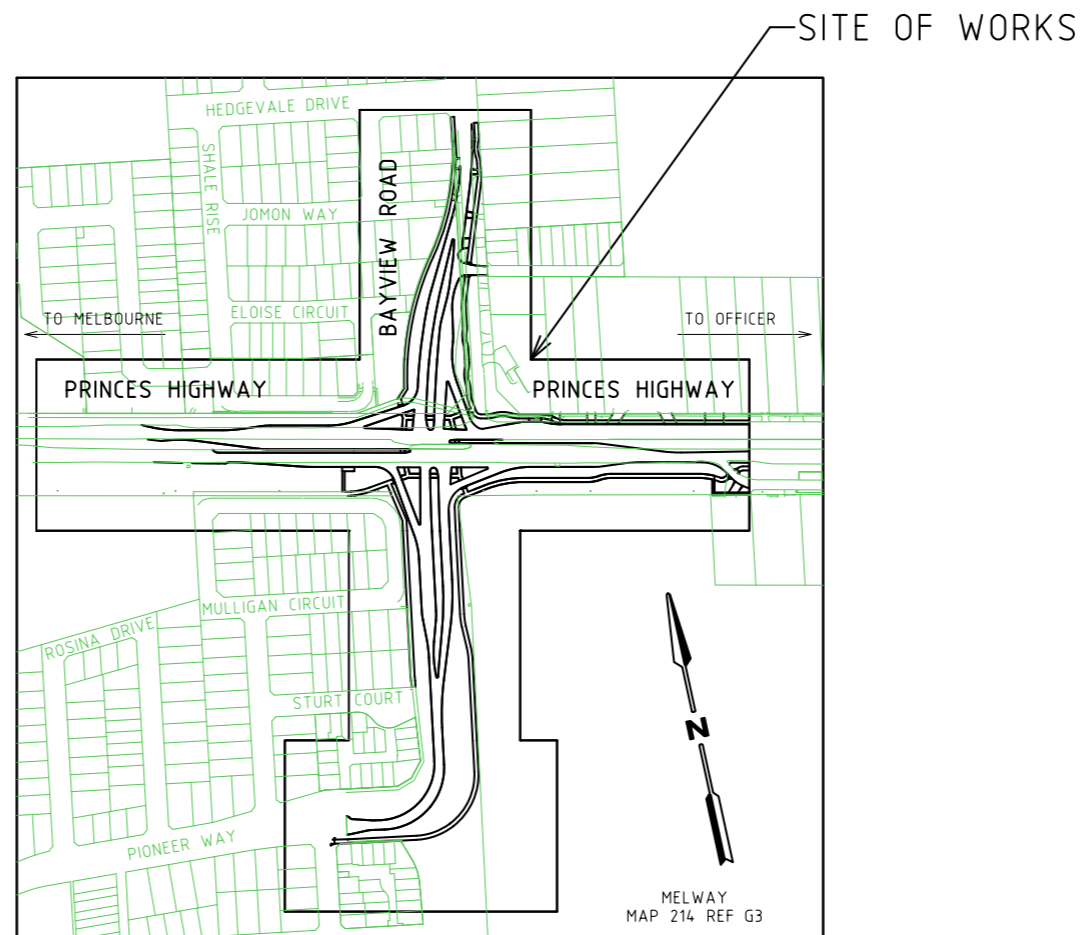
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CSC PART B - BAYVIEW ROAD

BAYVIEW ROAD AND PRINCES HIGHWAY INTERSECTION

CONTRACT No. 19-43B

DRAWINGS



LOCALITY PLAN

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
1	11.02.21	PRELIMINARY ISSUE	SB	PC

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Drawn	S.BECKHAM	Client	CARDINIA SHIRE COUNCIL
Designed	S.BECKHAM	Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Checked	P.CHATTERLEY	Title	LOCALITY FACE SHEET
Authorised	P.CHATTERLEY	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
		Date	10.06.2020
		Scale	1:5000
		Size	A3
		Drawing Number	V191441-CI-DG-0200
		Revision	4

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CIVIL			REV.			DRAWING NO.			DESCRIPTION			REV.			DRAWING NO.			DESCRIPTION			DRAINAGE SECTIONS AND DETAILS		
3	V191441-CI-DG-0200.dgn	LOCALITY FACE SHEET	3	V191441-CI-DG-4222.dgn	CH 30360	2	V191441-CI-DG-7251.dgn	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1															
3	V191441-CI-DG-0201.dgn	TABLE OF CONTENTS	3	V191441-CI-DG-4223.dgn	CH 30380 & CH 30400	2	V191441-CI-DG-7252.dgn	DRAINAGE LONGITUDINAL SECTIONS - SHEET 2															
2	V191441-CI-DG-0202.dgn	CIVIL LEGEND	3	V191441-CI-DG-4224.dgn	CH 30420 & CH 30440	2	V191441-CI-DG-7253.dgn	DRAINAGE LONGITUDINAL SECTIONS - SHEET 3															
2	V191441-CI-DG-0203.dgn	GENERAL NOTES	3	V191441-CI-DG-4225.dgn	CH 30448.54 & CH 30460	2	V191441-CI-DG-7254.dgn	DRAINAGE LONGITUDINAL SECTIONS - SHEET 4															
			3	V191441-CI-DG-4226.dgn	CH 30480 & CH 30496.03	2	V191441-CI-DG-7255.dgn	DRAINAGE LONGITUDINAL SECTIONS - SHEET 5															
			3	V191441-CI-DG-4227.dgn	CH 30500 & CH 30520	2	V191441-CI-DG-7256.dgn	DRAINAGE LONGITUDINAL SECTIONS - SHEET 6															
			3	V191441-CI-DG-4228.dgn	CH 30540	2	V191441-CI-DG-7257.dgn	DRAINAGE LONGITUDINAL SECTIONS - SHEET 7															
						2	V191441-CI-DG-7258.dgn	DRAINAGE LONGITUDINAL SECTIONS - SHEET 8															
						2	V191441-CI-DG-7259.dgn	DRAINAGE LONGITUDINAL SECTIONS - SHEET 9															
						2	V191441-CI-DG-7260.dgn	DRAINAGE LONGITUDINAL SECTIONS - SHEET 10															
						2	V191441-CI-DG-7261.dgn	DRAINAGE LONGITUDINAL SECTIONS - SHEET 11															
						2	V191441-CI-DG-7262.dgn	DRAINAGE LONGITUDINAL SECTIONS - SHEET 12															
						2	V191441-CI-DG-7263.dgn	DRAINAGE LONGITUDINAL SECTIONS - SHEET 13															
						2	V191441-CI-DG-7264.dgn	DRAINAGE LONGITUDINAL SECTIONS - SHEET 14															
						2	V191441-CI-DG-7265.dgn	PIT SCHEDULE - SHEET 1															
						2	V191441-CI-DG-7266.dgn	PIT SCHEDULE - SHEET 2															

TYPICAL CROSS SECTIONS		
4	V191441-CI-DG-1201.dgn	CH 10100 & CH 10200
4	V191441-CI-DG-1202.dgn	CH 10360 & CH 10480
4	V191441-CI-DG-1203.dgn	CH 30100 & CH 30240
4	V191441-CI-DG-1204.dgn	CH 30400 & CH 30520

GEOMETRIC PLANS		
3	V191441-CI-DG-1251.dgn	PRINCES HIGHWAY
3	V191441-CI-DG-1252.dgn	PRINCES HIGHWAY
3	V191441-CI-DG-1253.dgn	BAYVIEW ROAD
3	V191441-CI-DG-1254.dgn	BAYVIEW ROAD

ALIGNMENT PLANS		
3	V191441-CI-DG-2200.dgn	ALIGNMENT KEY PLAN
4	V191441-CI-DG-2201.dgn	CH 10000 - CH 10190
4	V191441-CI-DG-2202.dgn	CH 10190 - CH 10375
4	V191441-CI-DG-2203.dgn	CH 10375 - CH 10520
4	V191441-CI-DG-2204.dgn	CH 30000 - CH 30090
4	V191441-CI-DG-2205.dgn	CH 30090 - CH 30270
4	V191441-CI-DG-2206.dgn	CH 30390 - 30572.202

LONGITUDINAL SECTIONS		
3	V191441-CI-DG-3201.dgn	CH 10000 - CH 10300
3	V191441-CI-DG-3202.dgn	CH 10300 - CH 10520
3	V191441-CI-DG-3203.dgn	CH 20000 - CH 20300
3	V191441-CI-DG-3204.dgn	CH 20300 - CH 20520
3	V191441-CI-DG-3205.dgn	CH 30000 - CH 30300
3	V191441-CI-DG-3206.dgn	CH 30300 - CH 30572.202
3	V191441-CI-DG-3207.dgn	CH 40000 - CH 40300
3	V191441-CI-DG-3208.dgn	CH 40300 - CH 40571.678

CROSS SECTIONS		
3	V191441-CI-DG-4201.dgn	CH 10060 & CH 10080
3	V191441-CI-DG-4202.dgn	CH 10086.25 & CH 10099.2
3	V191441-CI-DG-4203.dgn	CH 10100 & CH 10120
3	V191441-CI-DG-4204.dgn	CH 10140 & CH 10160
3	V191441-CI-DG-4205.dgn	CH 10180 & CH 10200
3	V191441-CI-DG-4206.dgn	CH 10220
3	V191441-CI-DG-4207.dgn	CH 10280
3	V191441-CI-DG-4208.dgn	CH 10340 & CH 10360
3	V191441-CI-DG-4209.dgn	CH 10380 & CH 10400
3	V191441-CI-DG-4210.dgn	CH 10420 & CH 10440
3	V191441-CI-DG-4211.dgn	CH 10460 & CH 10480
3	V191441-CI-DG-4212.dgn	CH 10500 & CH 10520
3	V191441-CI-DG-4213.dgn	CH 30000 & CH 30020
3	V191441-CI-DG-4214.dgn	CH 30028.46 & CH 30040
3	V191441-CI-DG-4215.dgn	CH 30060 & CH 30080
3	V191441-CI-DG-4216.dgn	CH 30096.98 & CH 30100
3	V191441-CI-DG-4217.dgn	CH 30120 & CH 30140
3	V191441-CI-DG-4218.dgn	CH 30160 & CH 30180
3	V191441-CI-DG-4219.dgn	CH 30200 & CH 30220
3	V191441-CI-DG-4220.dgn	CH 30240 & CH 30260
3	V191441-CI-DG-4221.dgn	CH 30266.76 & CH 30280

SETOUT PLANS		
2	V191441-CI-DG-5201.dgn	CH 10000 - CH 10190
2	V191441-CI-DG-5202.dgn	CH 10190 - CH 10375
2	V191441-CI-DG-5203.dgn	CH 10375 - CH 10520
2	V191441-CI-DG-5204.dgn	CH 30000 - CH 30090
2	V191441-CI-DG-5205.dgn	CH 30090 - CH 30270
2	V191441-CI-DG-5206.dgn	CH 30390 - 30572.202

LIP PROFILE SECTIONS AND DETAILS		
2	V191441-CI-DG-5251.dgn	LIP PROFILE AA & AB
2	V191441-CI-DG-5252.dgn	LIP PROFILE AC & AD
2	V191441-CI-DG-5253.dgn	LIP PROFILE AE & AF
2	V191441-CI-DG-5254.dgn	LIP PROFILE AG & AH
2	V191441-CI-DG-5255.dgn	LIP PROFILE AJ
2	V191441-CI-DG-5256.dgn	LIP PROFILE AK & AL
2	V191441-CI-DG-5257.dgn	LIP PROFILE AM & AN
2	V191441-CI-DG-5258.dgn	LIP PROFILE AP
2	V191441-CI-DG-5259.dgn	LIP PROFILE AQ & AR
2	V191441-CI-DG-5260.dgn	LIP PROFILE AS
2	V191441-CI-DG-5261.dgn	LIP PROFILE AU & AV
2	V191441-CI-DG-5262.dgn	LIP PROFILE AW
2	V191441-CI-DG-5263.dgn	LIP PROFILE AX
2	V191441-CI-DG-5264.dgn	LIP PROFILE AX, AAA & AAB
2	V191441-CI-DG-5265.dgn	LIP PROFILE AAC
2	V191441-CI-DG-5266.dgn	LIP PROFILE AAD & AAE
2	V191441-CI-DG-5267.dgn	LIP PROFILE AAF & AAG
2	V191441-CI-DG-5268.dgn	LIP PROFILE AAH & AAJ
2	V191441-CI-DG-5269.dgn	LIP PROFILE AAK
2	V191441-CI-DG-5270.dgn	KERB SETOUT DETAILS SHEET 1
2	V191441-CI-DG-5271.dgn	KERB SETOUT DETAILS SHEET 2

PAVEMENT PLANS		
3	V191441-CI-DG-6201.dgn	CH 10000 - CH 10190
3	V191441-CI-DG-6202.dgn	CH 10190 - CH 10375
3	V191441-CI-DG-6203.dgn	CH 10375 - CH 10520
3	V191441-CI-DG-6204.dgn	CH 30000 - CH 30090
3	V191441-CI-DG-6205.dgn	CH 30090 - CH 30270
3	V191441-CI-DG-6206.dgn	CH 30390 - 30572.202

PAVEMENT DETAILS		
3	V191441-CI-DG-6250.dgn	PAVEMENT DETAILS
3	V191441-CI-DG-6251.dgn	PAVEMENT JOINT DETAILS

DRAINAGE PLANS		
3	V191441-CI-DG-7201.dgn	CH 10000 - CH 10190
3	V191441-CI-DG-7202.dgn	CH 10190 - CH 10375
3	V191441-CI-DG-7203.dgn	CH 10375 - CH 10520
3	V191441-CI-DG-7204.dgn	CH 30000 - CH 30090
3	V191441-CI-DG-7205.dgn	CH 30090 - CH 30270
3	V191441-CI-DG-7206.dgn	CH 30390 - 30572.202

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LEGEND

CIVIL

- TREE REMOVED
- TREE RETAINED
- TREE IMPACTED AND SUBJECT TO ARBORIST ASSESSMENT IF RETAINED
- LIGHT POLE
- EXISTING STREET LIGHT / POWER POLE TO BE REMOVED/ RELOCATED
- EXISTING ROW BOUNDARY
- NEW ROW BOUNDARY
- SAFETY BARRIER - EZY-GUARD SMART GUARD RAIL
- EARTHWORKS BATTER
- BOLLARDS

PAVEMENTS

- TYPE 1 - DEEP ASPHALT PAVEMENT - PRINCES HWY INTERSECTION
- TYPE 2 - DEEP ASPHALT PAVEMENT - BAYVIEW RD NORTH
- TYPE 3 - DEEP ASPHALT PAVEMENT - BAYVIEW RD SOUTH
- TYPE 4 - PAVEMENT RESURFACING DETAIL
- TYPE 5 - SHARED USER PATH
- TYPE 6 - DRIVEWAYS
- TYPE 7 - CONCRETE INFILL (TRAFFIC ISLAND)
- TYPE 8 - BUSBAY FOOTPATH
- TYPE VP PAVEMENT
- PAVEMENT TO BE REMOVED
- EXISTING PAVEMENT

EXISTING UTILITIES

- DRAINAGE (UNDERGROUND)
- ELECTRICAL (OVERHEAD)
- ELECTRICAL (UNDERGROUND)
- GAS (UNDERGROUND)
- SEWER (UNDERGROUND)
- TELECOMMUNICATIONS (UNSPECIFIED)
- WATER (UNDERGROUND)
- PROVEN DRAINAGE (UNDERGROUND)
- PROVEN ELECTRICAL (OVERHEAD)
- PROVEN ELECTRICAL (UNDERGROUND)
- PROVEN GAS (UNDERGROUND)
- PROVEN SEWER (UNDERGROUND)
- PROVEN TELECOMMUNICATIONS (UNSPECIFIED)
- PROVEN WATER (UNDERGROUND)

UTILITIES ACTION LEGEND

- UTILITY TO BE REMOVED / RELOCATED
- ROUTE OF NEW DRAINAGE
- ROUTE OF NEW ELECTRICAL
- EXISTING DRAINAGE REMOVED
- EXISTING ELECTRICAL REMOVED

DRAINAGE

- UPVC SMOOTH TRANSFER DRAIN (NO FINES)
- CORRUGATED (NO FINES)
- UPVC SMOOTH SLOTTED (NO FINES)
- CORRUGATED
- UPVC SMOOTH SLOTTED
- PIPE, FLOW AND SIZE
- GRASSED CATCH OR SWALE DRAIN
- WING WALL OR HEAD WALL
- PIT
- OUTLET
- FLUSHOUT RISER
- INVERT LEVEL TEXT
- PIT
- PIT NUMBER
- ROCK BEACHING

Rev	Date	Description	Drawn	Appr.
3	22.10.21	ISSUE FOR TENDER	SB	PC
2	25.08.21	DETAIL DESIGN ISSUE	SB	PC
1	06.08.21	DETAIL DESIGN FOR APPROVAL	SB	PC

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 501 Swanston Street, Melbourne, VIC Australia 3000
 Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
 Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CIVIL LEGEND

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:2500
Size	A3		
Drawing Number	V191441-CI-DG-0202	Revision	3

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GENERAL NOTES :								
1. GENERAL:	ELECTRONIC PLANS MAY BE PROVIDED TO ASSIST THE CONTRACTOR BUT DO NOT FORM PART OF THE CONTRACT. IN THE CASE OF DISCREPANCY BETWEEN THE ELECTRONIC INFORMATION AND THE HARD COPY PLANS THE HARD COPY PLANS TAKE PRECEDENT. CONSTRUCTION WORKS ARE TO BE UNDERTAKEN BY A PRE-QUALIFIED VICROADS (NOW DEPARTMENT OF TRANSPORT) CONTRACTOR WITH COMPETENCY IN THE REQUIRED CATEGORIES TO COMPLETE THE WORKS. REQUIREMENTS FOR PRACTICAL COMPLETION INCLUDE ALL REQUIREMENTS AS PER MELBOURNE WATER, VICROADS, SERVICE AUTHORITY AND CARDINIA SHIRE COUNCIL STANDARDS, PERMITS AND CONDITIONS.	EXISTING:	ALL EXISTING TREES IN THE VICINITY OF THE TRAFFICABLE AREAS THAT ARE TO BE RETAINED SHALL BE PRUNED, ROOTS CUT & SEALED WHERE THEY EXTEND BENEATH NEW WORKS BY APPROPRIATELY QUALIFIED PERSONNEL. TREES TO BE REMOVED SHALL HAVE ALL ROOTS GRUBBED OUT AND BE MADE GOOD WITH COMPACTED FILL. REFER TO ARBORIST REPORT AND SEEK APPROVAL FROM SUPERINTENDANT PRIOR TO COMMENCEMENT OF WORKS.	LIGHTING:	FOR PROPOSED PUBLIC LIGHTING WORKS REFER TO ELECTRICAL DRAWINGS BY POWERPLANT. ALL ELECTRICAL WORKS AS DOCUMENTED ARE TO BE ALLOWED FOR INCLUDING ALL FITTINGS, CONDUITS, CABLE ETC. AND COORDINATION WITH THE CIVIL WORKS.			
2. SURVEY:	THESE PLANS ARE BASED UPON THE EXISTING CONDITIONS SURVEY PREPARED BY CARDNO. LEVELS SHOWN ARE TO A.H.D DATUM. SET OUT THE CONTRACTOR SHALL SET OUT THE WORKS FROM THE NOMINATED DESIGN LINES, SURVEY BENCHMARKS AND CONTROL POINTS SHOWN ON THE PLANS AND TO THE SPECIFIED DETAILS. UPON REQUEST AN ELECTRONIC BASE PLAN OF THE CIVIL DRAWING CAN BE SUPPLIED. WHERE CARDNO'S COMPUTER MODELS ARE UTILISED FOR SET OUT IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THAT THE PROPOSED VERTICAL AND HORIZONTAL ALIGNMENT ARE CONSISTENT WITH THE INFORMATION SHOWN ON THE DRAWINGS. ANY DISCREPANCY SHALL BE REFERRED TO CARDNO PRIOR TO CONSTRUCTION. UPON THE COMPLETION OF THE WORKS THE CONTRACTOR SHALL CONFIRM WORKS ARE SATISFACTORILY COMPLETED AND 'AS CONSTRUCTED' SURVEY TO BE ARRANGED BY THE DEVELOPER OR CONSULTANT. SHOULD WORKS NOT MEET SPECIFICATION AND DESIGN INTENT, THE COST OF RESURVEY IS TO BE BORNE BY THE CONTRACTOR.	5. SITE CLEARANCE:	DEMOLISH ALL EXISTING REDUNDANT CONCRETE, PAVEMENT, SOIL, RUBBISH AND CONSTRUCTION DEBRIS SHALL BE TAKEN UP AND REMOVED FROM SITE.	ADJUSTMENTS:	ALL EXISTING PITS AND SERVICE FITTINGS THAT ARE TO REMAIN WITHIN THE PAVEMENT AREAS SHALL BE REBUILT TO MATCH PROPOSED LEVELS AND WHERE APPLICABLE FITTED WITH AN APPROPRIATE HEAVY DUTY AUTHORITY APPROVED COVER. ELSEWHERE EXISTING SERVICES SHALL BE ADJUSTED TO SUIT NEW ADJACENT LEVELS. THE RELEVANT AUTHORITY IS TO BE NOTIFIED PRIOR TO ANY WORKS ON THEIR ASSETS AND SERVICES ARE TO BE ADJUSTED BY OR TO THE RELEVANT AUTHORITY REQUIREMENTS			
DIMENSIONS:	ALL DIMENSIONS ARE TO INVERT OF KERB OR OUTER EDGE OF LINEMARKING WHERE APPLICABLE. REFERENCES PROTECTION THE CONTRACTOR SHALL MAINTAIN AND PROTECT THE PEGS AND SURVEY MARKS FOR THE DURATION OF THE WORKS. AS-CONSTRUCTED SURVEY UPON COMPLETION OF THE CIVIL WORKS THE CONTRACTOR SHALL PROVIDE CERTIFIED AS-CONSTRUCTED PLANS OF THE WORKS AND AN AS-CONSTRUCTED SURVEY OF ALL CARDINIA SHIRE COUNCIL DRAINAGE WORKS IN SPEC FORMAT OR EQUIVALENT TO CARDINIA SHIRE COUNCIL REQUIREMENTS.	CLEAN UP:	PRIOR TO COMPLETION, THE CONTRACTOR SHALL ENSURE THE SITE OF WORKS IS TIDED AND OBTAIN A CLEARANCE FROM THE SUPERINTENDANT AND OR CARDINIA SHIRE COUNCIL NOMINATED REPRESENTATIVE OR THE PROJECT MANAGER.	NOTE:	CONTRACTOR TO MAKE ALLOWANCE IN THEIR PRICE FOR RELOCATION OF ALL SERVICES AFFECTED BY THE PROPOSED WORKS. UNLESS NOTED OTHERWISE ON THE DRAWINGS.			
3. EARTHWORKS:	GENERAL EARTHWORKS SHALL BE CARRIED OUT TO THE FINISHED SURFACE LEVELS SHOWN ON THE PLANS AND CROSS SECTIONS. CUT BATTERS SHALL NOT EXCEED 1 IN 6 AND FILL BATTERS SHALL NOT EXCEED 1 IN 6 SLOPE UNLESS INDICATED OTHERWISE.	6. DRAINAGE:	DRAINAGE PIPES ABOVE 225* TO BE MINIMUM OF CLASS 2 REINFORCED CONCRETE, FRCP OR SRCP (RUBBER RING JOINTED) UNLESS OTHERWISE SPECIFIED. DRAINAGE PIPES UP TO 225* TO BE SEWER QUALITY UPVC (RUBBER RING JOINTED). COMPACTED CLASS 2 FCR BACKFILL SHALL BE INSTALLED TO PIPES UNDER ROAD PAVEMENTS AND BUILDING SLABS. TRENCHES IN LANDSCAPE AREAS CAN BE BACKFILLED WITH SELECTED CLAY FILL.	PROPOSED SERVICES:	PROPOSED SERVICES REFER TO SEPARATE SERVICE DRAWINGS FOR PROPOSED LOCATION OF ELECTRICAL, SEWER, WATER, GAS AND OR TELECOMMUNICATIONS SERVICES. SERVICE TRENCHES LOCATED UNDER PROPOSED PAVEMENTS INCLUDING VEHICLE CROSSINGS AND FOOTPATHS SHALL BE BACKFILLED WITH COMPACTED CLASS 2 FCR TO CAPPING LAYER OR EQUIVALENT. TRENCHES WHICH ENCRANCH WITHIN 150mm OF THE EDGE OF PAVEMENT SHALL ALSO BE BACKFILLED WITH APPROVED FCR MATERIAL.			
GEOTECHNICAL DATA:	REFER TO THE GEOTECHNICAL REPORT PREPARED BY CARDNO FOR PAVEMENT RECOMMENDATIONS AND SOIL CONDITIONS. THESE NOTES SHALL BE READ IN CONJUNCTION WITH THE REPORT.	EXISTING PIPES:	ALL EXISTING PIPES THROUGH EXISTING LANDSCAPE AREAS THAT WILL NOW BE BENEATH NEW ROAD PAVEMENT SHALL HAVE THE EXISTING BACKFILL REMOVED AND REPLACED UP UNTIL THE NOMINATED CAPPING LAYER OR EQUIVALENT WITH A CRUSHED ROCK BACKFILL COMPACTED TO 98% STANDARD.	12. INSPECTIONS:	GENERAL ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PROGRAMME TO THE SATISFACTION OF THE SUPERVISING ENGINEER AND SUBJECT TO PERIODICAL INSPECTION AND WRITTEN STAGED APPROVAL. ADDITIONAL INSPECTIONS CAN BE REQUESTED AT 48 HOURS NOTICE.			
SITE STRIP:	THE CONTRACTOR SHALL STRIP ALL AREAS SUBJECT TO BULK EARTHWORKS OR PAVEMENT CONSTRUCTION OF ALL TOPSOIL AND OTHER DELETERIOUS MATERIAL. THE SITE STRIPPING SHALL INCLUDE REMOVAL OF ALL UNSUITABLE MATERIAL TO A LEGAL SITE OF DISPOSAL TO EXPOSE THE CLAY SUBGRADE (CBR 3.0%).	PIPES:	DRAINAGE PITS TO BE CAST IN-SITU CONCRETE PITS AS DETAILED OR APPROVED PRECAST CONCRETE COMPLYING WITH THE RELEVANT AUSTRALIAN STANDARDS. ALL PITS DEEPER THAN 1.0M ARE TO BE PROVIDED WITH APPROVED STEP IRONS AT 300 MAX. CENTRES.	HOLD POINTS:	IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE RELEVANT HOLD POINT INSPECTIONS ARE UNDERTAKEN ASSOCIATED WITH THE WORKS. THE CONTRACTOR IS TO PRODUCE THE RELEVANT HOLD POINT REGISTERS WHICH ARE TO BE SIGNED OFF BY THE SUPERINTENDANT. SHOULD THE CONTRACTOR FAIL TO GAIN SIGN OFF ON THE SPECIFIED HOLD POINTS, THE SUPERINTENDANT OR DOT MAY REJECT THE WORKS, ACCEPT THE WORKS OR REQUEST FURTHER TESTING AT THEIR SOLE DISCRETION. HOLD POINT INSPECTIONS MUST BE BOOKED WITH THE SUPERINTENDANT AND DOT WITH A MINIMUM OF 48 HOURS NOTICE REQUIRED.			
SUBGRADE CONDITIONS:	EXISTING SUBGRADES ARE SILTY CLAY. THE SANDY/SILTY SUBGRADES IN PARTICULAR ARE SUSCEPTIBLE TO WATER PENETRATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SITE GRADING AND DRAINAGE AND TO PROTECT AND MAINTAIN SUBGRADES IN A SUITABLE CONDITION (MIN. CBR 3.0%) IN ORDER TO ACHIEVE THE COMPACTIONS SPECIFIED. SHOULD SUBGRADES BECOME SATURATED ANY UNSUITABLE MATERIAL IS TO BE REMOVED AND MADE GOOD WITH APPROVED FILL AND/OR LIME/CEMENT STABILIZED AS REQUIRED IN ORDER TO MAINTAIN SUBGRADES. ALL SUBGRADES ARE TO BE PROOF ROLLED AND APPROVED PRIOR TO CONSTRUCTION OF PAVEMENTS AND/OR COMMENCEMENT OF FILLING.	SUB-SOIL:	SUB-SURFACE DRAINAGE SHALL BE IN ACCORDANCE WITH VICROADS SPECIFICATIONS & STANDARD DRAWINGS UNLESS OTHERWISE NOTED AT MIN. GRADE OF 1:200 UNLESS OTHERWISE NOTED. SET OUT PIT LOCATIONS AND PIPE INVERT LEVELS ARE SPECIFIED ON THE PIT SCHEDULE.	EXTERNAL:	ALL WORKS IN ROAD RESERVATIONS SHALL REQUIRE WRITTEN APPROVAL OF THE COUNCIL'S SUPERINTENDANT AND ARE SUBJECT TO SEPARATE INSPECTIONS, WITH 28 DAYS NOTICE TO BE GIVEN PRIOR TO WORK COMMENCING. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY ROAD OPENING PERMITS AND AUTHORITY APPROVALS PRIOR TO COMMENCING WORKS.			
COMPACTION TO AS1289:	THE CONTRACTOR SHALL OBTAIN 98% STANDARD MINIMUM DRY DENSITY COMPACTION ON ALL FINISHED SUBGRADES AND FORMATIONS.	7. TRAFFIC MANAGEMENT:	TRAFFIC MANAGEMENT SHALL BE ARRANGED BY THE CONTRACTOR FOR THE DURATION OF THE WORKS IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.3-2002 FOR CONSTRUCTION TRAFFIC MANAGEMENT AND TO THE SATISFACTION OF ALL PARTIES, INCLUDING THE PROVISION OF ALL NECESSARY SIGNAGE, LIGHTING AND BARRICADING. TRAFFIC FLOWS IN ALL BUTTING ROADWAYS AND ACCESS TO THE SITE SHALL REMAIN UNIMPEDGED FOR THE DURATION OF THE CONTRACT. A TRAFFIC MANAGEMENT PLAN FOR ANY EXTERNAL ROADWORKS SHALL BE SUBMITTED TO CARDINIA SHIRE COUNCIL FOR APPROVAL A MINIMUM OF TWO WEEKS PRIOR TO COMMENCEMENT OF WORKS. CONTRACTOR TO MAKE PROVISION FOR A TEMPORARY POWER SUPPLY AS DIRECTED BY THE SUPERINTENDANT AND OR REPRESENTATIVE OF CARDINIA SHIRE COUNCIL.	13. PAVEMENTS:	SAWCUTTING ALL EXISTING PAVEMENT ADJACENT TO PROPOSED KERB OR PROPOSED JOINTS SHALL BE SAWCUT IN A NEAT LINE TO THE SATISFACTION OF THE SUPERVISING ENGINEER, AND TO HAVE 300mm OVERLAP. REFER TO STANDARD DETAILS.			
FILLING:	PRIOR TO THE COMMENCEMENT OF FILLING THE SITE SHALL BE STRIPPED AS NOTED. FILLING IS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND AS3798. APPROVED MATERIAL WON FROM SITE OR APPROVED IMPORTED FILL SHALL BE MOISTURE CONDITIONED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PRIOR TO BEING PLACED IN UNIFORM HORIZONTAL LAYERS OF 200mm MAXIMUM DEPTH AND COMPACTED AS SPECIFIED. ALL FINISHED SURFACES SHALL ACHIEVE A MINIMUM COMPACTION OF 100% STANDARD DRY DENSITY. COMPACTION TESTING OF ALL FILL SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF AS 3798.	8. TESTING	DATA THE CONTRACTOR SHALL SUPPLY WRITTEN TEST RESULTS FROM A NATA REGISTERED GEOTECHNICAL ENGINEER CONFIRMING COMPLIANCE WITH THE SPECIFICATIONS FOR ALL EARTHWORKS, CONCRETE WORKS, BACKFILL AND PAVEMENTS LAYERS. RESULTS WILL BE REVIEWED BY THE SUPERINTENDANT AND WHERE SO REQUIRED ADDITIONAL TESTS WILL BE PROVIDED BY THE CONTRACTOR TO THE SUPERINTENDANTS SATISFACTION. THE COST OF THE AUDIT TEST WILL BE BORNE BY THE CONTRACTOR.	TRENCHING:	ALL TRENCHING WORKS IN EXISTING PAVEMENTS SHALL HAVE SAWCUT EDGES AND NEW PAVEMENT REINSTATED TO NEATLY MATCH EXISTING LEVELS. FOR REMAINING EXISTING PAVEMENT AREAS THAT REMAIN, WHERE CRACKING IS EVIDENT SHALL BE SEALED WITH A PROPRIETARY BITUMINOUS PRODUCT TO THE MANUFACTURERS' SPECIFICATIONS. CONCRETE JOINTING SAWCUT OR TOOLED CONSTRUCTION JOINTS SHALL BE PROVIDED AT MAX. 2.0m CENTRES TO ALL FOOTPATHS OR PEDESTRIAN PAVING UNLESS NOTED OTHERWISE. A 19mm EXPANSION JOINT SHALL BE PROVIDED WHENEVER RIGID PAVEMENTS ABUT FIXED STRUCTURES OR AT MAX. 15m CENTRES TO FOOTPATHS. DOWELED SAWCUT AND CONSTRUCTION JOINTS SHALL BE PROVIDED TO ALL VEHICULAR PAVEMENTS AS DETAILED ON THE DRAWINGS, TYPICALLY NOT GREATER THAN 6.0m CENTRES AND JOINT SPACING SHALL ENSURE SLAB LENGTH (L) ≥ 15 SLAB WIDTH.			
INSPECTION & TESTING:	THE CONTRACTOR SHALL INSTRUCT A NATA REGISTERED GEOTECHNICAL ENGINEER TO CARRY OUT LEVEL 1 SUPERVISION TESTING AND REPORTING IN ACCORDANCE WITH AS3798 AND AS1289 AND TO RELEVANT COUNCIL REQUIREMENTS FOR THIS PROJECT. THIS REQUIRES THE GEOTECHNICAL CONSULTANT TO UNDERTAKE THE SAMPLING AND TESTING ON SITE AS SPECIFIED IN ADDITION THEY ARE RESPONSIBLE FOR THE SELECTION TIMING AND LOCATION OF SAMPLING ON EACH VISIT. THE GEOTECHNICAL CONSULTANT SHALL PROVIDE TEST RESULT TO THE SUPERINTENDANT AS THEY ARE TAKEN AND SUBMIT A COMPREHENSIVE FINAL REPORT TO THE SUPERINTENDANTS SATISFACTION PRIOR TO PRACTICAL COMPLETION. THE FREQUENCY OF TESTING SHALL BE IN ACCORDANCE WITH AS3798 TABLE 8.1 (ADOPTING WHICHEVER GIVES THE MOST TEST RESULTS).	9. LINEMARKING	EXISTING ALL REDUNDANT LINEMARKING SHALL BE PERMANENTLY REMOVED BY APPLICATION OF A SPRAY SEAL OR BY GRINDING AT THE DIRECTION OF THE SUPERINTENDANT. GENERAL LINEMARKING AND R.R.P.M'S ARE TO BE INSTALLED IN ACCORDANCE WITH THESE PLANS AND TO VICROADS SPECIFICATIONS. EXTERNAL WORKS PARKING BAYS TO BE APPROVED LONG LIFE ROAD MARKING PAINT. LATERAL WORKS, PAVEMENT MARKINGS, ARROWS ETC. ARE TO BE COLD APPLIED PLASTIC TROWELLED INTO PLACE (DEGADUR, PLASTELINE OR EQUIVALENT). LONGITUDINAL LINENWORK TO BE EXTRUDED THERMAL PLASTIC MARKINGS	PAVEMENT TESTING:	EACH ROAD PAVEMENT LAYER SHALL BE TEST FOR COMPACTION BY A NATA REGISTERED GEOTECHNICAL ENGINEER IN ACCORDANCE WITH AS1289 AND SHALL MEET THE FOLLOWING STANDARDS:			
REINSTATEMENT:	THE CONTRACTOR SHALL REGRADE, SHAPE, TOPSOIL AND GRASS ALL ADJACENT EXISTING GRASSED AREAS THAT ARE DISTURBED OR ALTERED AS A CONSEQUENCE OF THE PROPOSED WORKS. ALL AREAS WITHIN THE WORKS ZONE MUST BE FINISHED WITH 75mm DEPTH TOPSOIL AND SOWN WITH GRASS SEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF DAMAGE CAUSED TO ANY ROAD, STREET FURNITURE OR OTHER STRUCTURE BY TRANSPORTING OF MATERIAL OR MOVEMENT OF EXCAVATION MACHINERY UNDER THIS CONTRACT.	10. SIGNAGE	GENERAL ALL REGULATORY AND HAZARD DIRECTIONAL SIGNS TO BE INSTALLED IN CLASS 1 REFLECTIVE MATERIAL AND ALL WARNING SIGNS TO BE INSTALLED IN CLASS 2 REFLECTIVE MATERIAL TO APPROVED AUSTRALIAN STANDARDS. FOR TEMPORARY SIGNAGE DURING CONSTRUCTION WORKS, REFER TO VICROADS ROADWORKS SIGNAGE CODE.	ASPHALT LAYERS:	UP TO 50mm THICKNESS - 94% CHARACTERISTIC VALUE OF DENSITY RATIO GREATER THAN 50mm THICKNESS - 96% CHARACTERISTIC VALUE OF DENSITY RATIO BASE LAYER: 98% MODIFIED DRY DENSITY SUB BASE LAYER: 98% MODIFIED DRY DENSITY SUB GRADE: 98% STANDARD DRY DENSITY COMPACTION TEST RESULT SHALL BE FORWARDED TO THE SUPERINTENDANT AND COUNCIL'S SUPERVISING ENGINEER FOR APPROVAL PRIOR TO THE PLACEMENT OF SUBSEQUENT PAVEMENT LAYERS. TESTING RATES SHALL BE : ARTERIAL ROADS 6 TESTS/LOT OTHER 3 TESTS/LOT A LOT SHALL BE THE SMALLER OF 5000m ² / OR ONE DAYS PRODUCTION. WHERE SO REQUIRED, THE CONTRACTOR SHALL PROVIDE ADDITIONAL TEST TO THE SUPERINTENDANT'S SATISFACTION. COST OF TESTING TO BE BORNE BY THE CONTRACTOR.			
4. LANDSCAPING:	LANDSCAPE AREAS FOR DETAILS OF LANDSCAPE AREAS & FINISH, REFER TO LANDSCAPE ARCHITECT'S DRAWINGS.	11. EXISTING	EXISTING ALL STATUTORY AUTHORITY SERVICES MUST BE MAINTAINED AND PROTECTED BY THE CONTRACTOR AT ALL TIMES UNLESS OTHERWISE SHOWN. EXISTING SERVICE LOCATIONS SHOWN HAVE BEEN OBTAINED FROM STATUTORY AUTHORITY RECORDS AND/OR SITE PLANS WHERE AVAILABLE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN AND ALL SERVICES SHOULD BE PROVEN ON SITE PRIOR TO THE COMMENCEMENT OF WORKS IN THEIR VICINITY.	14. KERBS	PROPOSED WHERE REQUIRED MATCH ALL NEW KERBS TO EXISTING LEVEL NEATLY, ENSURING MINIMUM 1 IN 200 GRADE, SAW CUTTING AND REINSTATING PAVEMENT IN FRONT OF KERB TO FALL TO NEW KERB LEVEL.			
NEW:	REQUIRES ANY REDUNDANT PAVEMENT MATERIAL SHALL BE REMOVED & REINSTATED WITH CLEAN FILL TO 150mm BELOW FINISHED SURFACE LEVEL UNLESS NOTED OTHERWISE ON THE LANDSCAPE PLANS, REINSTATEMENT OF A MIN 150mm OF CLEAN TOPSOIL SHALL BE PROVIDED TO ALL LANDSCAPE AREAS.	CONTACTS:	CONTACTS CIVIL CONTRACTOR TO CONTACT THE FOLLOWING AUTHORITIES FOR RELOCATION OF CABLES, U/G MAINS OR POLES WHERE REQUIRED. UTILITY OFFICE NO. EMERGENCY/AH No. POWERPLANT (03) 8786 1666..... TELSTRA 13 22 03 (SUSPECTED DAMAGE)..... NBN Co. 1800 687 626..... OPTUS 1800 505 777 (REPORT DAMAGE/HAZARD)..... AUSNET (ELECTRICAL) 1800 818 832 (POWER OUTAGE & EQUIPMENT ISSUES, 13 17 99 (URGENT ENQUIRIES)..... APA (GAS) - 1800 427 532..... SOUTH EAST WATER 13 28 12 (FAULTS AND EMERGENCIES), 13 16 94 (GENERAL)..... MELBOURNE WATER 131 722..... CARDINIA SHIRE COUNCIL 1300 787 624..... VICROADS TMC (ROAD REPAIR) 13 11 70, QUOTE SITE NUMBER 138	15. SPECIFICATIONS	VICROADS & CARDINIA SHIRE COUNCIL SPECIFICATIONS SHALL BE USED AS THE GENERAL SPECIFICATION FOR ALL WORKS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THE CURRENT SPECIFICATIONS, ALL RELEVANT STANDARD DRAWINGS AND ALL ASSOCIATED REVISIONS AND AMENDMENTS ETC.			
				16. CONTRACT CONDITIONS	GENERAL ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 2124-1992 GENERAL CONDITIONS OF CONTRACT. MAINTENANCE PERIOD A 12 MONTH MAINTENANCE PERIOD WILL APPLY TO THIS CONTRACT UNLESS NOTED OTHERWISE.			

Rev	Date	Description	Drawn	Appr.
3	22.10.21	ISSUE FOR TENDER	SB	PC
2	25.08.21	DETAIL DESIGN ISSUE	SB	PC
1	06.08.21	DETAIL DESIGN FOR APPROVAL	SB	PC

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501 Swanton Street, Melbourne, VIC Australia 3000
Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

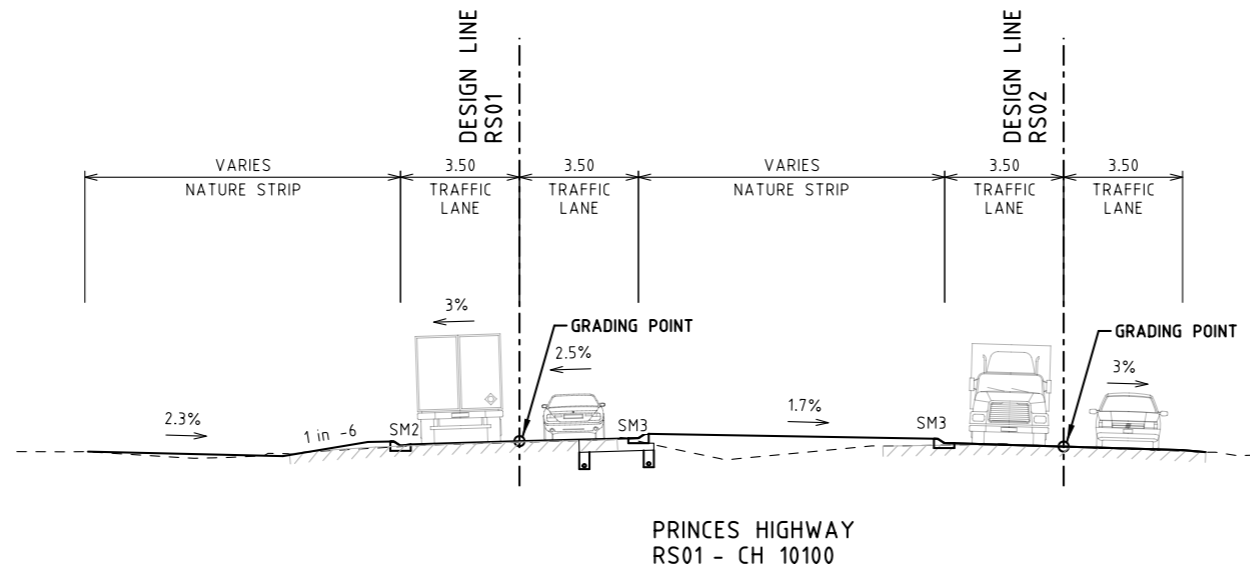
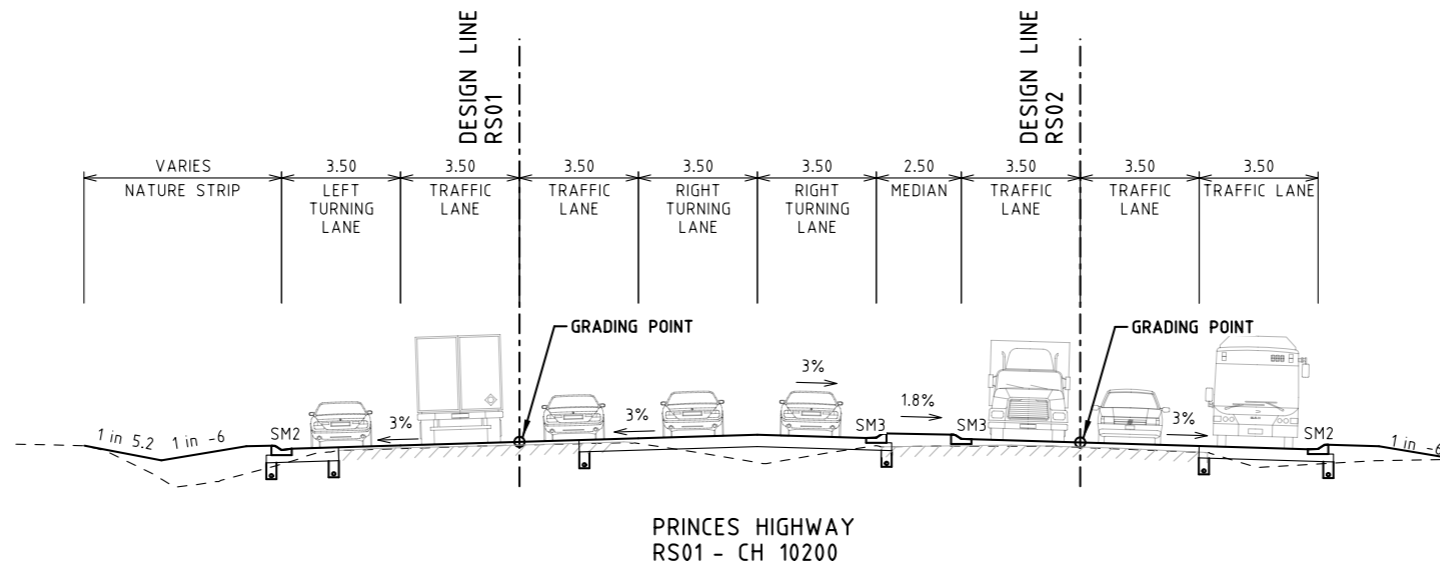
Drawn	S.BECKHAM	Client	CARDINIA SHIRE COUNCIL
Designed	S.BECKHAM	Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Checked	P.CHATTERLEY	Title	GENERAL NOTES
Authorised	P.CHATTERLEY		

Status	FOR APPROVAL		
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Date	10.06.2020	Scale	NTS
Drawing Number	V191441-CI-DG-0203	Size	A3
Revision			3

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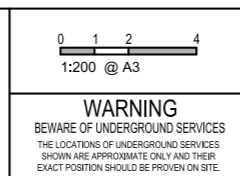
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5	22.10.21	ISSUE FOR TENDER	SB	PC
4	25.08.21	DETAIL DESIGN ISSUE	SB	PC
3	11.08.21	ISSUE FOR TENDER	SB	PC
2	11.02.21	PRELIMINARY ISSUE	SB	PC
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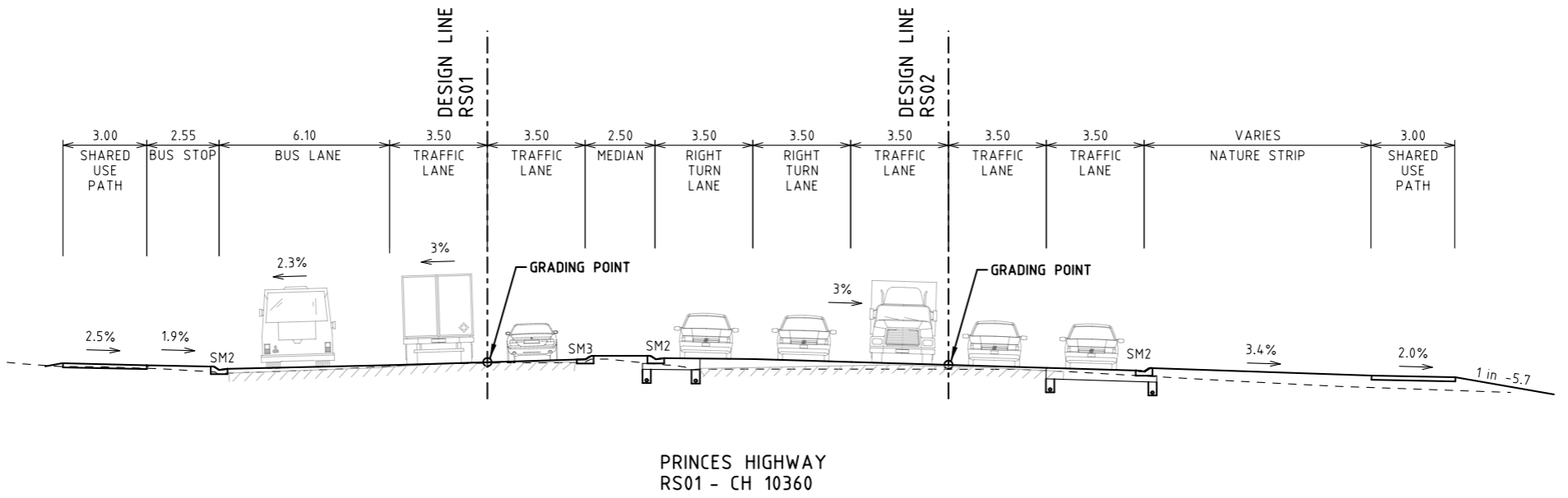
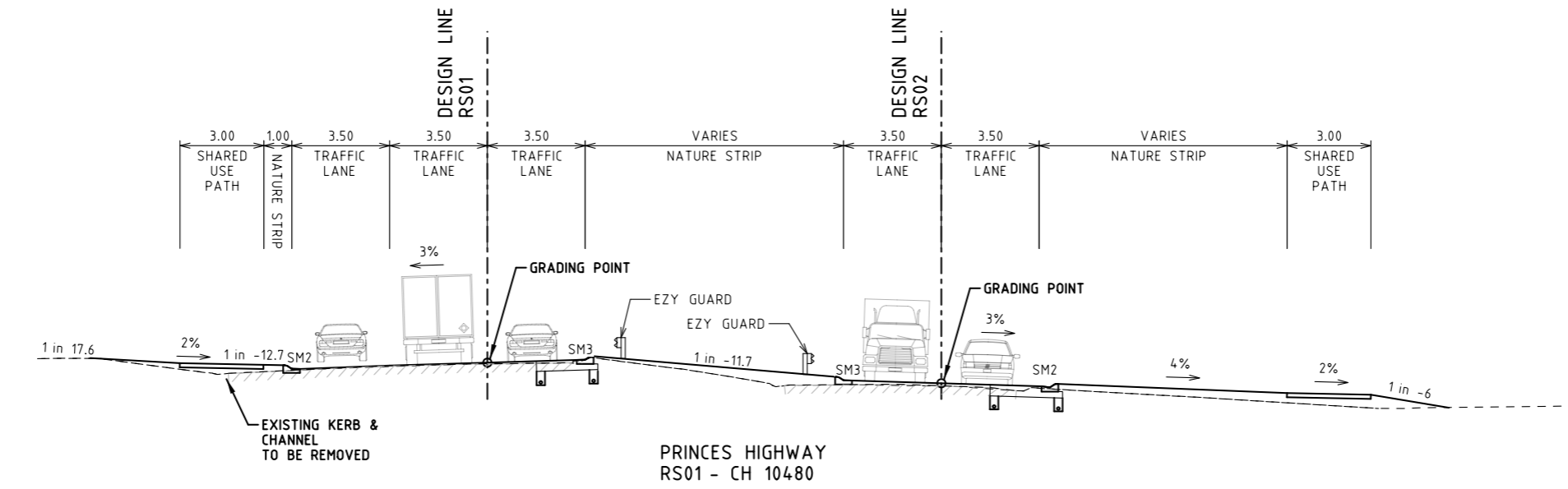
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 Project: CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
 Title: TYPICAL SECTION SHEET 1

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Date	Scale	Size	Revision
10.06.2020	1:200	A3	5
Drawing Number: V191441-CI-DG-1201			

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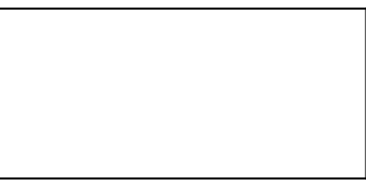


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5	22.10.21	ISSUE FOR TENDER	SB	PC
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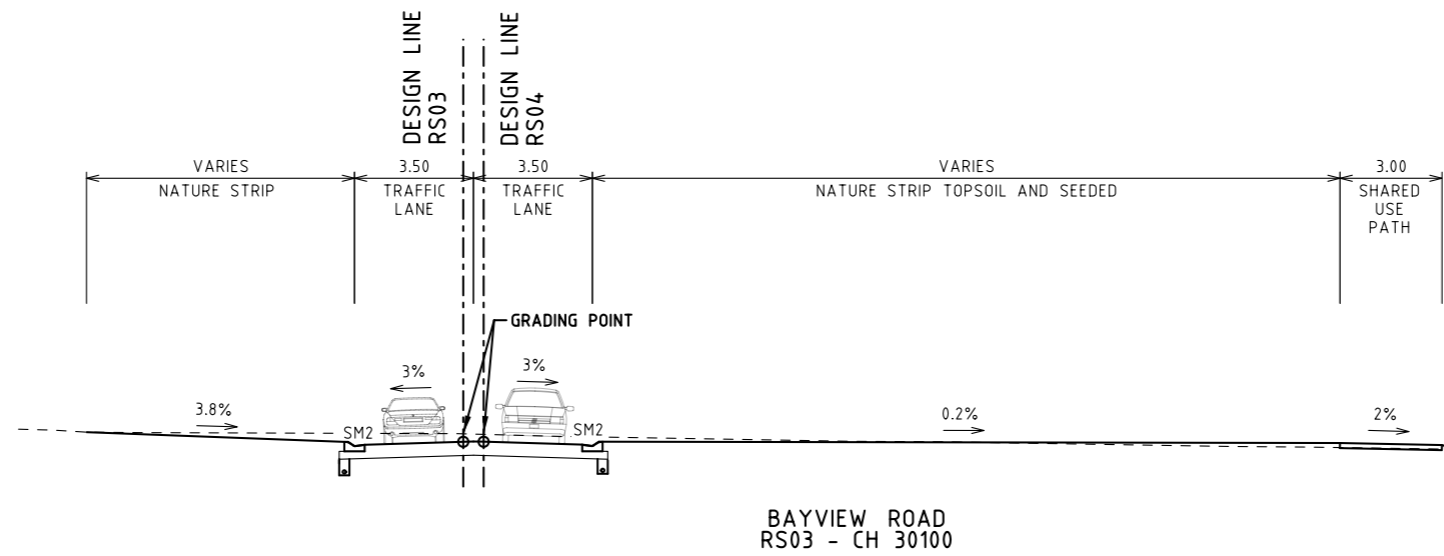
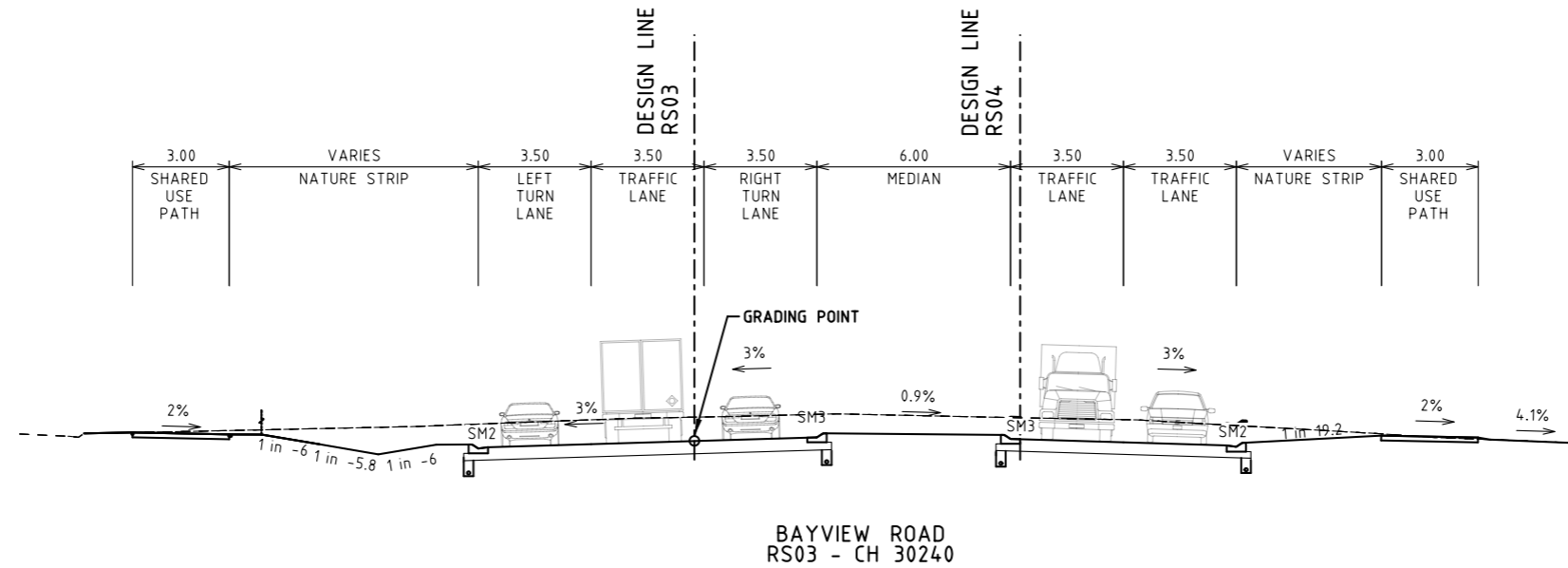
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Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	TYPICAL SECTION SHEET 2

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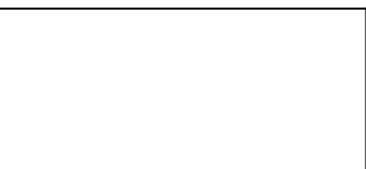


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ABN: 47 106 610 913
 501 Swanton Street, Melbourne, VIC Australia 3000
 Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
 Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

Drawn: S.BECKHAM
 Designed: S.BECKHAM
 Checked: P.CHATTERLEY
 Authorised: P.CHATTERLEY

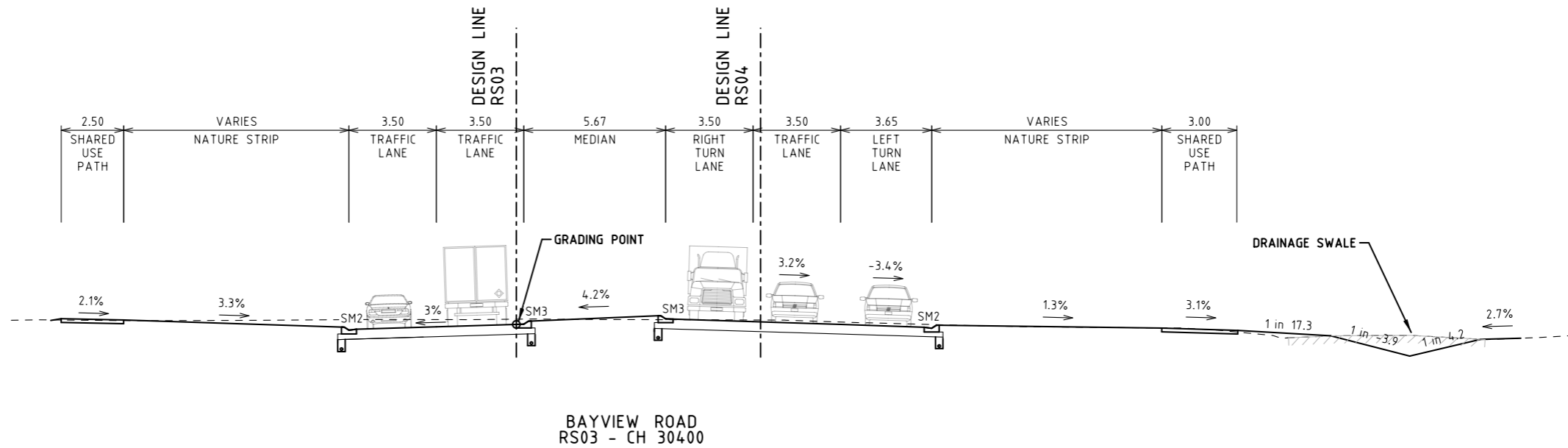
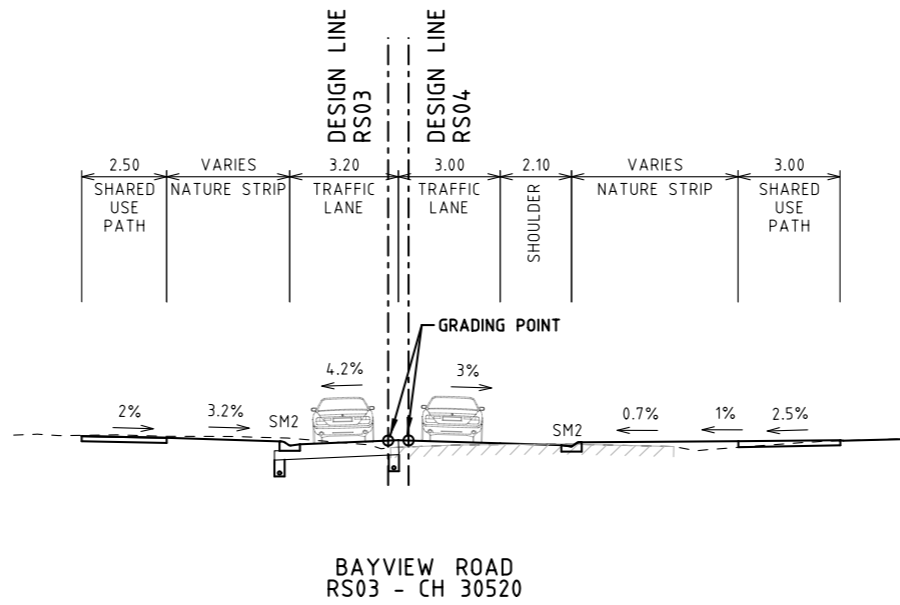
Client: CARDINIA SHIRE COUNCIL
 Project: CSC
 PART B - BAYVIEW ROAD
 BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
 Title: TYPICAL SECTION
 SHEET 3

Status: **FOR APPROVAL**
 NOT TO BE USED FOR CONSTRUCTION PURPOSES
 Date: 10.06.2020 Scale: 1:200 Size: A3
 Drawing Number: V191441-CI-DG-1203 Revision: 5

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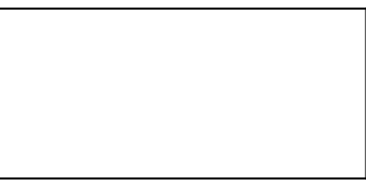


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5	22.10.21	ISSUE FOR TENDER	SB	PC
4	25.08.21	DETAIL DESIGN ISSUE	SB	PC
3	11.08.21	ISSUE FOR TENDER	SB	PC
2	11.02.21	PRELIMINARY ISSUE	SB	PC
1	10.11.20	INITIAL ISSUE	SB	PC

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 501 Swanston Street, Melbourne, VIC Australia 3000
 Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
 Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

Drawn: S.BECKHAM
 Designed: S.BECKHAM
 Checked: P.CHATTERLEY
 Authorised: P.CHATTERLEY

Client: CARDINIA SHIRE COUNCIL
 Project: CSC
 PART B - BAYVIEW ROAD
 BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
 Title: TYPICAL SECTION
 SHEET 4

Status: **FOR APPROVAL**
 NOT TO BE USED FOR CONSTRUCTION PURPOSES
 Date: 10.06.2020 Scale: 1:200 Size: A3
 Drawing Number: V191441-CI-DG-1204 Revision: 5

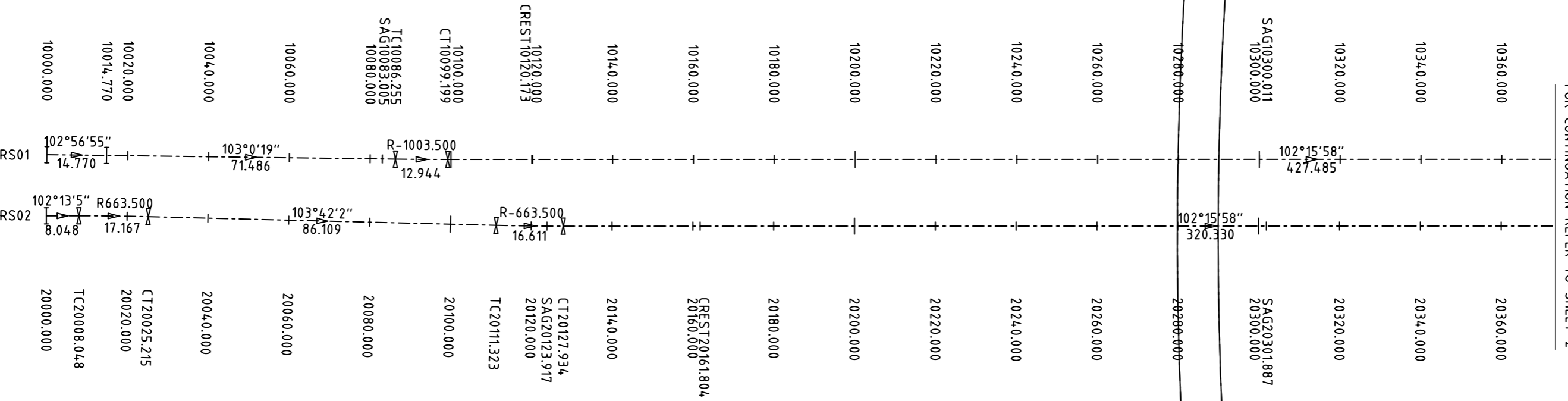
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RS01 - PRINCES HIGHWAY EASTBOUND DESIGN LINE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A. LENGTH	DEFL. ANGLE
IP 1	10000	359769.885	5786482.114		102°56'54.71"			
IP 2	10014.77	359784.279	5786478.805	34.687				
TC	10086.255	359853.931	5786462.718	34.504	103°00'18.73"			
IP 3	10092.727	359860.237	5786461.261	34.507		R = -1003.500	12.944	0°44'20.51"
CT	10099.199	359866.561	5786459.886	34.514	102°15'58.22"			



FOR CONTINUATION REFER TO SHEET 2

RS02 - PRINCES HIGHWAY WESTBOUND DESIGN LINE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A. LENGTH	DEFL. ANGLE
IP 1	20000	359766.541	5786467.371	34.657	102°13'05.27"			
TC	20008.048	359774.406	5786465.668	34.645	102°13'05.27"			
IP 2	20016.631	359782.796	5786463.851	34.626		R = 663.500	17.167	1°28'56.71"
CT	20025.215	359791.135	5786461.818	34.602	103°42'01.98"			
TC	20111.323	359874.794	5786441.423	34.344	103°42'01.98"			
IP 3	20119.629	359882.863	5786439.456	34.340		R = -663.500	16.611	1°26'03.78"
CT	20127.934	359890.979	5786437.692	34.341	102°15'58.20"			
TC	20448.264	360203.997	5786369.637	34.916	102°15'58.20"			
IP 4	20465.889	360221.219	5786365.892	35.312		R = -2003.500	35.25	1°00'29.02"
CT	20483.513	360238.505	5786362.451	35.813	101°15'29.19"			

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
1	11.02.21	PRELIMINARY ISSUE	SB	PC

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 Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES Date 10.06.2020 Scale 1:1000 Size A3 Drawing Number V191441-Cl-DG-1251 Revision 4
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	
Checked P.CHATTERLEY	Title GEOMETRIC PLAN SHEET 1	
Authorised P.CHATTERLEY		

BY: \$USERS

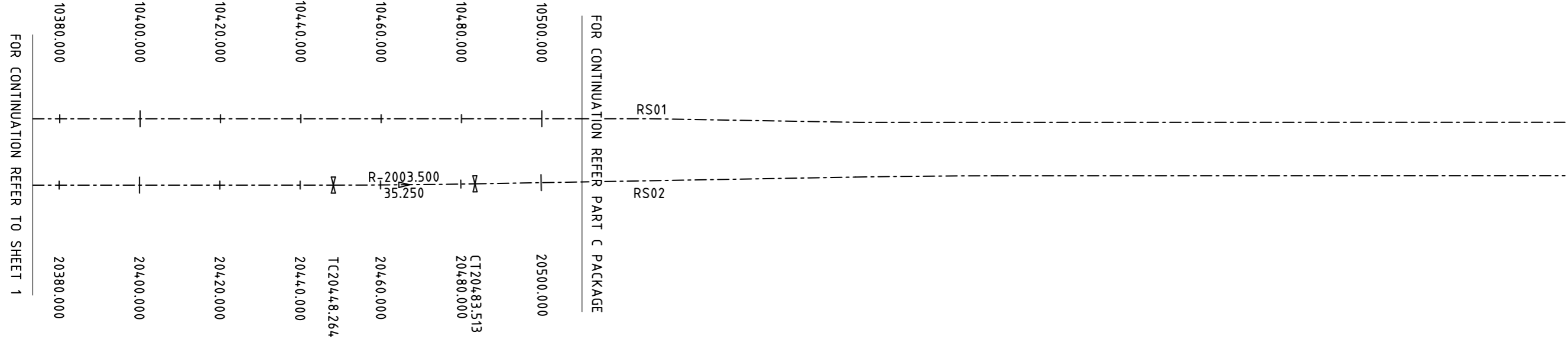
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RS01 - PRINCES HIGHWAY EASTBOUND DESIGN LINE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A. LENGTH	DEFL. ANGLE
IP 1	10000	359769.885	5786482.114		102°56'54.71"			
IP 2	10014.77	359784.279	5786478.805	34.687				
TC	10086.255	359853.931	5786462.718	34.504	103°00'18.73"			
IP 3	10092.727	359860.237	5786461.261	34.507		R = -1003.500	12.944	0°44'20.51"
CT	10099.199	359866.561	5786459.886	34.514	102°15'58.22"			



RS02 - PRINCES HIGHWAY WESTBOUND DESIGN LINE

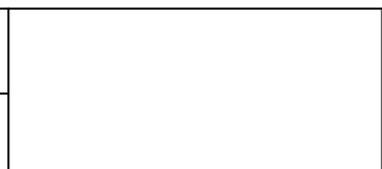
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A. LENGTH	DEFL. ANGLE
IP 1	20000	359766.541	5786467.371	34.6	102°13'05.27"			
TC	20008.048	359774.406	5786465.668	34.6	102°13'05.27"			
IP 2	20016.631	359782.796	5786463.851	34.6		R = 663.500	17.167	1°28'56.71"
CT	20025.215	359791.135	5786461.818	34.6	103°42'01.98"			
TC	20111.323	359874.794	5786441.423	34.342	103°42'01.98"			
IP 3	20119.629	359882.863	5786439.456	34.337		R = -663.500	16.611	1°26'03.78"
CT	20127.934	359890.979	5786437.692	34.337	102°15'58.20"			
TC	20448.264	360203.997	5786369.637	34.916	102°15'58.20"			
IP 4	20465.889	360221.219	5786365.892	35.312		R = -2003.500	35.25	1°00'29.02"
CT	20483.513	360238.505	5786362.451	35.813	101°15'29.19"			

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
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 Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

Client **CARDINIA SHIRE COUNCIL**
 Project CSC
 PART B - BAYVIEW ROAD
 BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
 Title GEOMETRIC PLAN
 SHEET 2

Status	FOR APPROVAL		
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Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-CI-DG-1252	Sheet	A3
Revision		Number	4

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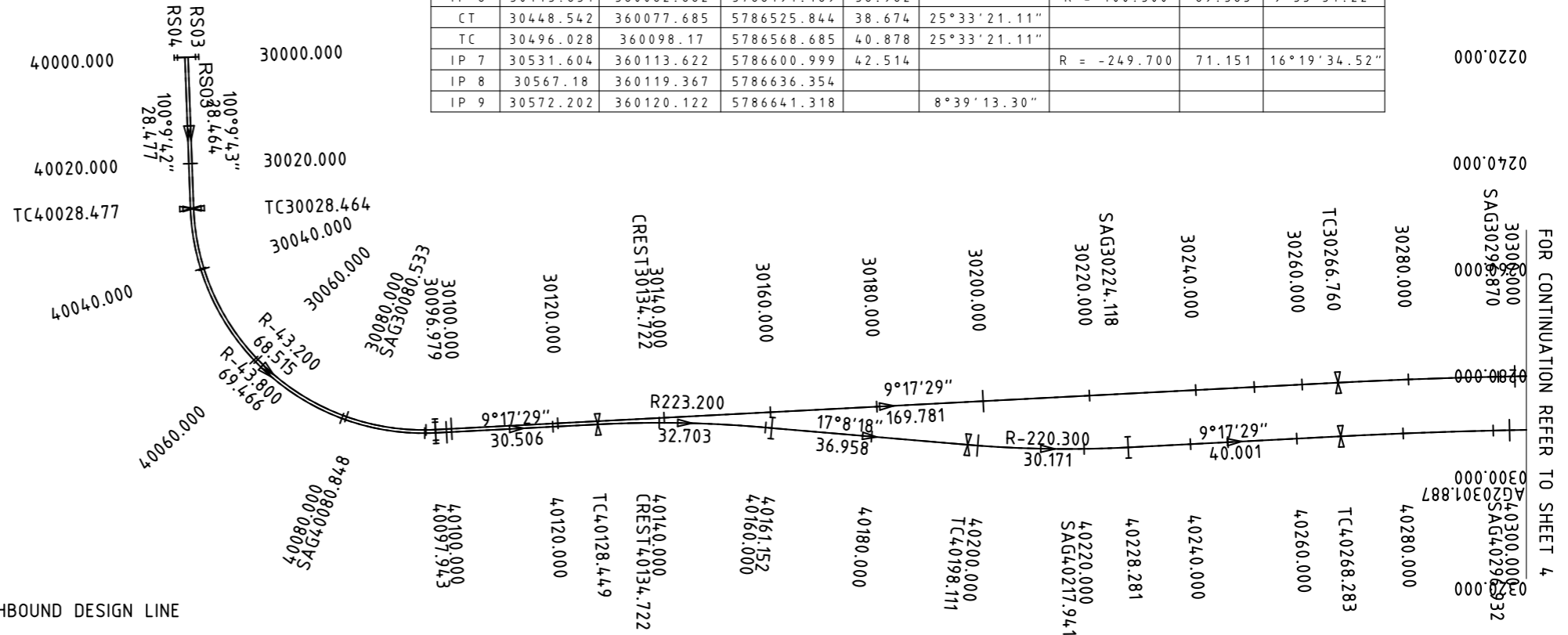
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RS03 - BAYVIEW ROAD NORTHBOUND DESIGN LINE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A. LENGTH	DEFL. ANGLE
IP 1	30000	359923.394	5786153.199		100°09'43.47"			
TC	30028.464	359951.412	5786148.177	33.290	100°09'43.47"			
IP 2	30062.721	359994.585	5786140.439	33.087		R = -43.200	68.515	90°52'14.14"
IP 3	30096.979	360001.667	5786183.724	33.080				
TC	30266.76	360029.079	5786351.278	33.169	9°17'29.24"			
IP 4	30322.96	360038.162	5786406.797	34.065		R = 1016.800	112.4	6°20'01.10"
IP 5	30379.159	360053.314	5786460.975	35.247				
IP 6	30413.851	360062.682	5786494.469	36.982		R = 400.300	69.383	9°55'51.22"
CT	30448.542	360077.685	5786525.844	38.674	25°33'21.11"			
TC	30496.028	360098.17	5786568.685	40.878	25°33'21.11"			
IP 7	30531.604	360113.622	5786600.999	42.514		R = -249.700	71.151	16°19'34.52"
IP 8	30567.18	360119.367	5786636.354					
IP 9	30572.202	360120.122	5786641.318		8°39'13.30"			



RS04 - BAYVIEW ROAD SOUTHBOUND DESIGN LINE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A. LENGTH	DEFL. ANGLE
IP 1	40000	359923.276	5786152.611		100°09'42.46"			
TC	40028.477	359951.306	5786147.586	33.293	100°09'42.46"			
IP 2	40063.21	359995.079	5786139.741	33.087		R = -43.800	69.466	90°52'13.17"
IP 3	40097.943	360002.259	5786183.628	33.085				
TC	40128.449	360007.184	5786213.734	33.189	9°17'29.15"			
IP 4	40144.801	360009.829	5786229.9	33.184		R = 223.200	32.703	8°23'41.65"
IP 5	40161.152	360014.806	5786245.506	33.135				
TC	40198.111	360025.696	5786280.823	32.988	17°08'17.56"			
IP 6	40213.196	360030.149	5786295.261	32.953		R = -220.300	30.171	7°50'48.57"
IP 7	40228.281	360032.588	5786310.172	32.961				
TC	40268.283	360039.047	5786349.649	33.190	9°17'29.49"			
IP 8	40362.114	360054.241	5786442.518	34.306		R = 1006.700	187.662	10°40'50.49"
IP 9	40455.945	360086.383	5786530.962	39.068				
TC	40519.807	360108.175	5786590.991	42.006	19°57'08.83"			
IP 10	40543.229	360116.191	5786613.071	43.083		R = -250.300	46.843	10°43'22.29"
IP 11	40566.65	360119.959	5786636.257	44.16				
IP 12	40571.678	360120.715	5786641.228	44.392	8°39'15.23"			

FOR CONTINUATION REFER TO SHEET 4

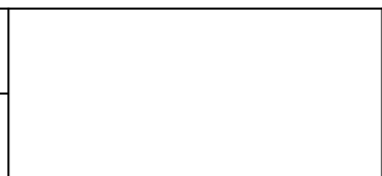
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3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
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Drawn	S.BECKHAM	Client	CARDINIA SHIRE COUNCIL
Designed	S.BECKHAM	Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Checked	P.CHATTERLEY	Title	GEOMETRIC PLAN SHEET 3
Authorised	P.CHATTERLEY	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES

Date	10.06.2020	Scale	1:1000	Size	A3
Drawing Number	V191441-CI-DG-1253	Revision	4		

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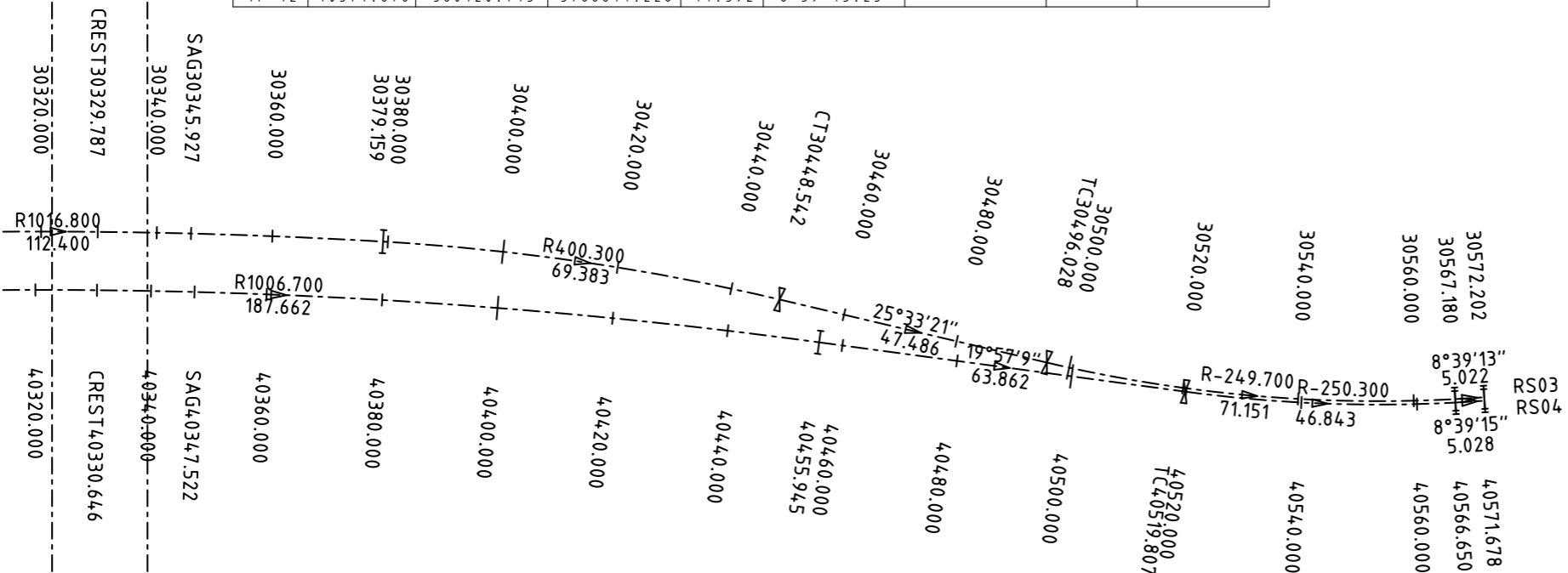
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FOR CONTINUATION REFER TO SHEET 3

RS04 - BAYVIEW ROAD SOUTHBOUND DESIGN LINE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A. LENGTH	DEFL. ANGLE
IP 1	40000	359923.276	5786152.611		100°09'42.46"			
TC	40028.477	359951.306	5786147.586	33.293	100°09'42.46"			
IP 2	40063.21	359995.079	5786139.741	33.087		R = -43.800	69.466	90°52'13.17"
IP 3	40097.943	360002.259	5786183.628	33.085				
TC	40128.449	360007.184	5786213.734	33.189	9°17'29.15"			
IP 4	40144.801	360009.829	5786229.9	33.184		R = 223.200	32.703	8°23'41.65"
IP 5	40161.152	360014.806	5786245.506	33.135				
TC	40198.111	360025.696	5786280.823	32.988	17°08'17.56"			
IP 6	40213.196	360030.149	5786295.261	32.953		R = -220.300	30.171	7°50'48.57"
IP 7	40228.281	360032.588	5786310.172	32.961				
TC	40268.283	360039.047	5786349.649	33.190	9°17'29.49"			
IP 8	40362.114	360054.241	5786442.518	34.306		R = 1006.700	187.662	10°40'50.49"
IP 9	40455.945	360086.383	5786530.962	39.068				
TC	40519.807	360108.175	5786590.991	42.006	19°57'08.83"			
IP 10	40543.229	360116.191	5786613.071	43.083		R = -250.300	46.843	10°43'22.29"
IP 11	40566.65	360119.959	5786636.257	44.16				
IP 12	40571.678	360120.715	5786641.228	44.392	8°39'15.23"			



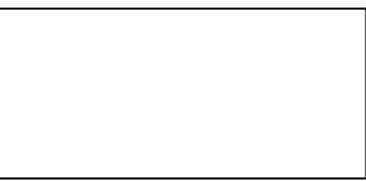
RS03 - BAYVIEW ROAD NORTHBOUND DESIGN LINE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A. LENGTH	DEFL. ANGLE
IP 1	30000	359923.394	5786153.199		100°09'43.47"			
TC	30028.464	359951.412	5786148.177	33.290	100°09'43.47"			
IP 2	30062.721	359994.585	5786140.439	33.087		R = -43.200	68.515	90°52'14.14"
IP 3	30096.979	360001.667	5786183.724	33.080				
TC	30266.76	360029.079	5786351.278	33.169	9°17'29.24"			
IP 4	30322.96	360038.162	5786406.797	34.065		R = 1016.800	112.4	6°20'01.10"
IP 5	30379.159	360053.314	5786460.975	35.247				
IP 6	30413.851	360062.682	5786494.469	36.982		R = 400.300	69.383	9°55'51.22"
CT	30448.542	360077.685	5786525.844	38.674	25°33'21.11"			
TC	30496.028	360098.17	5786568.685	40.878	25°33'21.11"			
IP 7	30531.604	360113.622	5786600.999	42.514		R = -249.700	71.151	16°19'34.52"
IP 8	30567.18	360119.367	5786636.354					
IP 9	30572.202	360120.122	5786641.318		8°39'13.30"			

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
1	11.02.21	PRELIMINARY ISSUE	SB	PC

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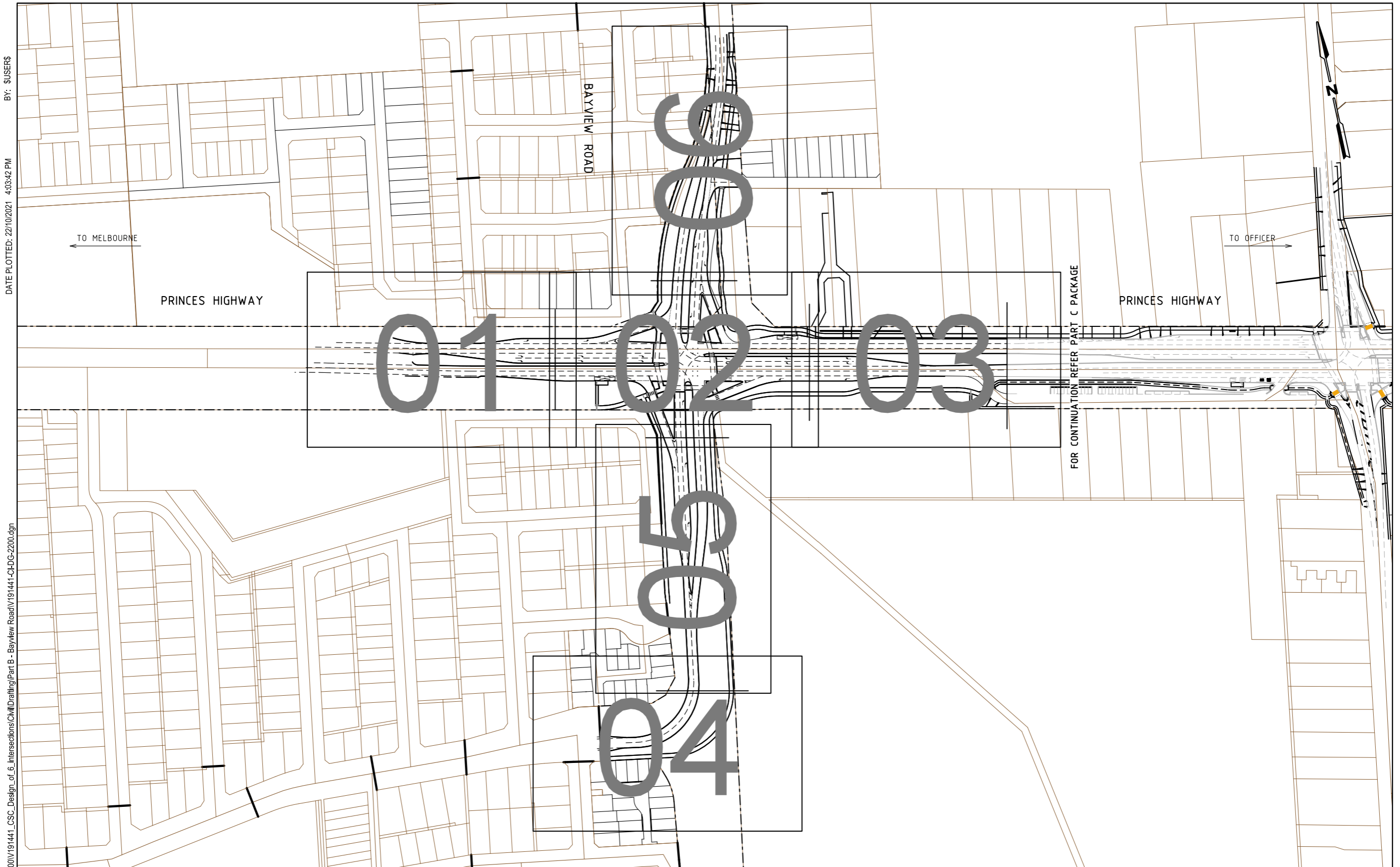
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	GEOMETRIC PLAN SHEET 4

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-CI-DG-1254	Size	A3
Revision			4



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Rev	Date	Description	Drawn	Appr.
5	22.10.21	ISSUE FOR TENDER	SB	PC
4	25.08.21	DETAIL DESIGN ISSUE	SB	PC
3	11.08.21	ISSUE FOR TENDER	SB	PC
2	11.02.21	PRELIMINARY ISSUE	SB	PC
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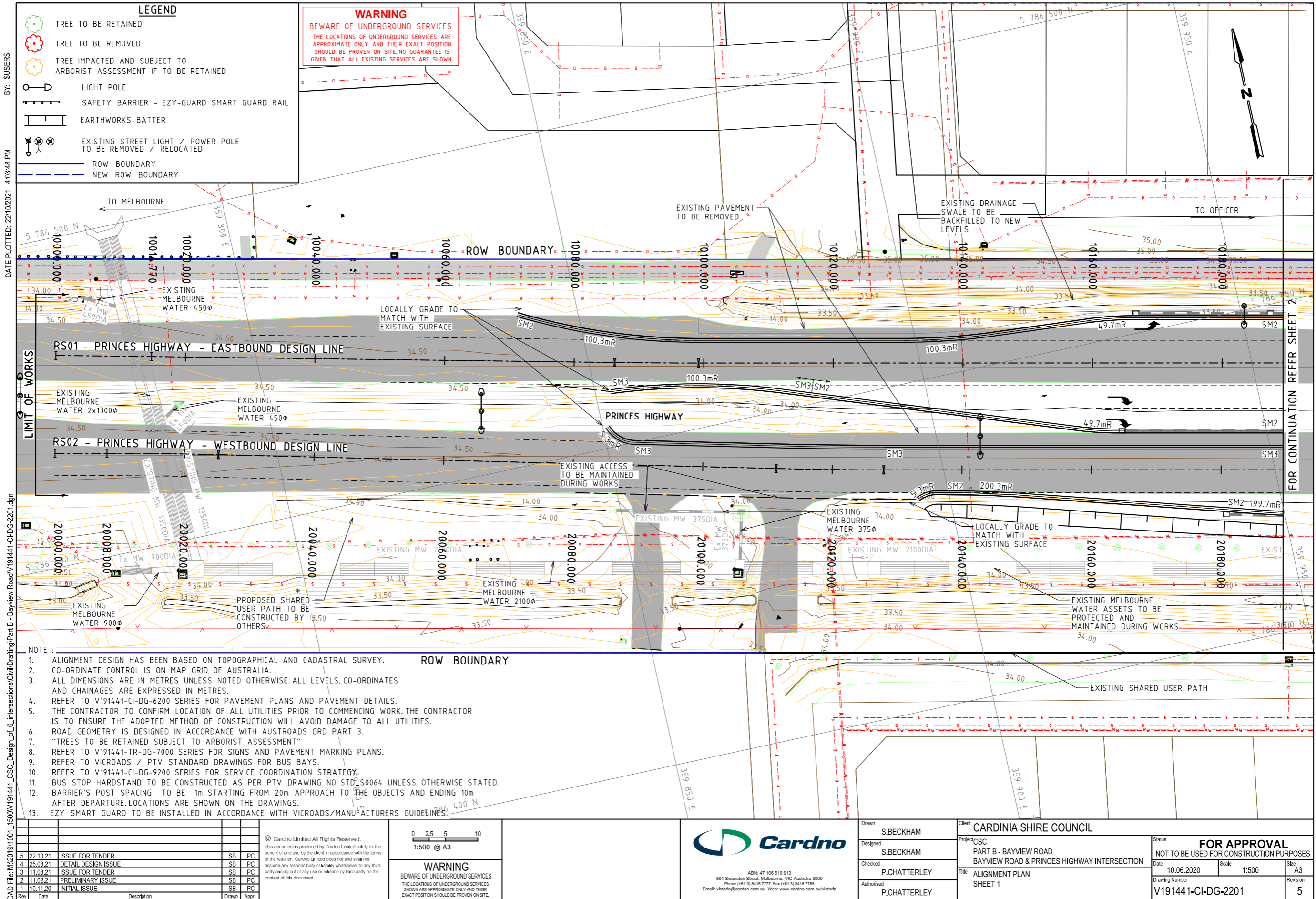


ABN: 47 106 610 913
501 Swanston Street, Melbourne, VIC Australia 3000
Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	ALIGNMENT PLAN KEY PLAN

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:2500
Drawing Number	V191441-CI-DG-2200	Size	A3
Revision			5



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- NOTE :**
- ALIGNMENT DESIGN HAS BEEN BASED ON TOPOGRAPHICAL AND CADASTRAL SURVEY.
 - CO-ORDINATE CONTROL IS ON MAP GRID OF AUSTRALIA.
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 - REFER TO V191441-CI-DG-6200 SERIES FOR PAVEMENT PLANS AND PAVEMENT DETAILS.
 - THE CONTRACTOR TO CONFIRM LOCATION OF ALL UTILITIES PRIOR TO COMMENCING WORK. THE CONTRACTOR IS TO ENSURE THE ADOPTED METHOD OF CONSTRUCTION WILL AVOID DAMAGE TO ALL UTILITIES.
 - ROAD GEOMETRY IS DESIGNED IN ACCORDANCE WITH AUSTRROADS GRD PART 3.
 - "TREES TO BE RETAINED SUBJECT TO ARBORIST ASSESSMENT"
 - REFER TO V191441-TR-DG-7000 SERIES FOR SIGNS AND PAVEMENT MARKING PLANS.
 - REFER TO VICROADS / PTV STANDARD DRAWINGS FOR BUS BAYS.
 - REFER TO V191441-CI-DG-9200 SERIES FOR SERVICE COORDINATION STRATEGY.
 - BUS STOP HARDSTAND TO BE CONSTRUCTED AS PER PTV DRAWING NO. STD_S0064 UNLESS OTHERWISE STATED.
 - BARRIER'S POST SPACING TO BE 1m, STARTING FROM 20m APPROACH TO THE OBJECTS AND ENDING 10m AFTER DEPARTURE. LOCATIONS ARE SHOWN ON THE DRAWINGS.
 - EZY SMART GUARD TO BE INSTALLED IN ACCORDANCE WITH VICROADS/MANUFACTURERS GUIDELINES.

Rev	Date	Description	Drawn	Appr.
5	22.10.21	ISSUE FOR TENDER	SB	PC
4	25.08.21	DETAIL DESIGN ISSUE	SB	PC
3	11.08.21	ISSUE FOR TENDER	SB	PC
2	11.02.21	PRELIMINARY ISSUE	SB	PC
1	10.11.20	INITIAL ISSUE	SB	PC

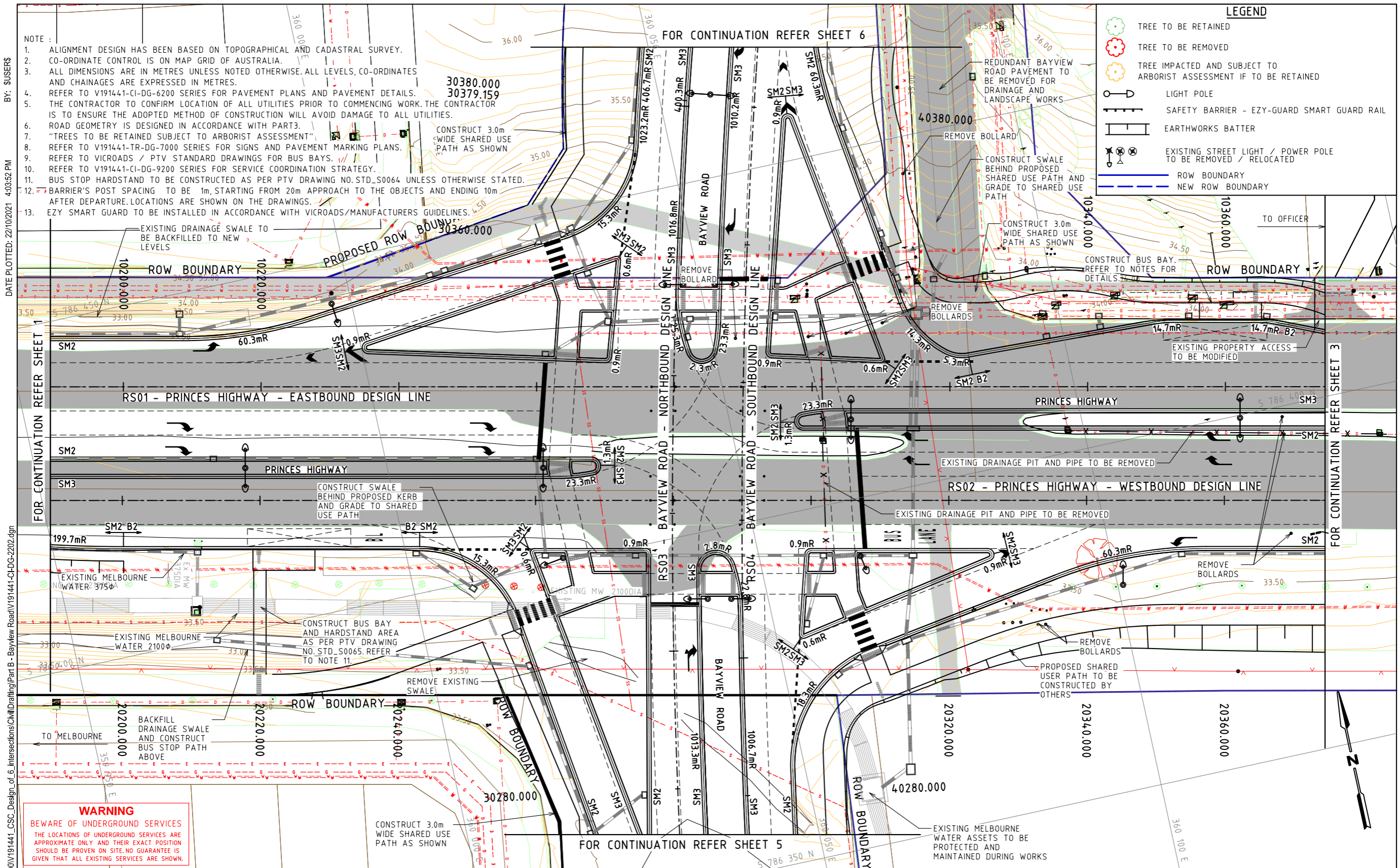
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1:500 @ A3

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Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Checked P.CHATTERLEY	Title ALIGNMENT PLAN SHEET 1	Date 10.06.2020
Authorised P.CHATTERLEY		Scale 1:500
		Size A3
		Drawing Number V191441-CI-DG-2201
		Revision 5



NOTE :
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 3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE. ALL LEVELS, CO-ORDINATES AND CHAINAGES ARE EXPRESSED IN METRES.
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 5. THE CONTRACTOR TO CONFIRM LOCATION OF ALL UTILITIES PRIOR TO COMMENCING WORK. THE CONTRACTOR IS TO ENSURE THE ADOPTED METHOD OF CONSTRUCTION WILL AVOID DAMAGE TO ALL UTILITIES.
 6. ROAD GEOMETRY IS DESIGNED IN ACCORDANCE WITH PART3.
 7. "TREES TO BE RETAINED SUBJECT TO ARBORIST ASSESSMENT"
 8. REFER TO V191441-TR-DG-7000 SERIES FOR SIGNS AND PAVEMENT MARKING PLANS.
 9. REFER TO VICROADS / PTV STANDARD DRAWINGS FOR BUS BAYS.
 10. REFER TO V191441-CI-DG-9200 SERIES FOR SERVICE COORDINATION STRATEGY.
 11. BUS STOP HARDSTAND TO BE CONSTRUCTED AS PER PTV DRAWING NO. STD_S0064 UNLESS OTHERWISE STATED.
 12. BARRIER'S POST SPACING TO BE 1m, STARTING FROM 20m APPROACH TO THE OBJECTS AND ENDING 10m AFTER DEPARTURE. LOCATIONS ARE SHOWN ON THE DRAWINGS.
 13. EZY SMART GUARD TO BE INSTALLED IN ACCORDANCE WITH VICROADS/MANUFACTURERS GUIDELINES.

LEGEND

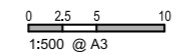
- TREE TO BE RETAINED
- TREE TO BE REMOVED
- TREE IMPACTED AND SUBJECT TO ARBORIST ASSESSMENT IF TO BE RETAINED
- LIGHT POLE
- SAFETY BARRIER - EZY-GUARD SMART GUARD RAIL
- EARTHWORKS BATTER
- EXISTING STREET LIGHT / POWER POLE TO BE REMOVED / RELOCATED
- ROW BOUNDARY
- NEW ROW BOUNDARY

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 BY: SUSERS

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5	22.10.21	ISSUE FOR TENDER	SB	PC
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2	11.02.21	PRELIMINARY ISSUE	SB	PC
1	10.11.20	INITIAL ISSUE	SB	PC

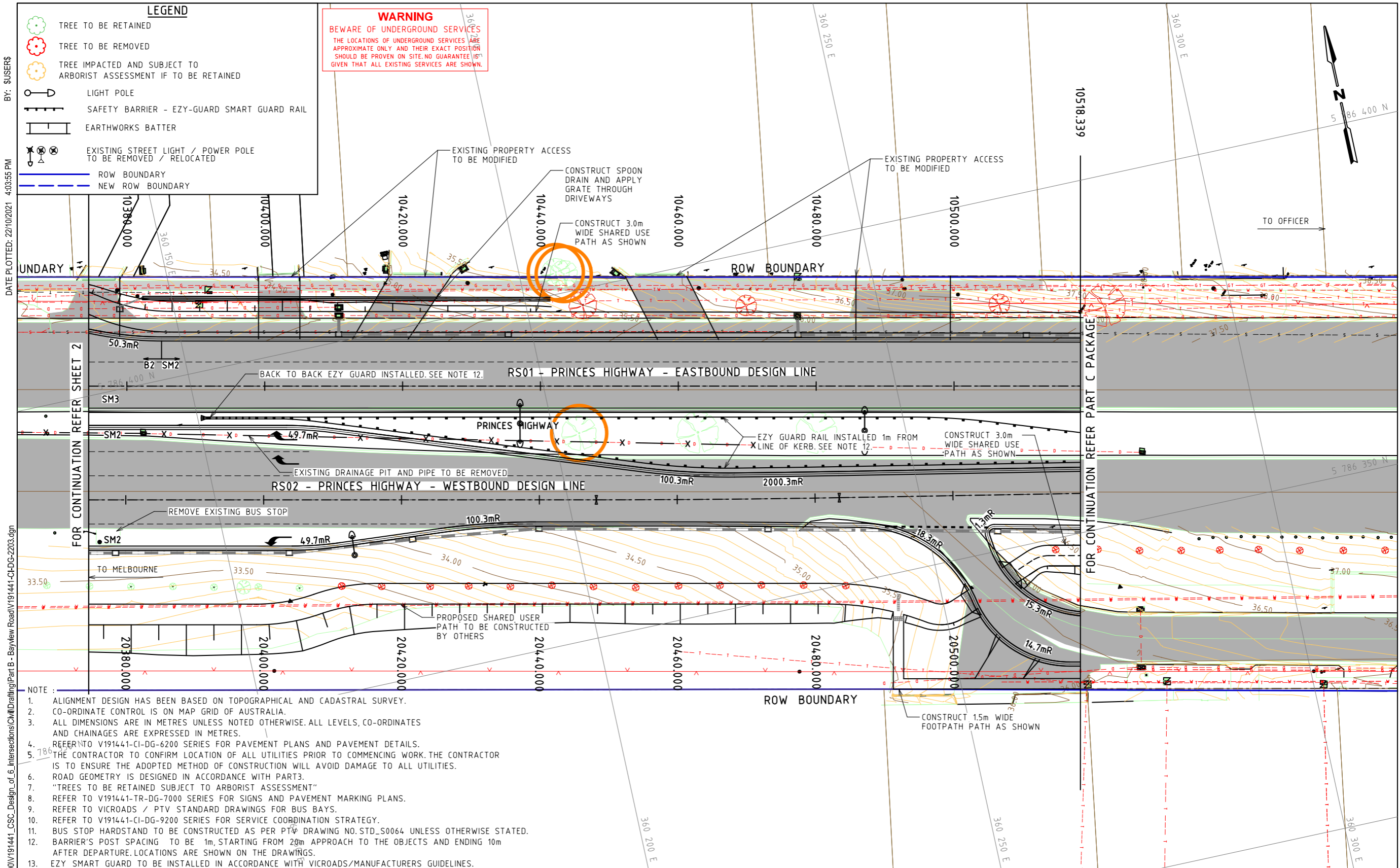
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 Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

Drawn	S.BECKHAM	Client	CARDINIA SHIRE COUNCIL
Designed	S.BECKHAM	Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Checked	P.CHATTERLEY	Title	ALIGNMENT PLAN SHEET 2
Authorised	P.CHATTERLEY	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
		Date	10.06.2020
		Scale	1:500
		Size	A3
		Drawing Number	V191441-CI-DG-2202
		Revision	5



BY: S.USERS
DATE PLOTTED: 22/10/2021 4:03:55 PM

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 - REFER TO V191441-CI-DG-9200 SERIES FOR SERVICE COORDINATION STRATEGY.
 - BUS STOP HARDSTAND TO BE CONSTRUCTED AS PER PTV DRAWING NO. STD_S0064 UNLESS OTHERWISE STATED.
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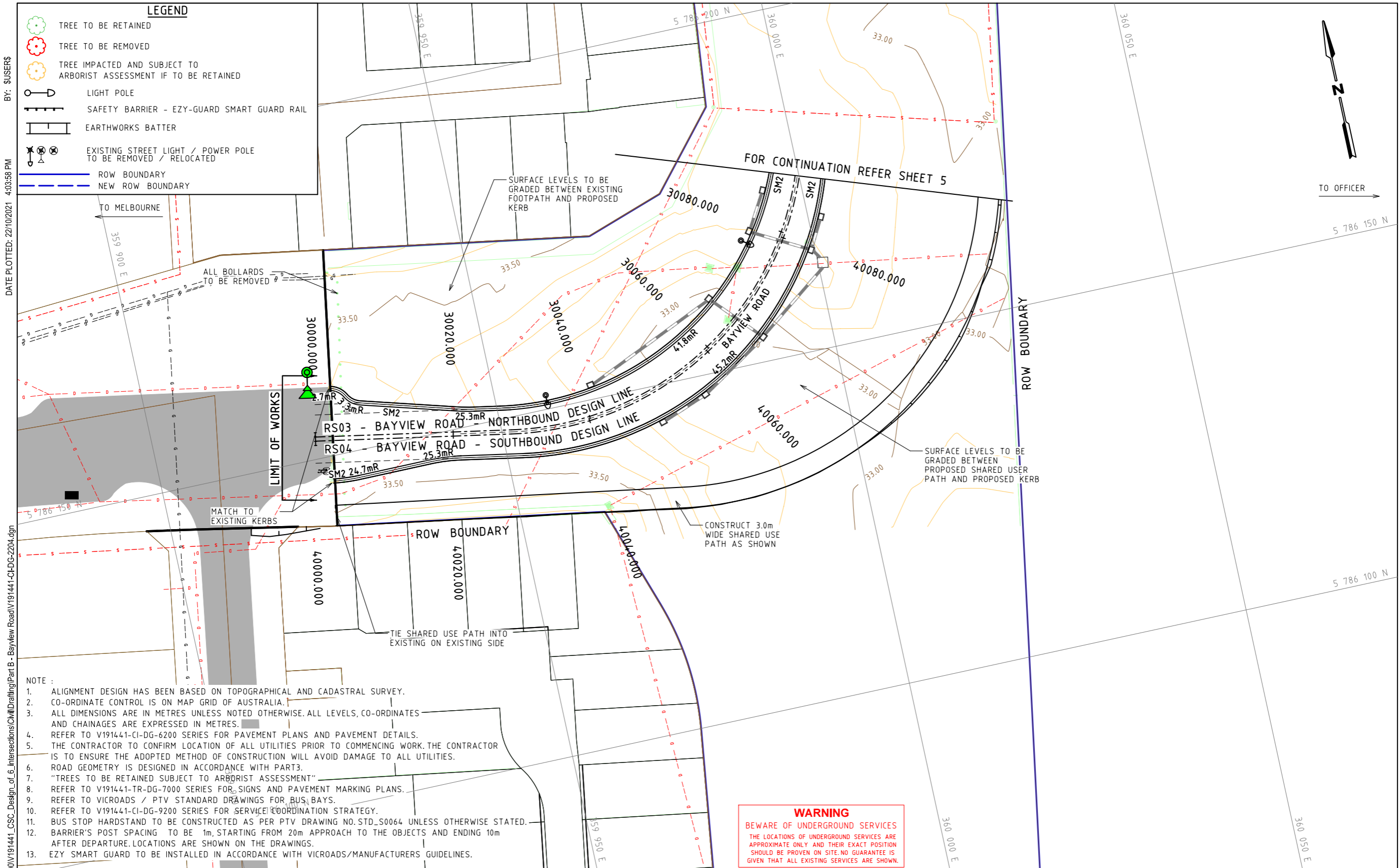
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Drawn: S.BECKHAM
Designed: S.BECKHAM
Checked: P.CHATTERLEY
Authorised: P.CHATTERLEY

Client: CARDINIA SHIRE COUNCIL
Project: CSC
PART B - BAYVIEW ROAD
BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title: ALIGNMENT PLAN
SHEET 3

Status: **FOR APPROVAL**
NOT TO BE USED FOR CONSTRUCTION PURPOSES
Date: 10.06.2020
Scale: 1:500
Size: A3
Drawing Number: V191441-CI-DG-2203
Revision: 5



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Rev	Date	Description	Drawn	Appr.
5	22.10.21	ISSUE FOR TENDER	SB	PC
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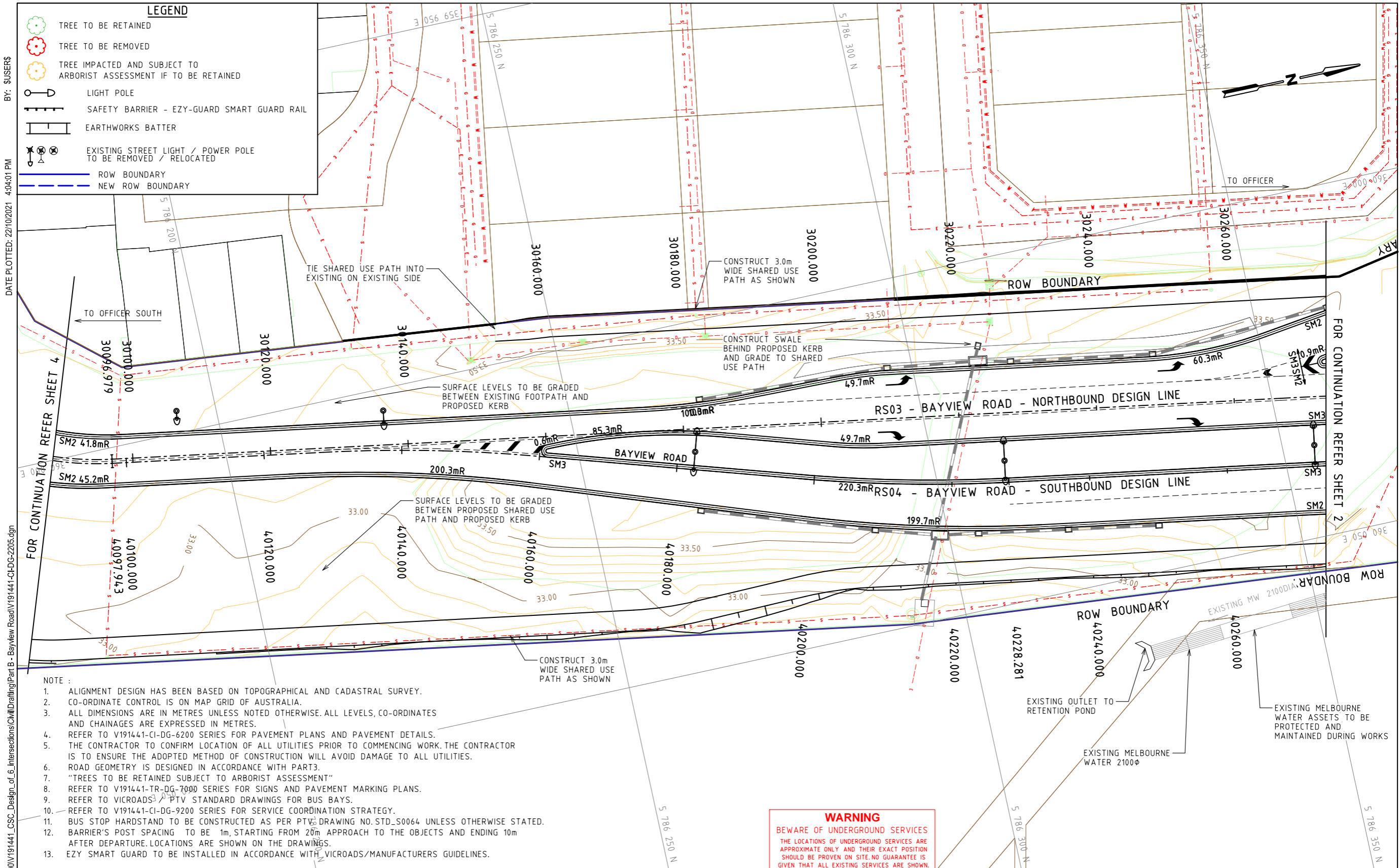
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0 2.5 5 10
1:500 @ A3

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Drawn	S.BECKHAM	Client	CARDINIA SHIRE COUNCIL
Designed	S.BECKHAM	Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Checked	P.CHATTERLEY	Title	ALIGNMENT PLAN SHEET 4
Authorised	P.CHATTERLEY	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES

Date	10.06.2020	Scale	1:500	Size	A3
Drawing Number	V191441-CI-DG-2204	Revision	5		



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 CAD File: M:\2018\1001_15000\191441_CSC_Design_of_6_Intersections\Civil\Drafting\Part B - Bayview Road\191441-CI-DG-2205.dgn

- NOTE :
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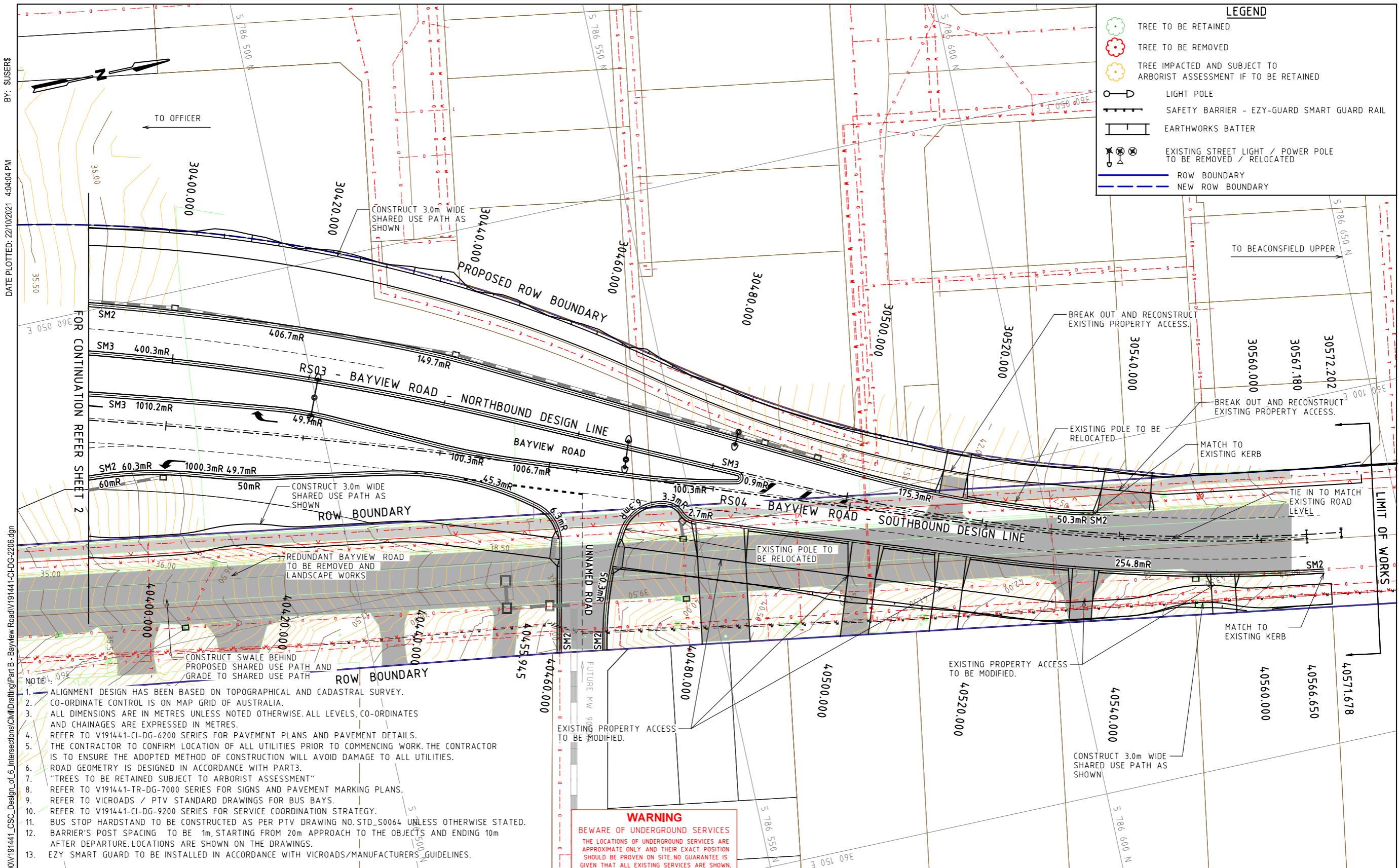
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Drawn	S.BECKHAM	Client	CARDINIA SHIRE COUNCIL
Designed	S.BECKHAM	Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Checked	P.CHATTERLEY	Title	ALIGNMENT PLAN SHEET 5
Authorised	P.CHATTERLEY	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
		Date	10.06.2020
		Scale	1:500
		Size	A3
		Drawing Number	V191441-CI-DG-2205
		Revision	5



LEGEND	
	TREE TO BE RETAINED
	TREE TO BE REMOVED
	TREE IMPACTED AND SUBJECT TO ARBORIST ASSESSMENT IF TO BE RETAINED
	LIGHT POLE
	SAFETY BARRIER - EZY-GUARD SMART GUARD RAIL
	EARTHWORKS BATTER
	EXISTING STREET LIGHT / POWER POLE TO BE REMOVED / RELOCATED
	ROW BOUNDARY
	NEW ROW BOUNDARY

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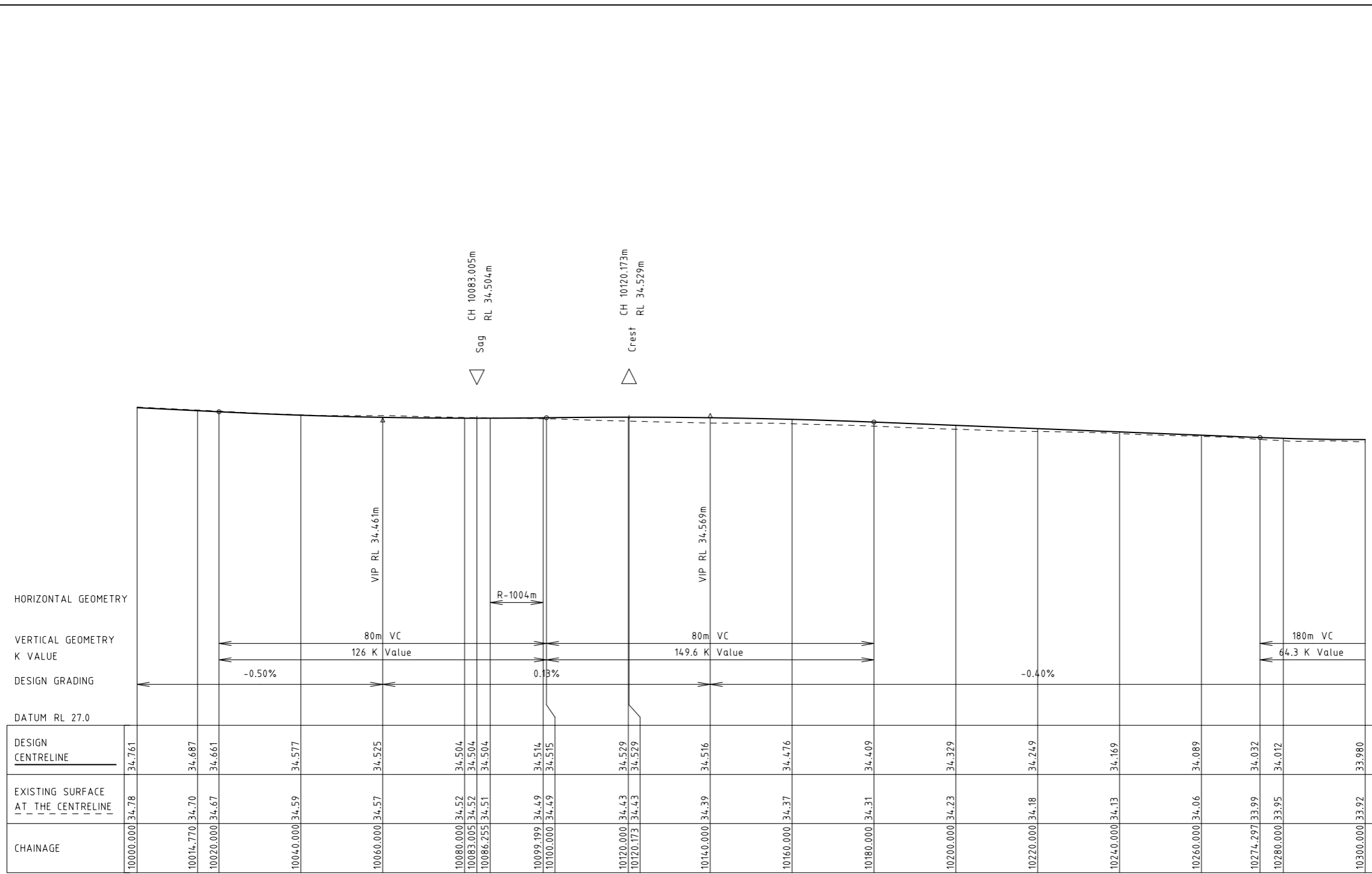


Drawn	S.BECKHAM	Client	CARDINIA SHIRE COUNCIL
Designed	S.BECKHAM	Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Checked	P.CHATTERLEY	Title	ALIGNMENT PLAN SHEET 6
Authorised	P.CHATTERLEY	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
		Date	10.06.2020
		Scale	1:500
		Size	A3
		Drawing Number	V191441-CI-DG-2206
		Revision	5

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C RS01 - LONGITUDINAL SECTION
Scale H: 1:1000
V: 1:100

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

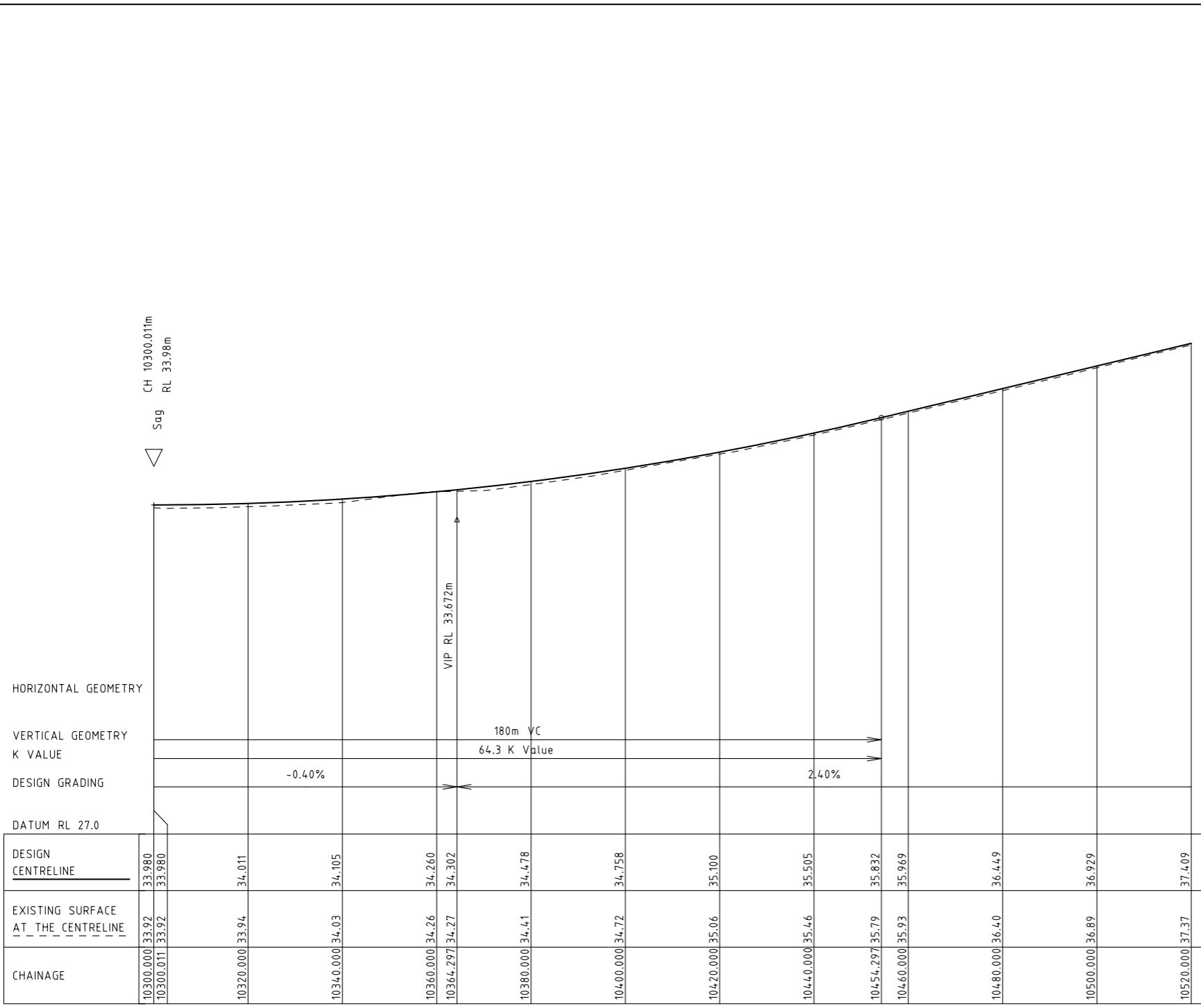
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	LONGITUDINAL SECTION SHEET 1

Status	FOR APPROVAL		
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-CI-DG-3201	Size	A3
Revision			4

BY: \$USERS\$

DATE PLOTTED: 22/10/2021 4:04:09 PM

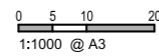
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C RS01 - LONGITUDINAL SECTION
Scale H: 1:1000
V: 1:100

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
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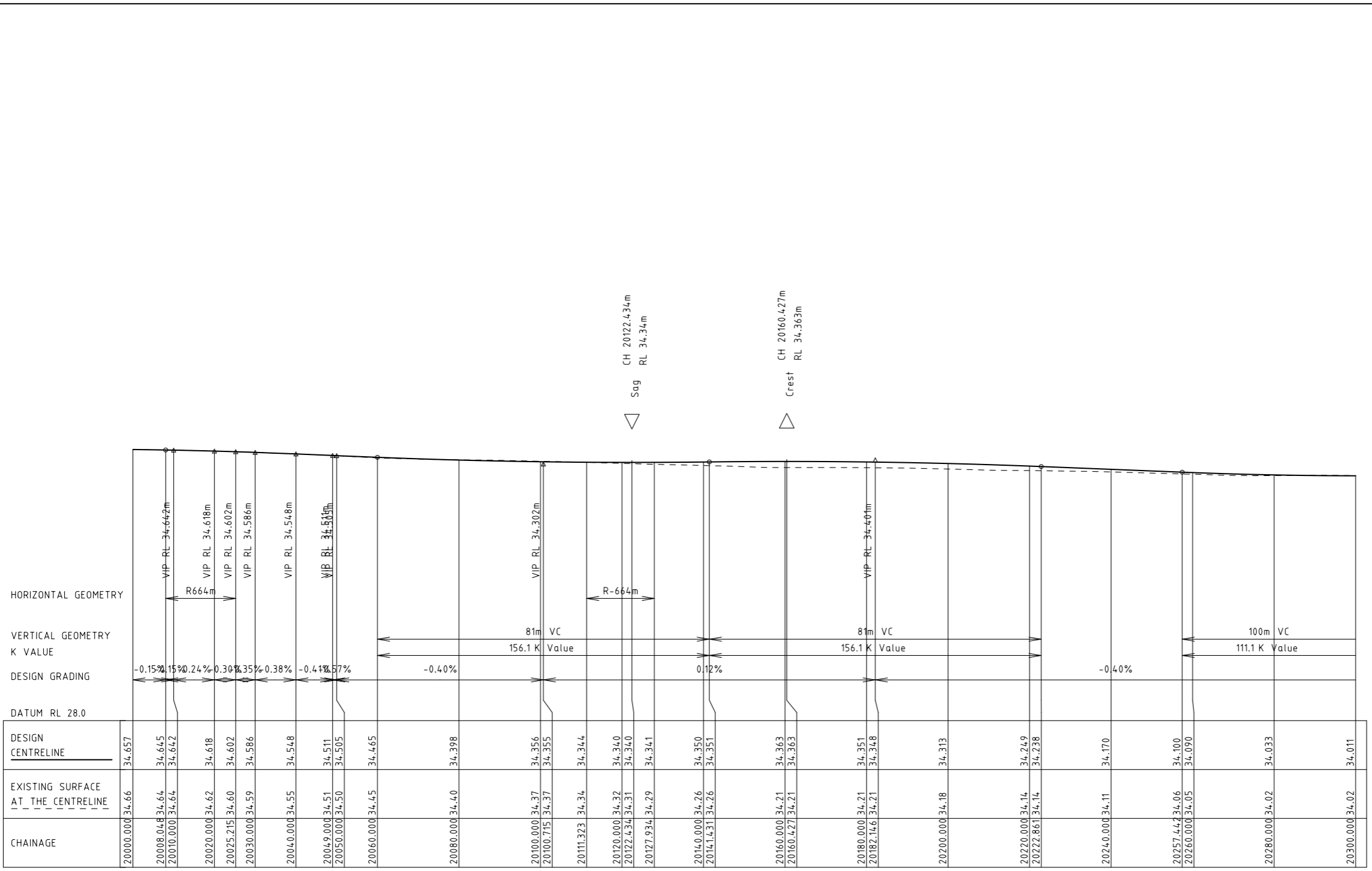


Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Checked P.CHATTERLEY	Title LONGITUDINAL SECTION SHEET 2	Date 10.06.2020
Authorised P.CHATTERLEY	Drawing Number V191441-CI-DG-3202	Scale 1:1000
		Sheet A3
		Revision 4

BY: \$USERS\$

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C RS02 - LONGITUDINAL SECTION
Scale H: 1:1000
V: 1:100

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
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1:1000 @ A3

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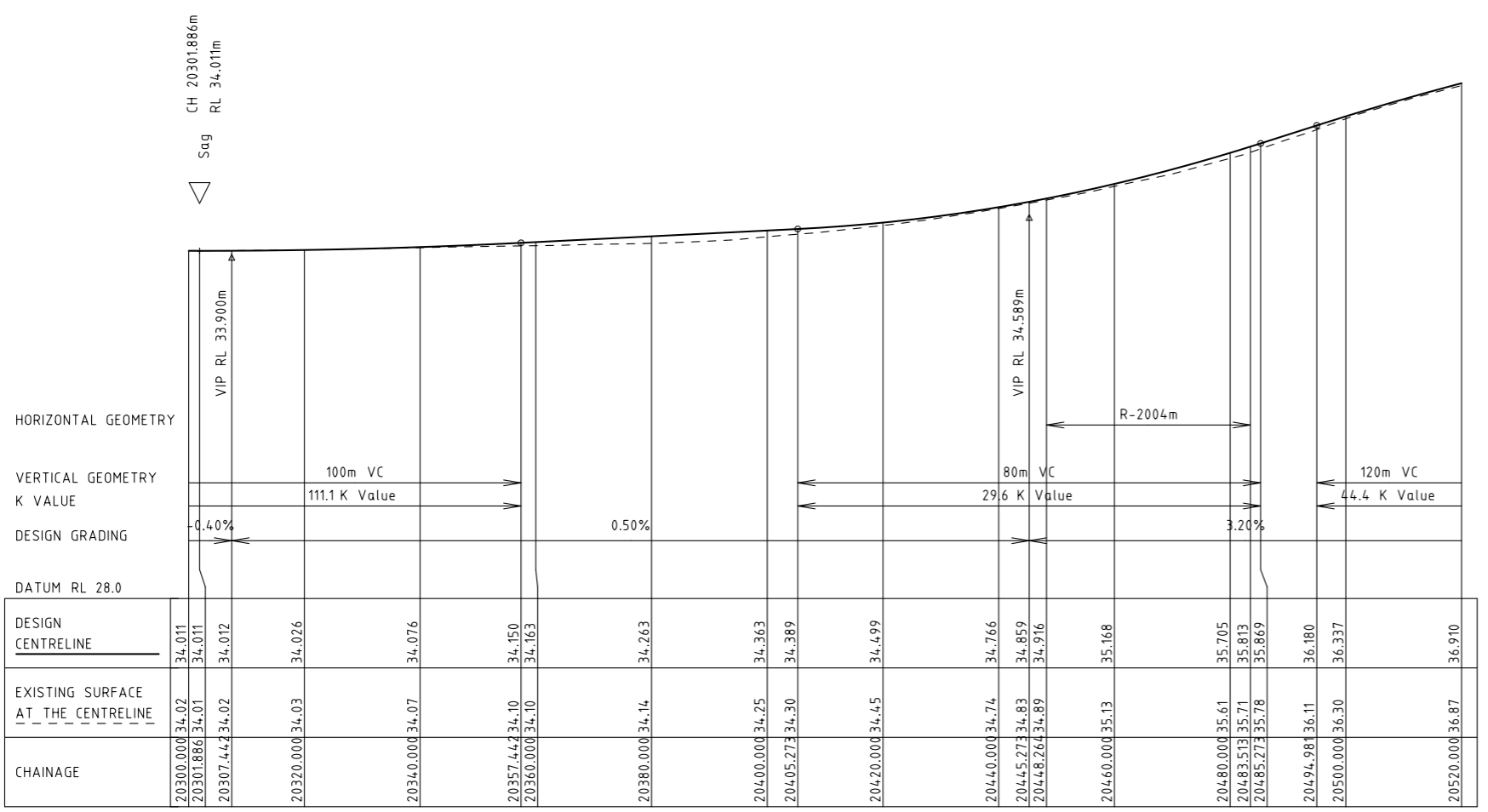
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Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	
Checked P.CHATTERLEY	Title LONGITUDINAL SECTION SHEET 3	
Authorised P.CHATTERLEY	Drawing Number V191441-CI-DG-3203	
		Date 10.06.2020
		Scale 1:1000
		Size A3
		Revision 4

BY: \$USERS\$

DATE PLOTTED: 22/10/2021 4:04:15 PM

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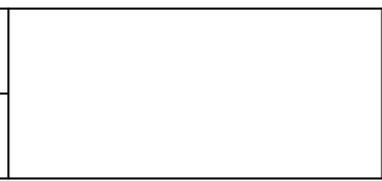
C RS02 - LONGITUDINAL SECTION
Scale H: 1:1000
V: 1:100

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
1	11.02.21	PRELIMINARY ISSUE	SB	PC

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Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

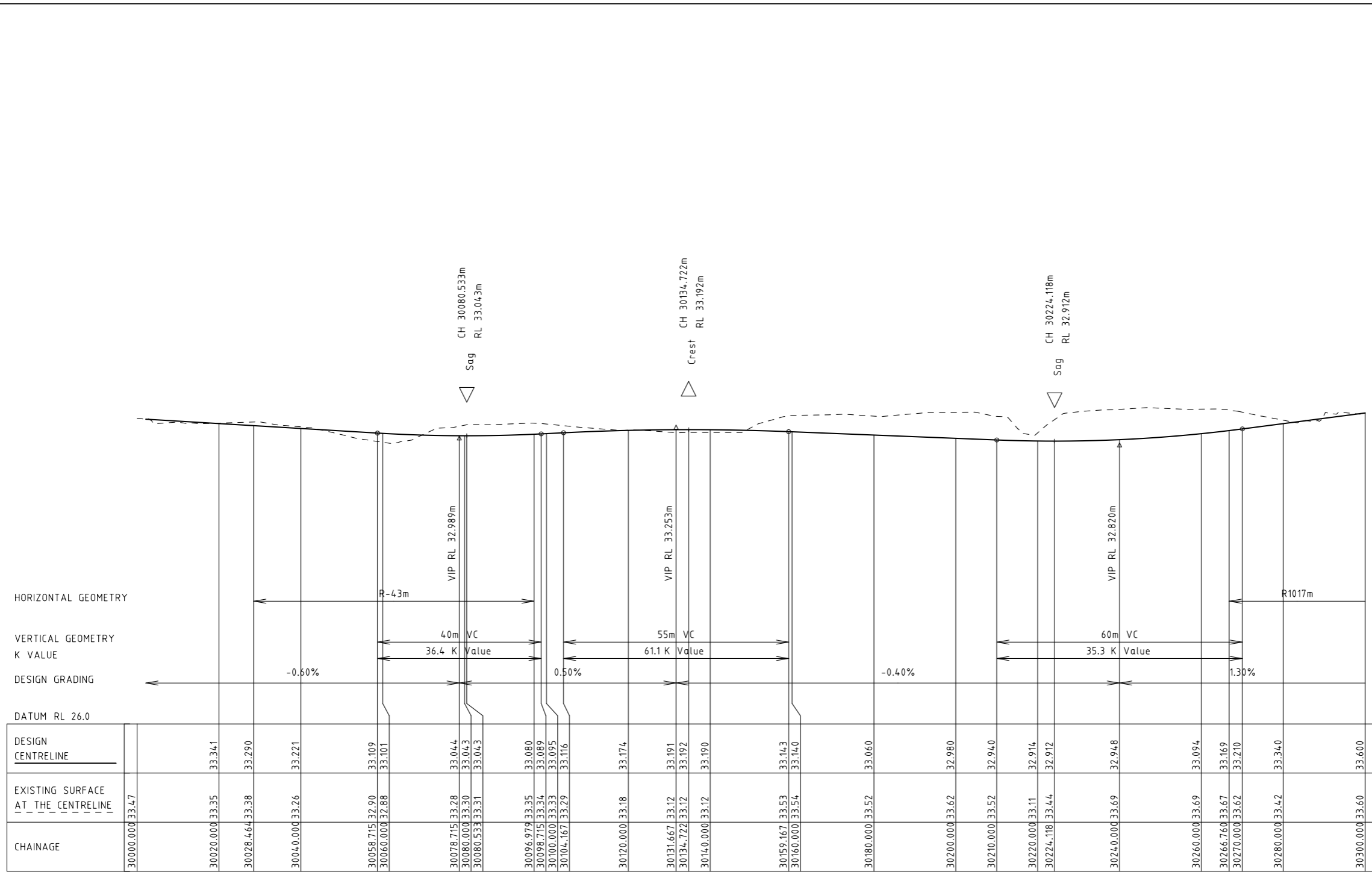
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	LONGITUDINAL SECTION SHEET 4

Status	FOR APPROVAL		
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-CI-DG-3204	Size	A3
Revision			4

BY: \$USERS\$

DATE PLOTTED: 22/10/2021 4:04:17 PM

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RS03 - LONGITUDINAL SECTION
Scale H: 1:1000
V: 1:100

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

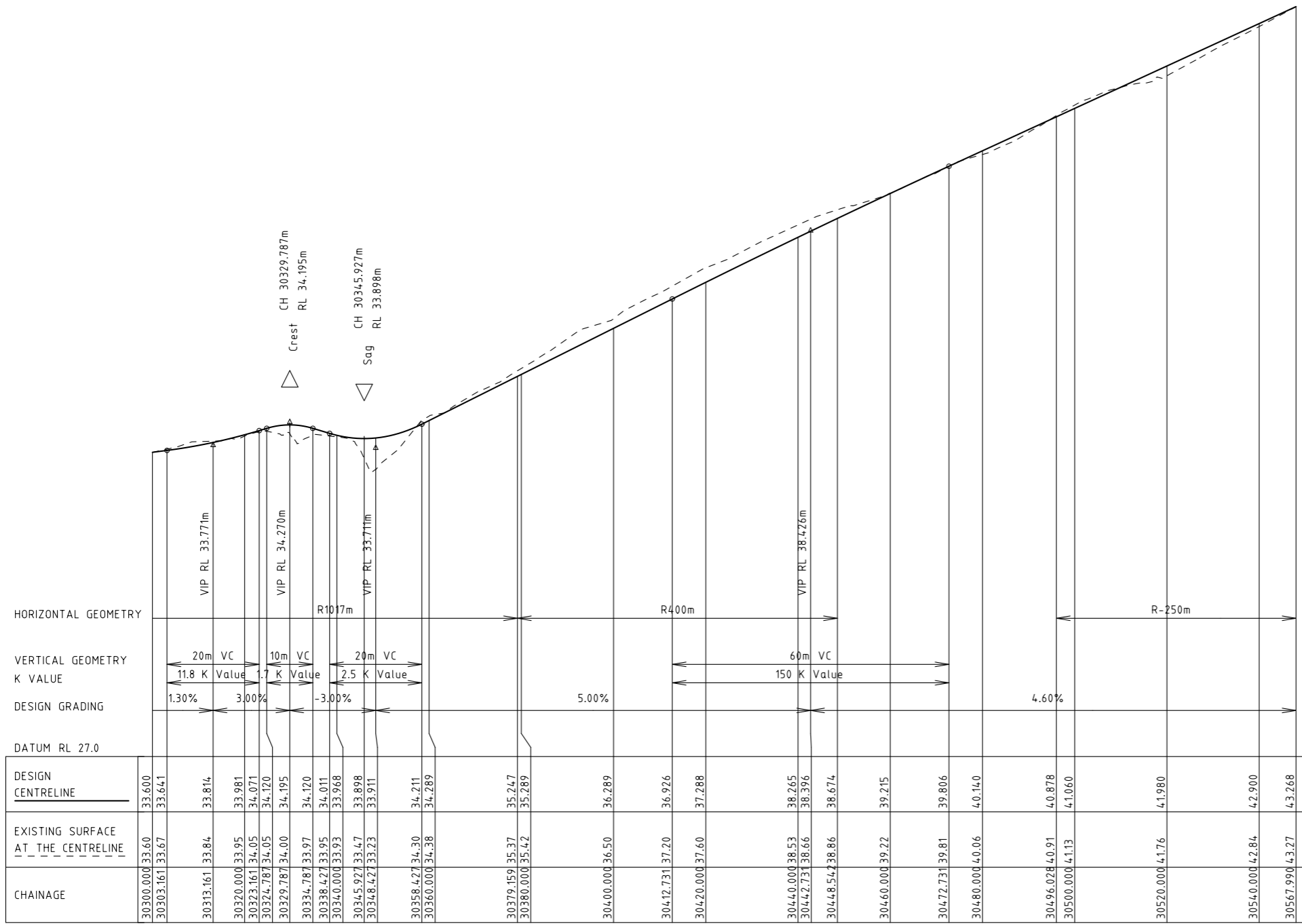
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	LONGITUDINAL SECTION SHEET 5

Status	FOR APPROVAL		
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-CI-DG-3205	Sheet	A3
Revision		Number	4

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DATE PLOTTED: 22/10/2021 4:04:20 PM

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RS03 - LONGITUDINAL SECTION
Scale H: 1:1000
V: 1:100

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
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Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

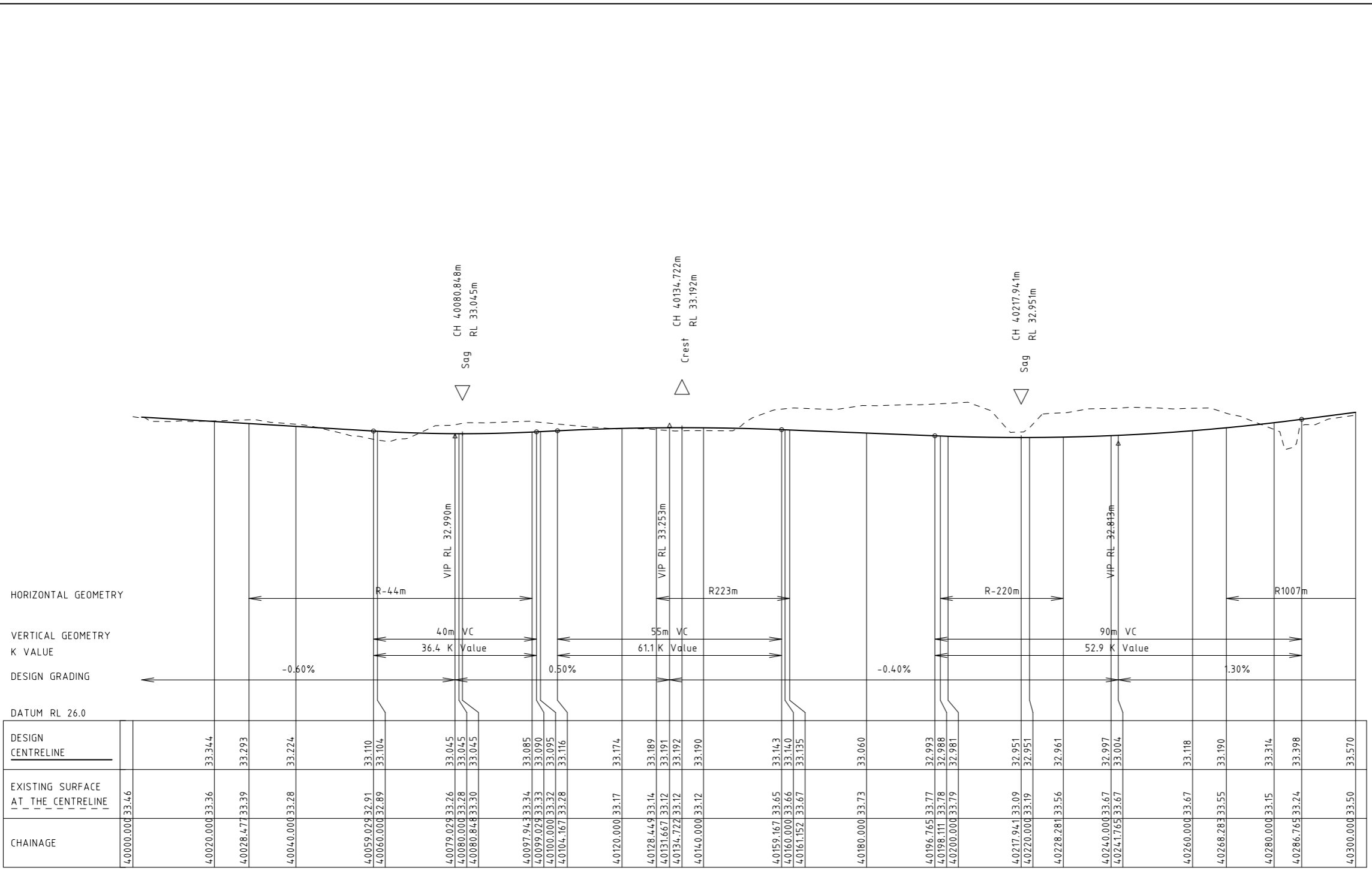
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	LONGITUDINAL SECTION SHEET 6

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-CI-DG-3206	Sheet	A3
Revision			4

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RS04 - LONGITUDINAL SECTION
Scale H: 1:1000
V: 1:100

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
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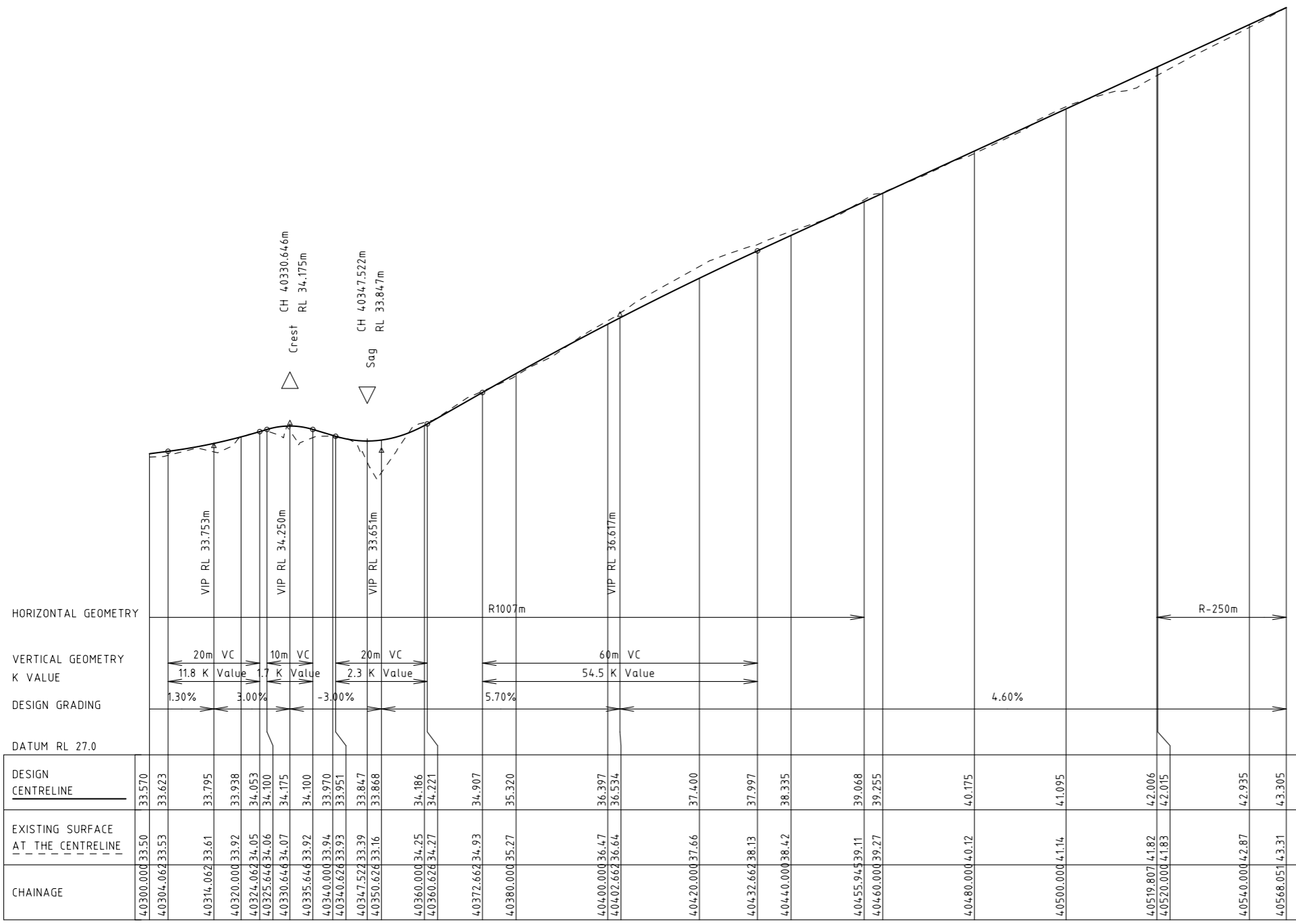
ABN: 47 106 610 913
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Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
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Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	
Checked P.CHATTERLEY	Title LONGITUDINAL SECTION SHEET 7	
Authorised P.CHATTERLEY	Drawing Number V191441-CI-DG-3207	
		Date 10.06.2020
		Scale 1:1000
		Size A3
		Revision 4

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DATE PLOTTED: 22/10/2021 4:04:25 PM

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RS04 - LONGITUDINAL SECTION
Scale H: 1:1000
V: 1:100

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
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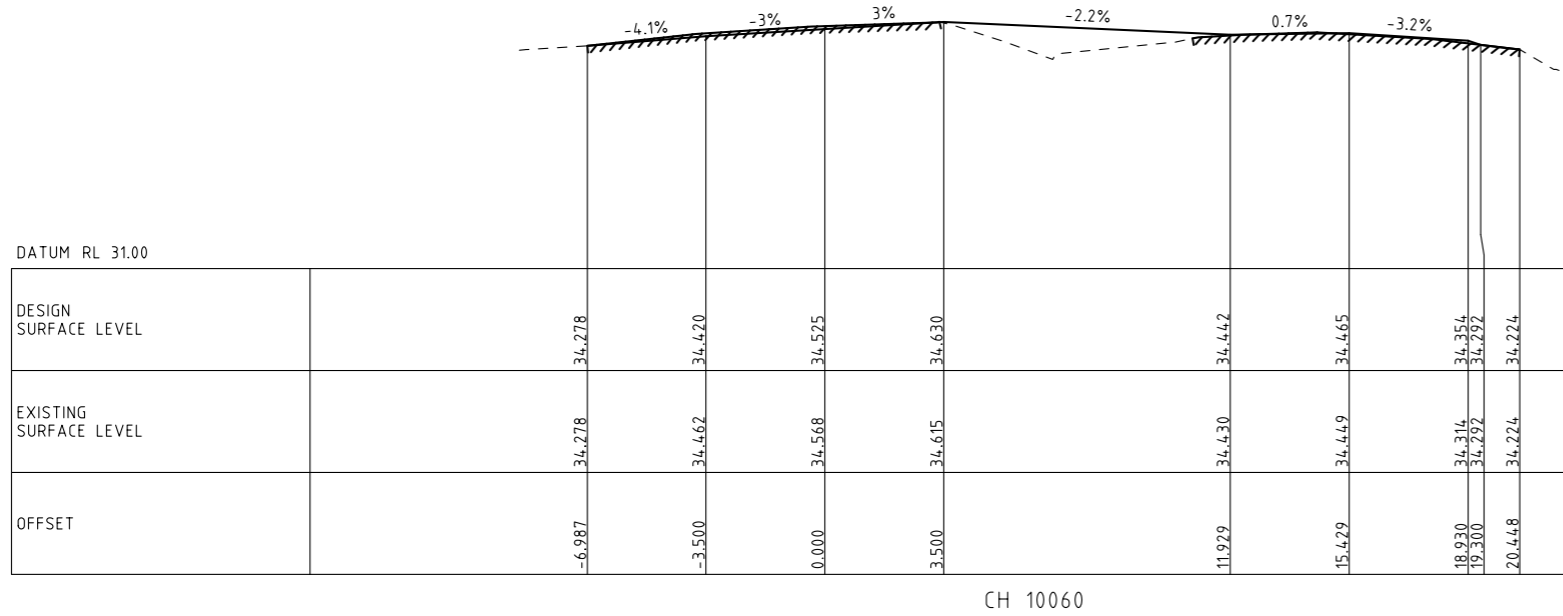
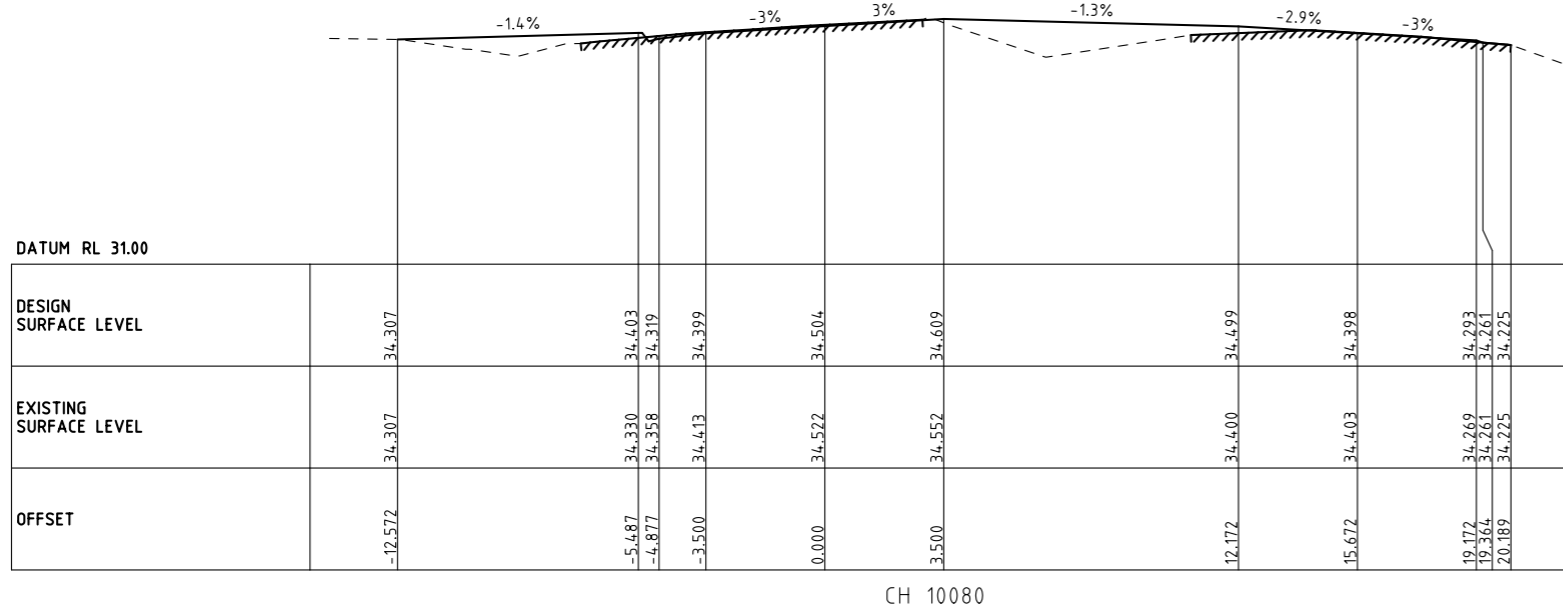
ABN: 47 106 610 913
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Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Checked P.CHATTERLEY	Title LONGITUDINAL SECTION SHEET 8	Date 10.06.2020
Authorised P.CHATTERLEY	Drawing Number V191441-CI-DG-3208	Scale 1:1000
		Sheet A3
		Revision 4

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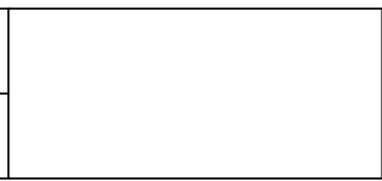


Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

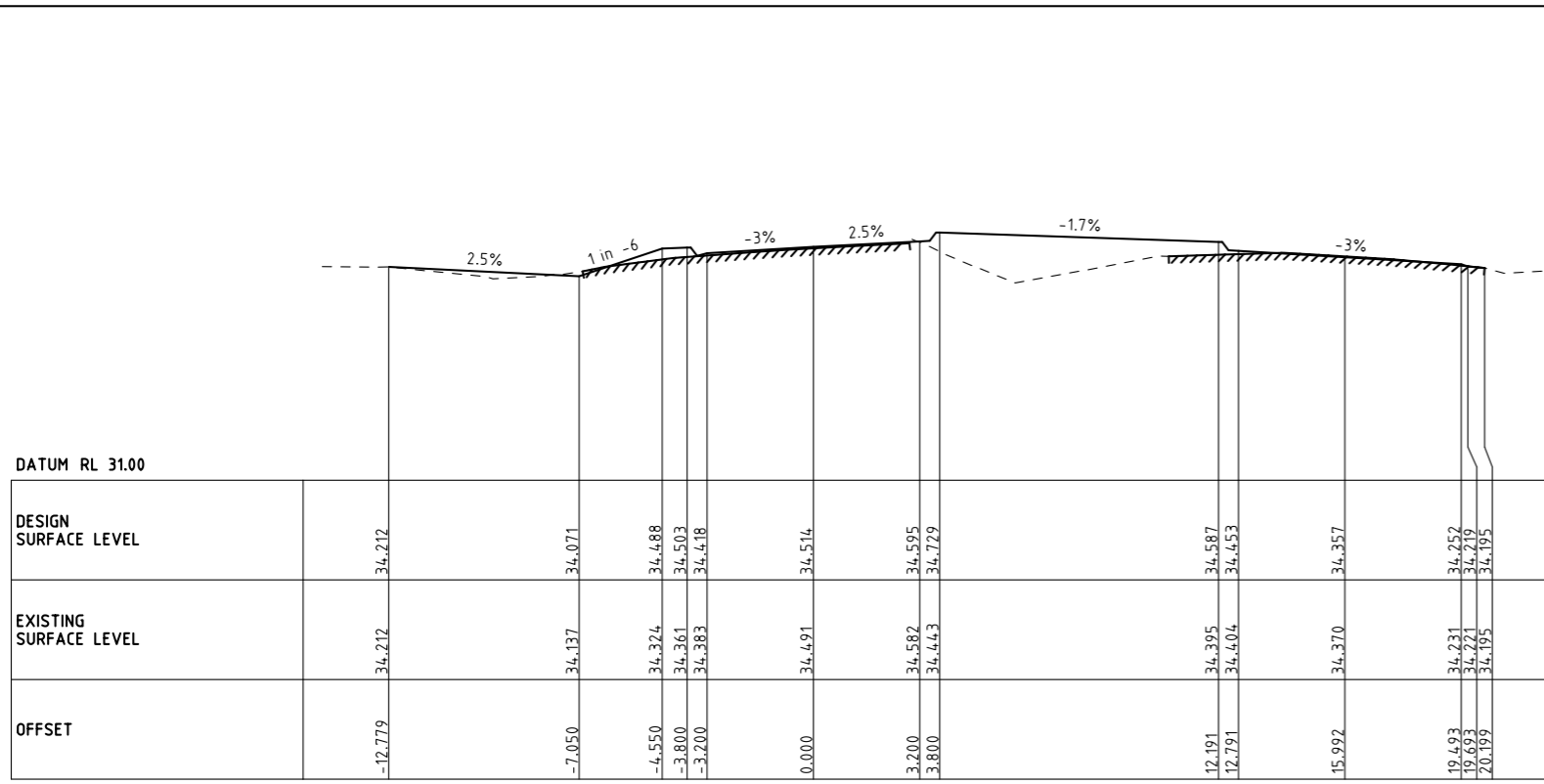
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 1

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Size	A3	Drawing Number	V191441-CI-DG-4201
Revision	4		

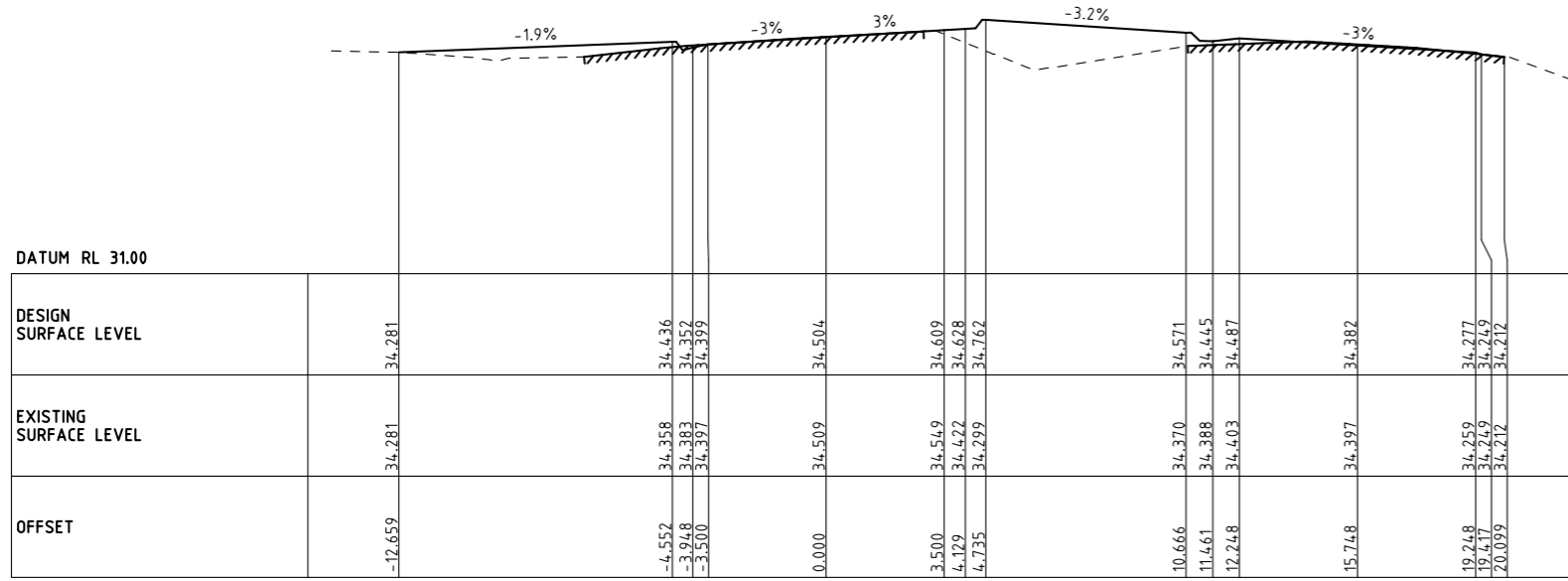
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CAD File: M:\2018\1001_1500V191441_CSC_Design_of_6_Intersections\Civil\Drafting\Part B - Bayview Road\191441-Cl-DG-4202.dgn



CH 10099.2



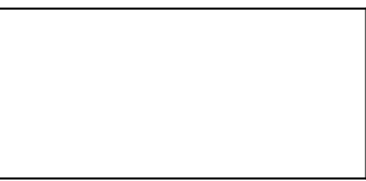
CH 10086.25

Rev	Date	Description	Drawn	Appr.
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3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
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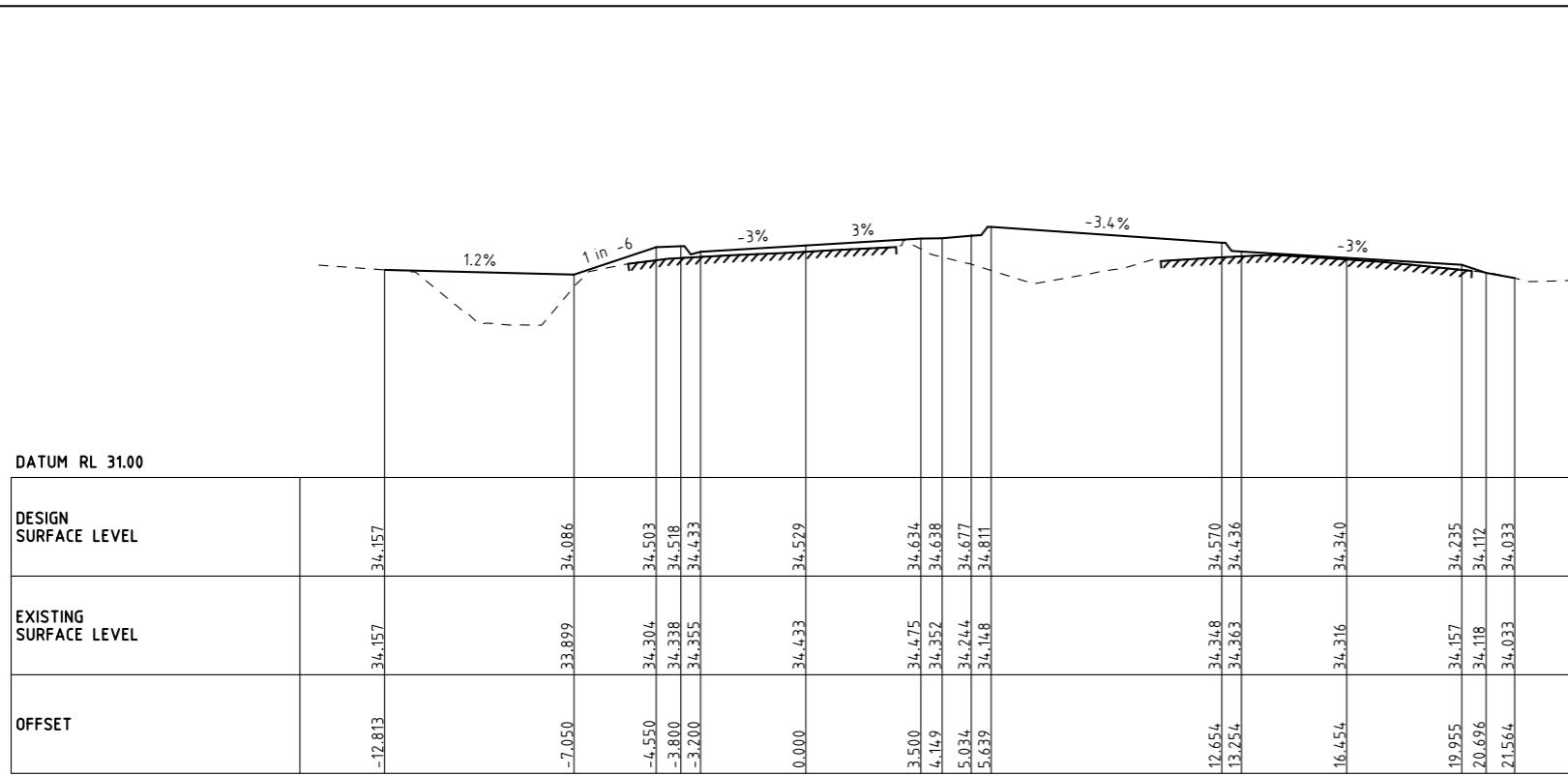
Drawn	S.BECKHAM	Client	CARDINIA SHIRE COUNCIL
Designed	S.BECKHAM	Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Checked	P.CHATTERLEY	Title	CROSS SECTION SHEET 2
Authorised	P.CHATTERLEY	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES

Date	10.06.2020	Scale	1:1000	Size	A3
Drawing Number	V191441-Cl-DG-4202	Revision	4		

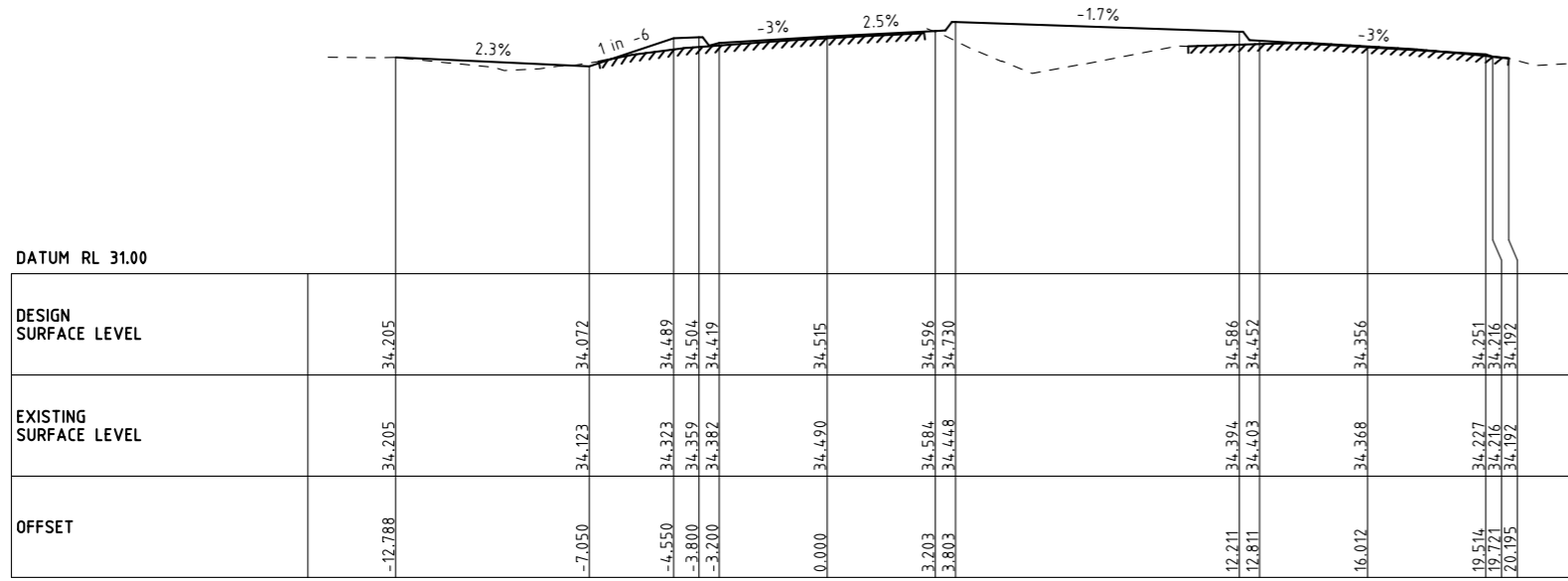
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CH 10120



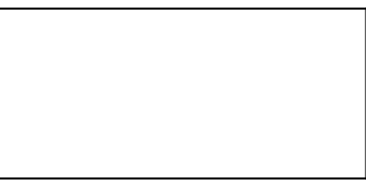
CH 10100

Rev	Date	Description	Drawn	Appr.
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3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
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Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

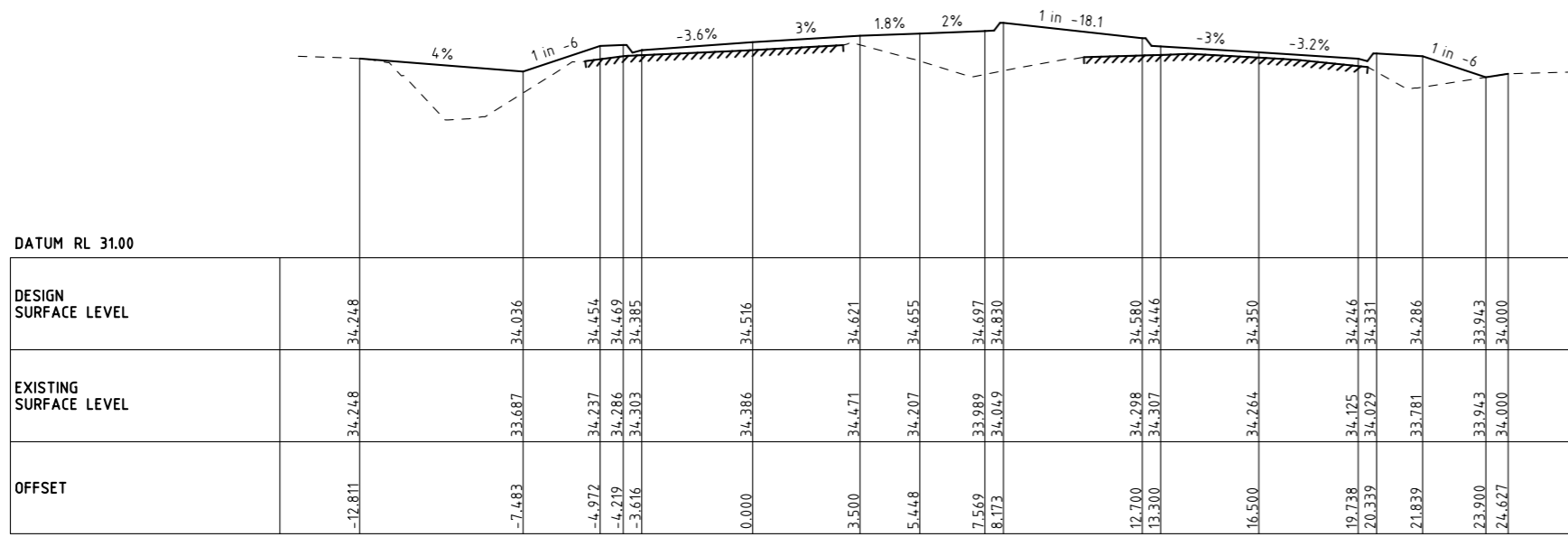
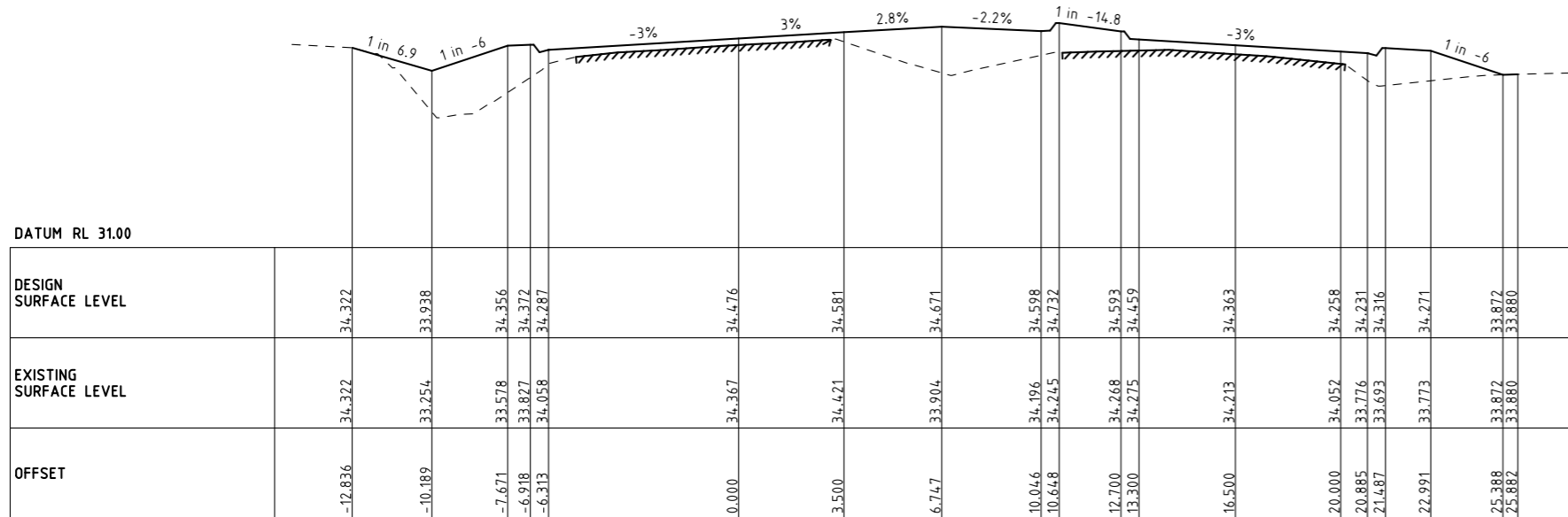
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 3

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Size	A3		Revision
Drawing Number	V191441-Cl-DG-4203	Revision	4

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CAD File: M:\2018\1001_1500V191441_CSC_Design_of_6_Intersections\Civil\Drafting\Part B - Bayview Road\191441-CI-DG-4204.dgn

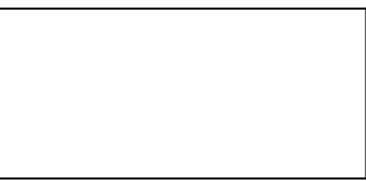


Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

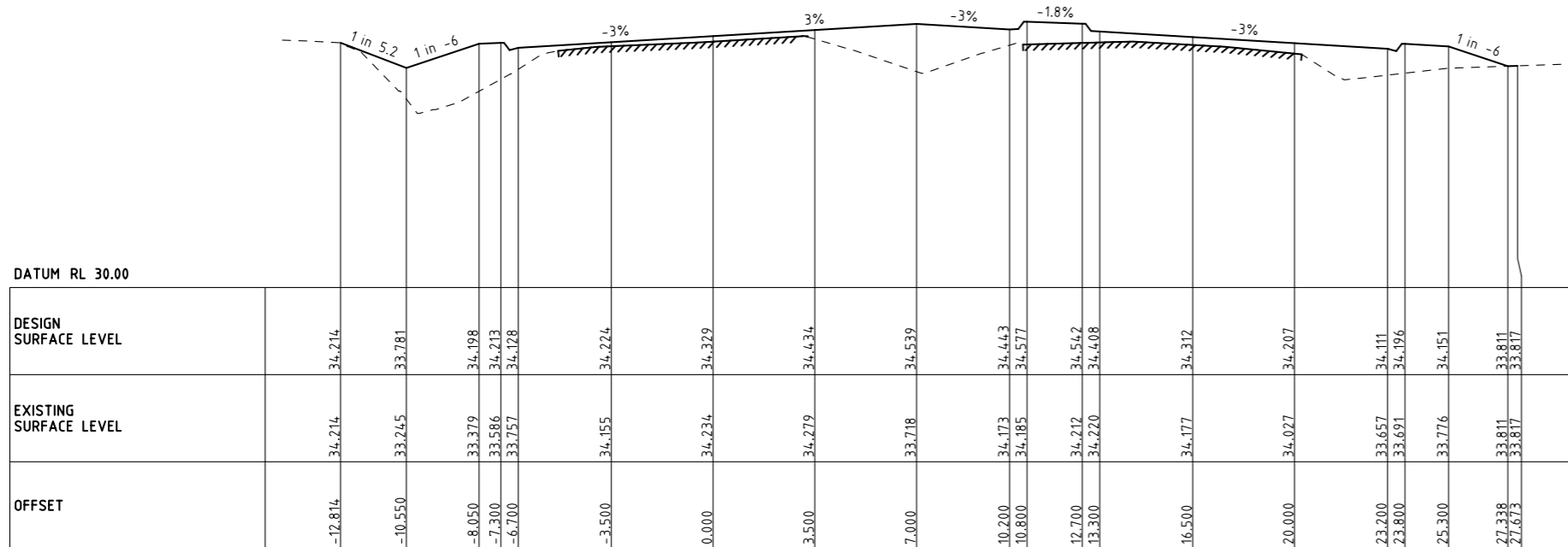
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 4

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-CI-DG-4204	Size	A3
Revision			4

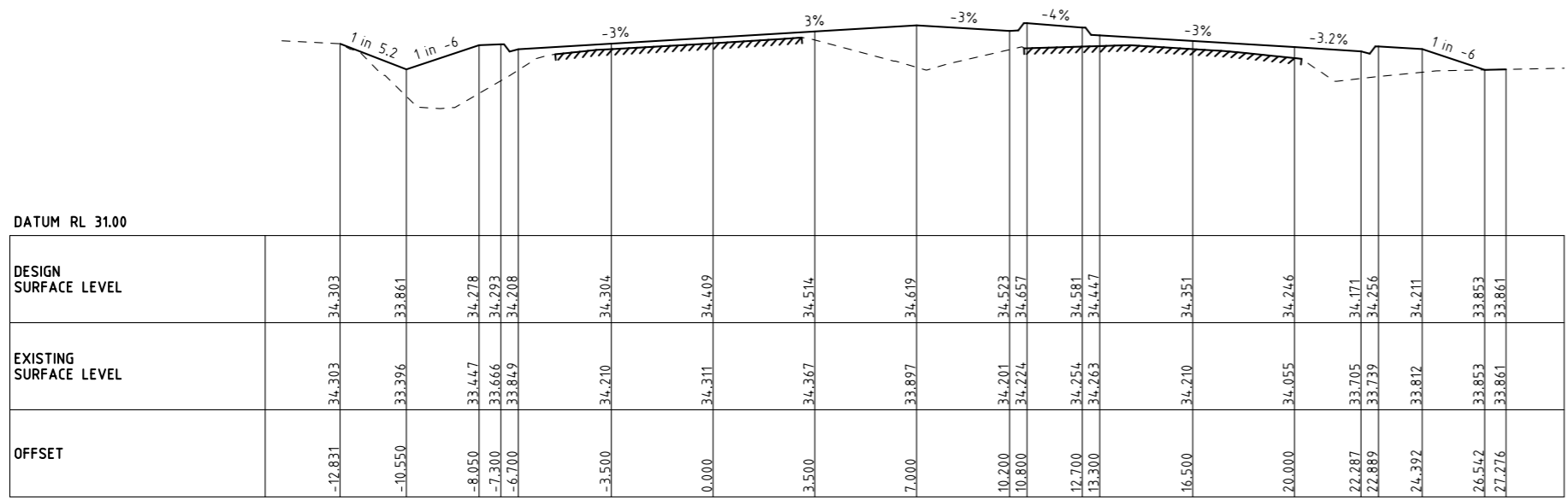
BY: \$USERS

DATE PLOTTED: 22/10/2021 4:04:39 PM

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CH 10200



CH 10180

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

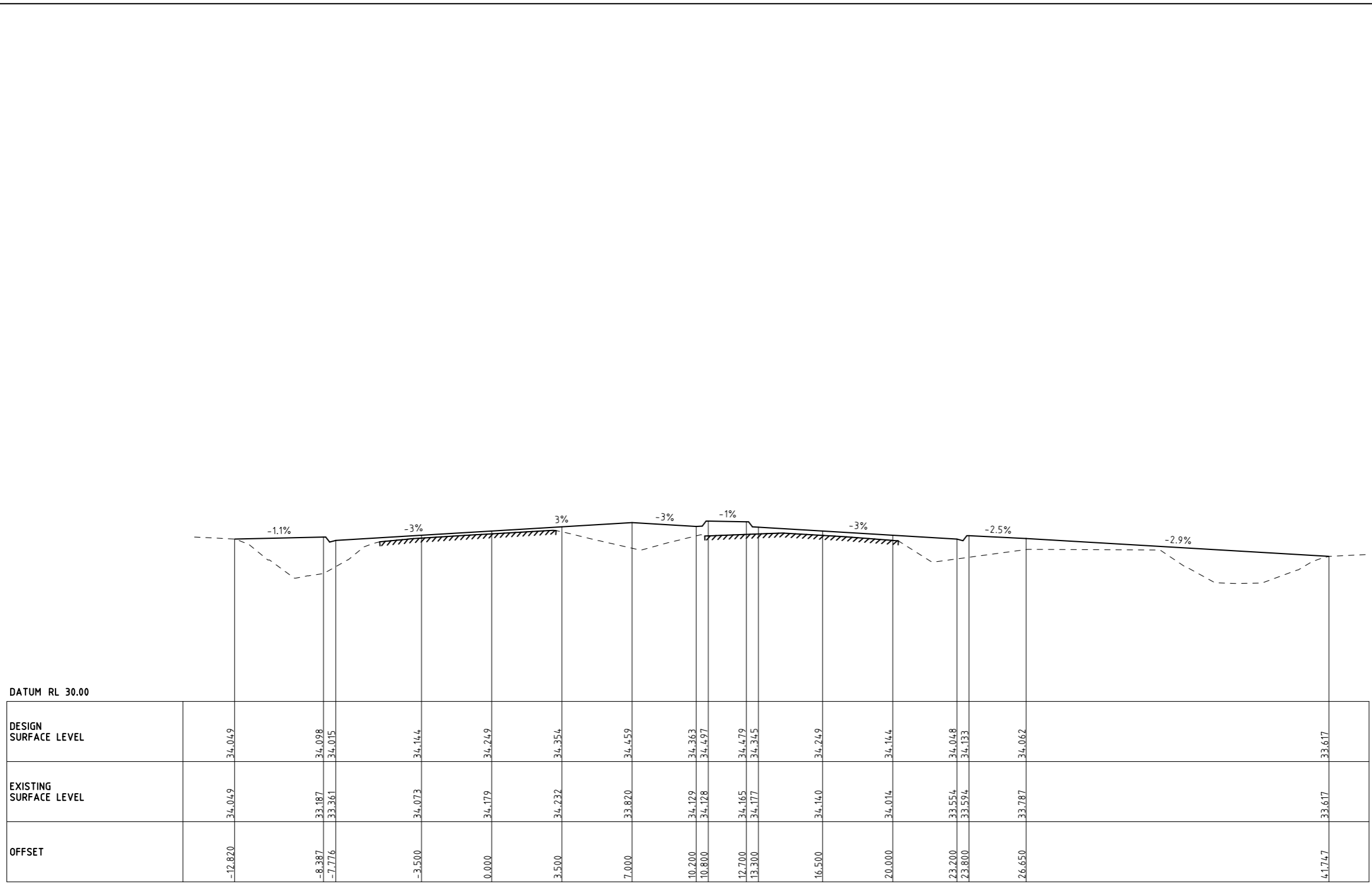
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 5

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-CI-DG-4205	Size	A3
Revision			4

BY: \$USERS\$

DATE PLOTTED: 22/10/2021 4:04:42 PM

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CH 10220

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
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2	11.08.21	ISSUE FOR TENDER	SB	PC
1	11.02.21	PRELIMINARY ISSUE	SB	PC

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 501 Swanston Street, Melbourne, VIC Australia 3000
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 Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

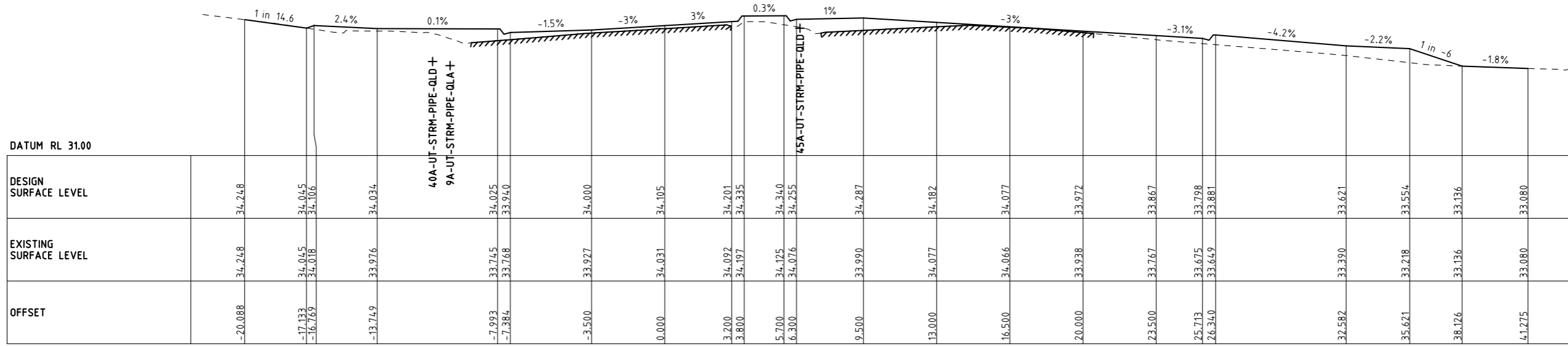
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 6

Status	FOR APPROVAL		
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-CI-DG-4206	Sheet	A3
Revision		Number	4

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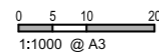


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	16.500	34.066	34.077
	20.000	33.938	33.972
	23.500	33.767	33.867
	25.713	33.675	33.798
	26.340	33.649	33.881
	32.582	33.390	33.621
	35.621	33.218	33.554
	38.126	33.136	33.136
	41.275	33.080	33.080

CH 10340

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
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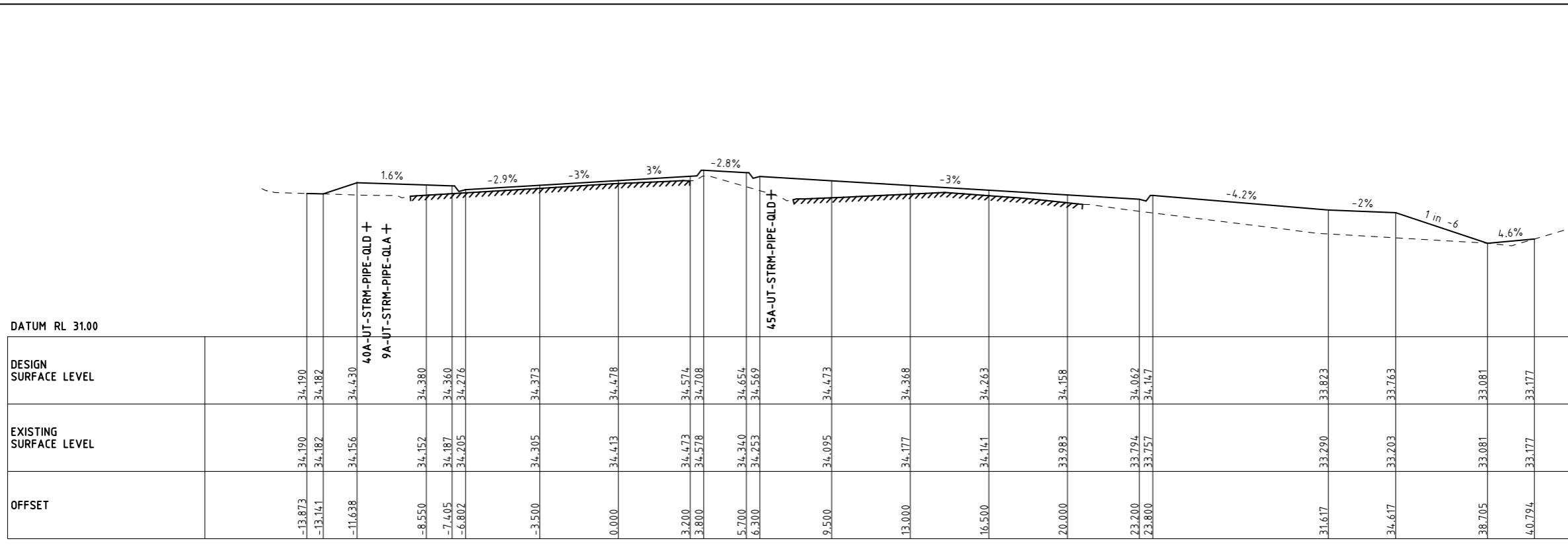


Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Checked P.CHATTERLEY	Title CROSS SECTION SHEET 7	Date 10.06.2020
Authorised P.CHATTERLEY	Drawing Number V191441-CI-DG-4207	Scale 1:1000
	Revision 4	Sheet A3

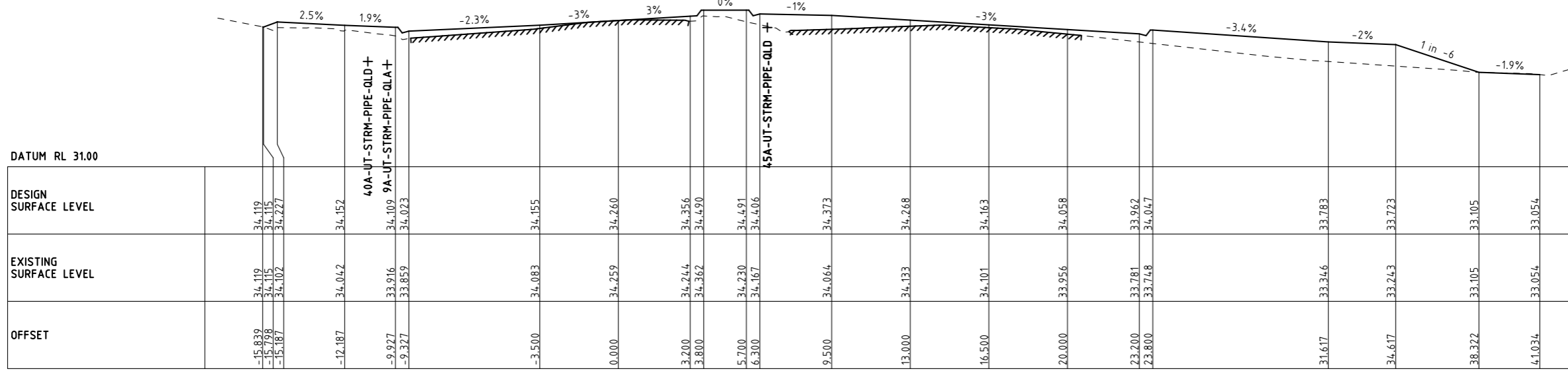
BY: \$USERS\$

DATE PLOTTED: 22/10/2021 4:04:47 PM

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CH 10380



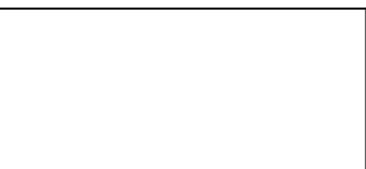
CH 10360

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

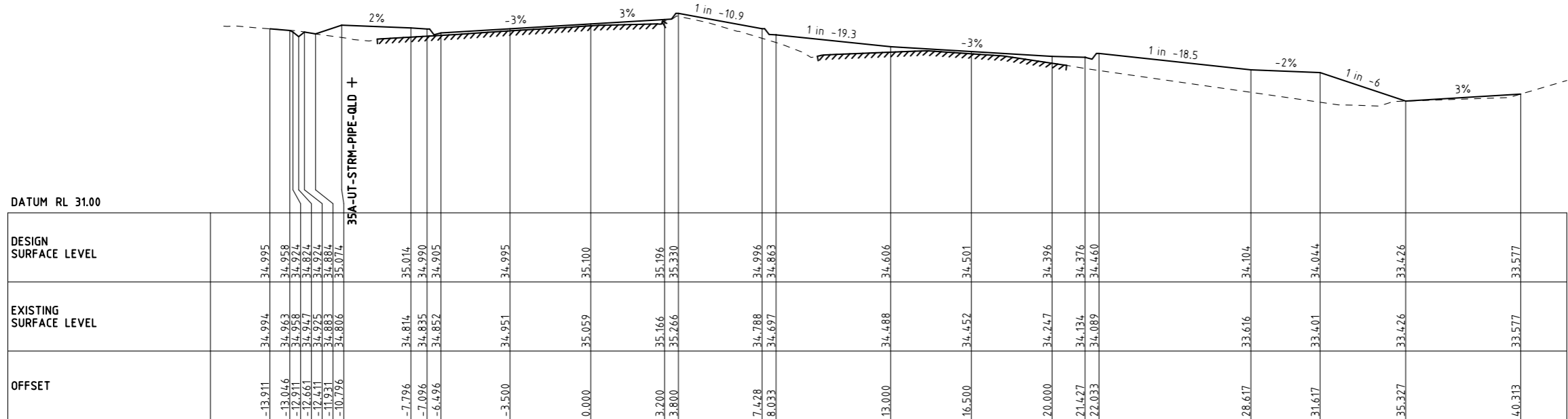
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 8

Status	FOR APPROVAL		
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
Date	10.06.2020	Scale	1:1000
Sheet	1	Size	A3
Drawing Number	V191441-CI-DG-4208	Revision	4

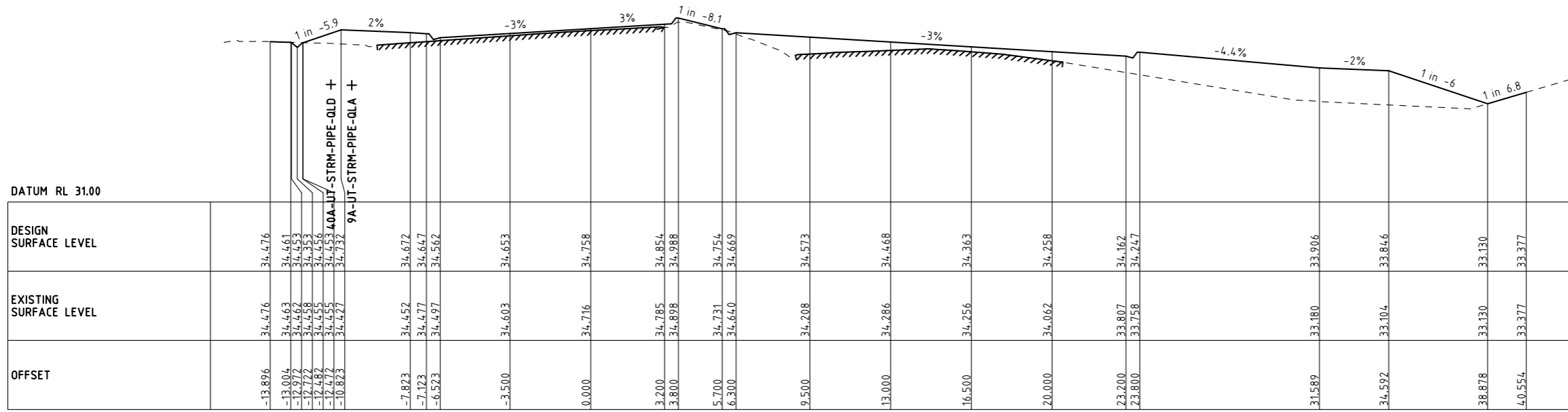
BY: SUSERS

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CH 10420



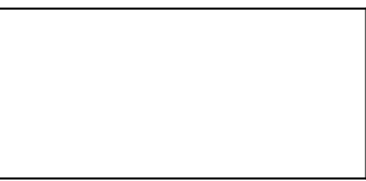
CH 10400

Rev	Date	Description	Drawn	Appr.
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3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

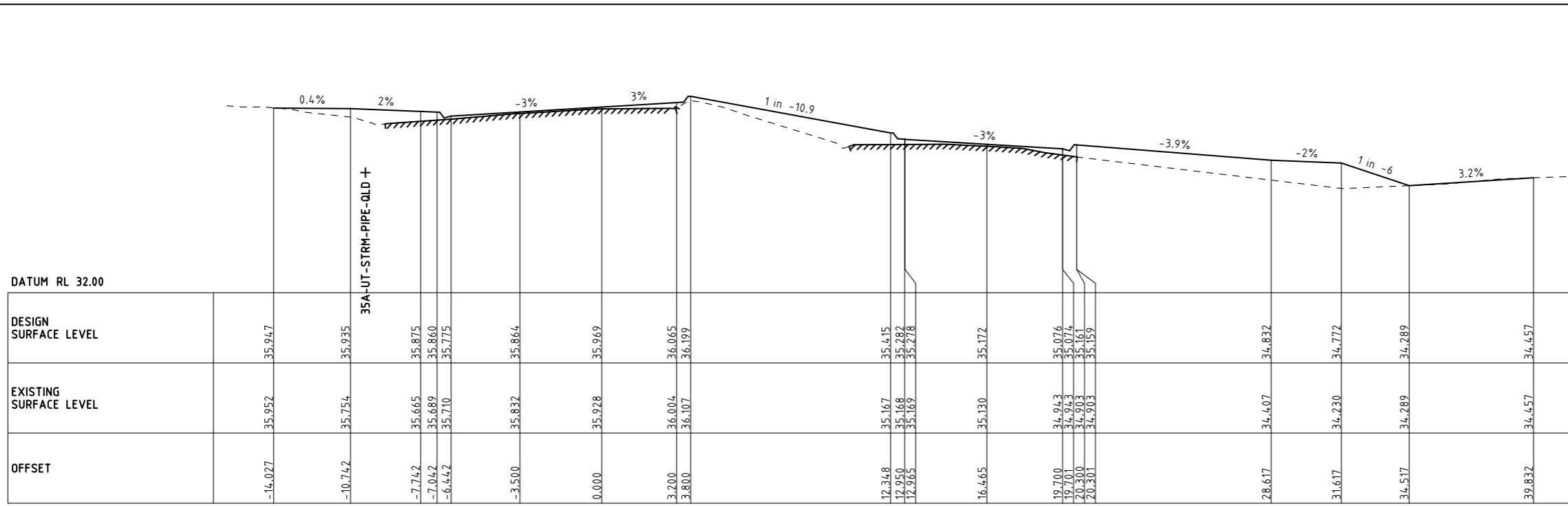
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 9

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-Cl-DG-4209	Size	A3
Revision			4

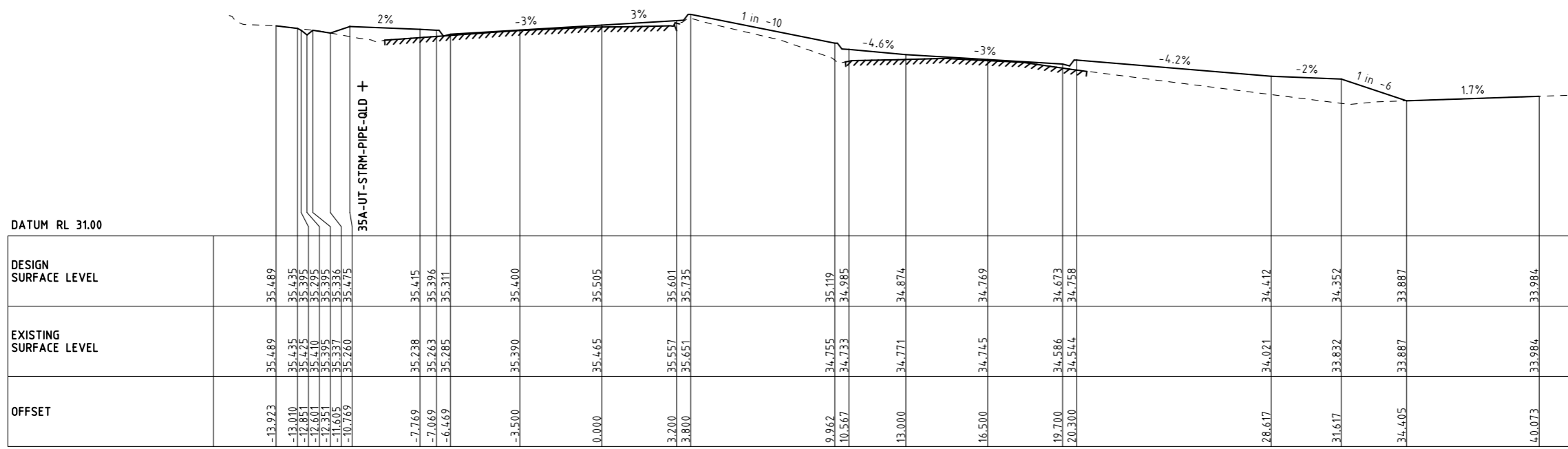
BY: \$USERS\$

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CH 10460



CH 10440

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
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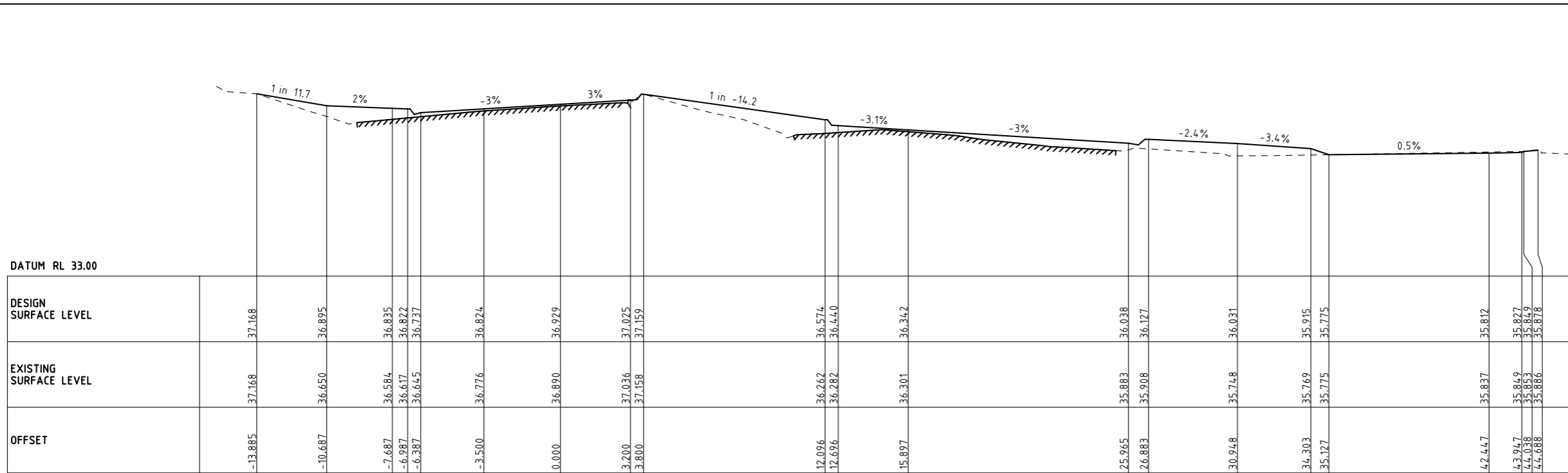
ABN: 47 106 610 913
 501 Swanton Street, Melbourne, VIC Australia 3000
 Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
 Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Checked P.CHATTERLEY	Title CROSS SECTION SHEET 10	Date 10.06.2020
Authorised P.CHATTERLEY	Drawing Number V191441-CI-DG-4210	Scale 1:1000
		Size A3
		Revision 4

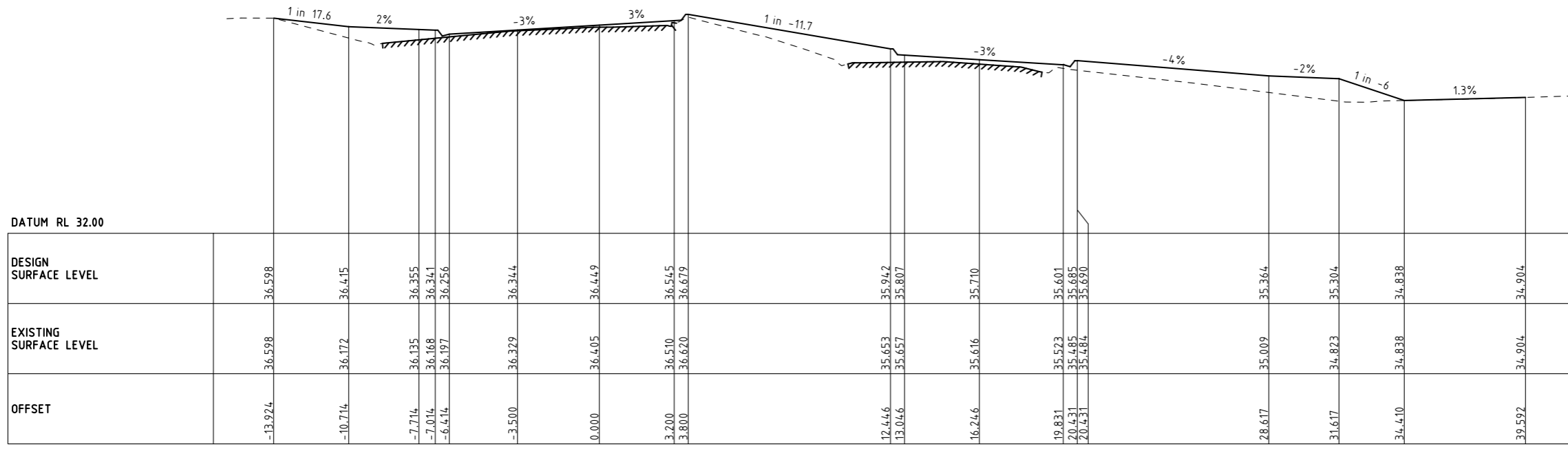
BY: \$USERS\$

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CH 10500



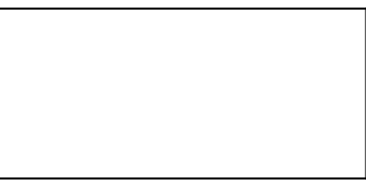
CH 10480

Rev	Date	Description	Drawn	Appr.
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3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

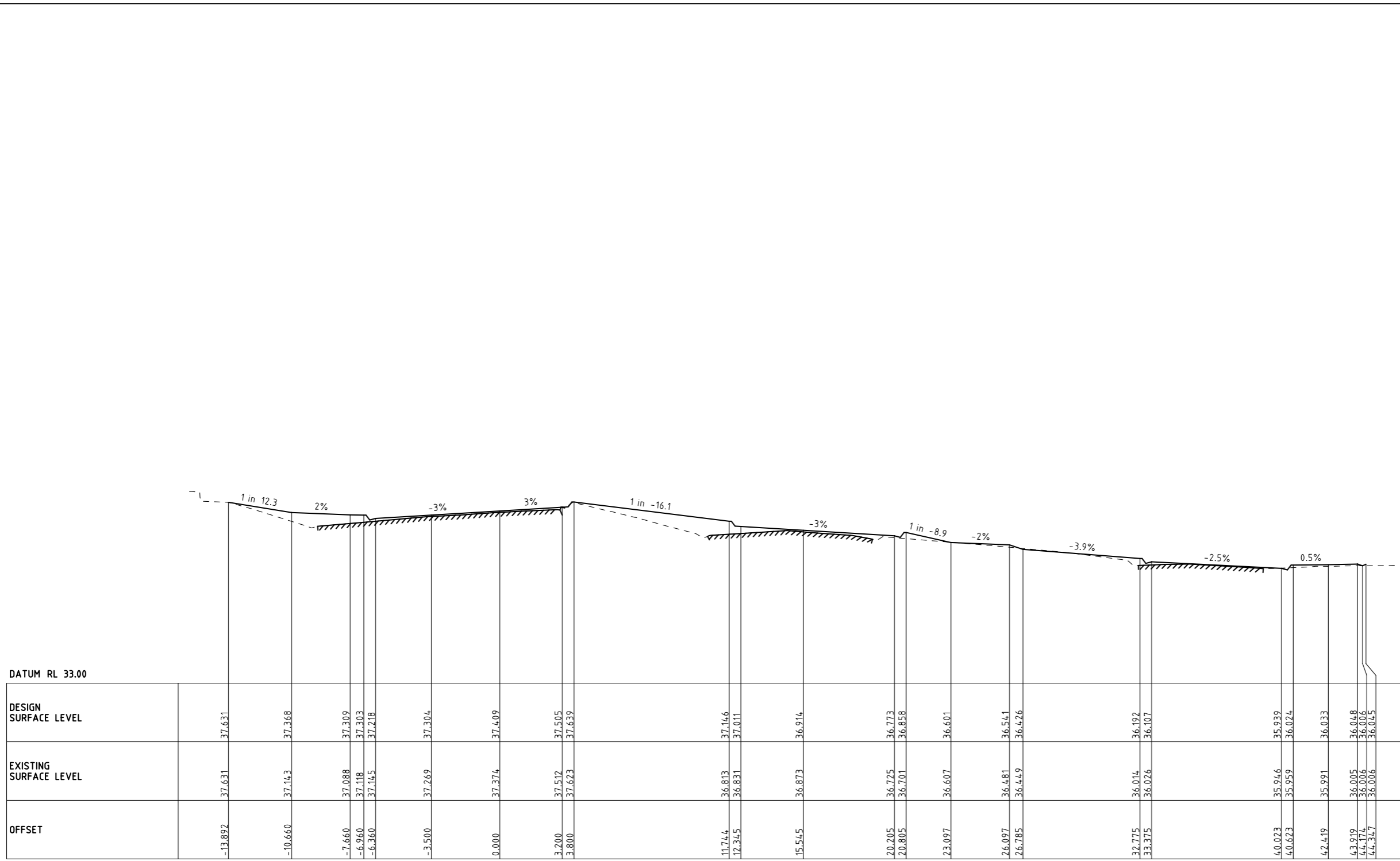
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 11

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-Cl-DG-4211	Size	A3
		Revision	4

BY: \$USERS

DATE PLOTTED: 22/10/2021 4:04:58 PM

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CH 10520

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
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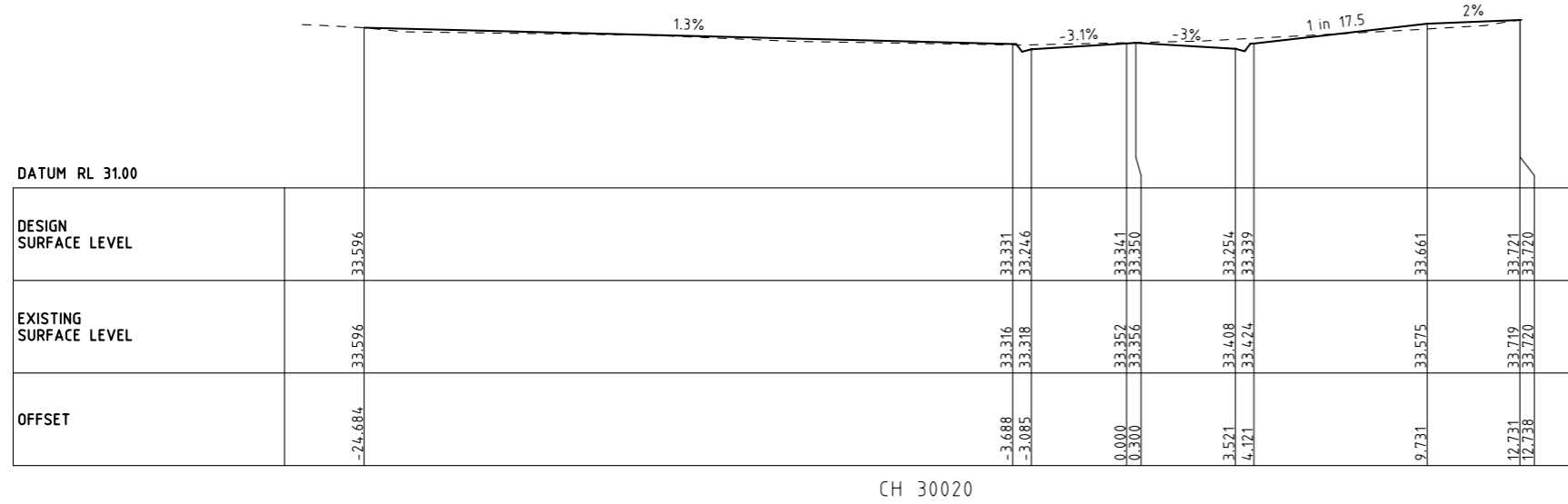


Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 12

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-CI-DG-4212	Size	A3
Revision			4

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CH 30020

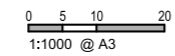


CH 30000

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Rev	Date	Description	Drawn	Appr.
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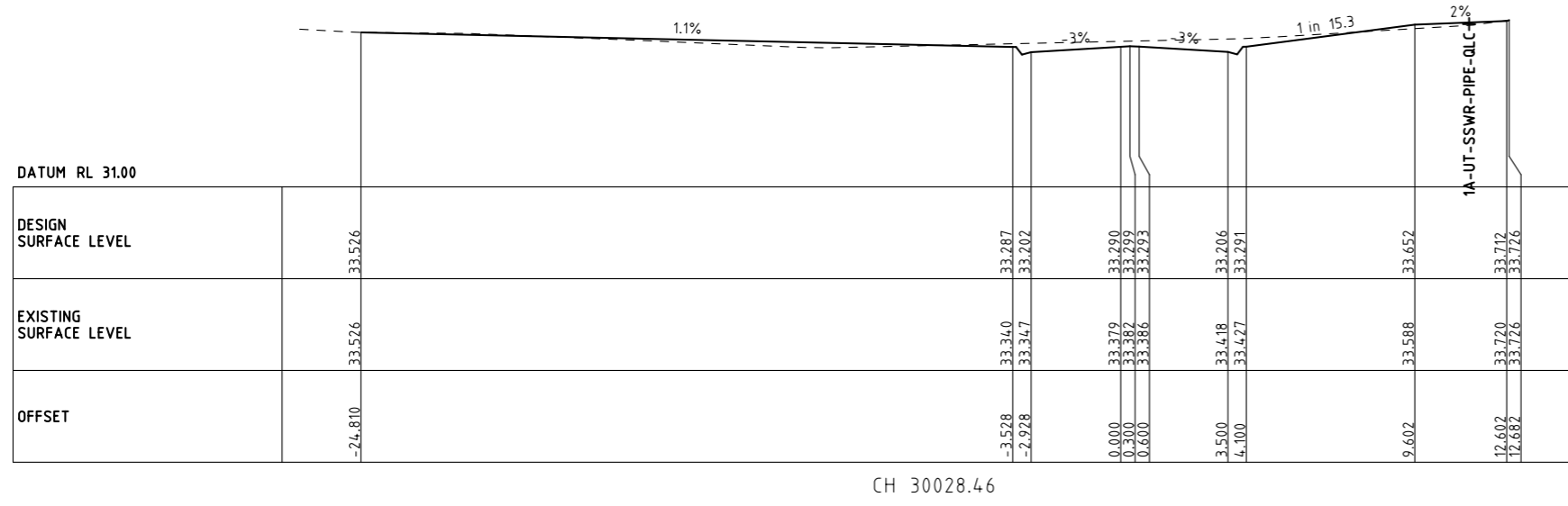
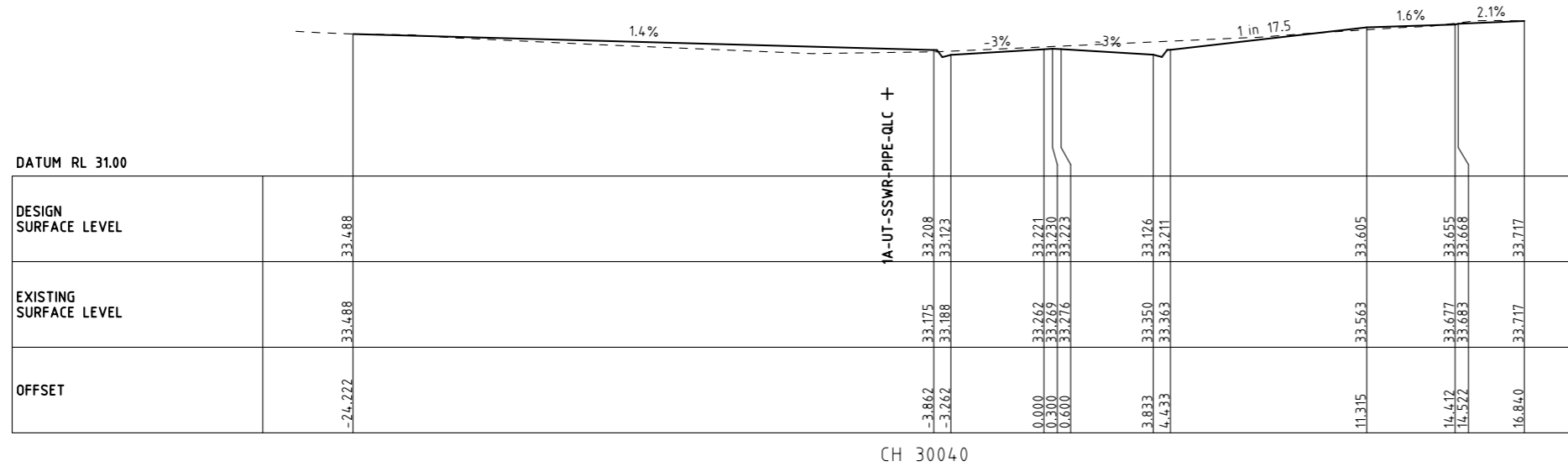


Drawn	S.BECKHAM	Client	CARDINIA SHIRE COUNCIL
Designed	S.BECKHAM	Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Checked	P.CHATTERLEY	Title	CROSS SECTION SHEET 13
Authorised	P.CHATTERLEY	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
		Date	10.06.2020
		Scale	1:1000
		Size	A3
		Drawing Number	V191441-CI-DG-4213
		Revision	4

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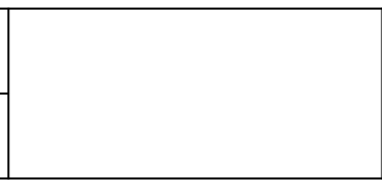


Rev	Date	Description	Drawn	Appr.
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3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
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Drawn S.BECKHAM
 Designed S.BECKHAM
 Checked P.CHATTERLEY
 Authorised P.CHATTERLEY

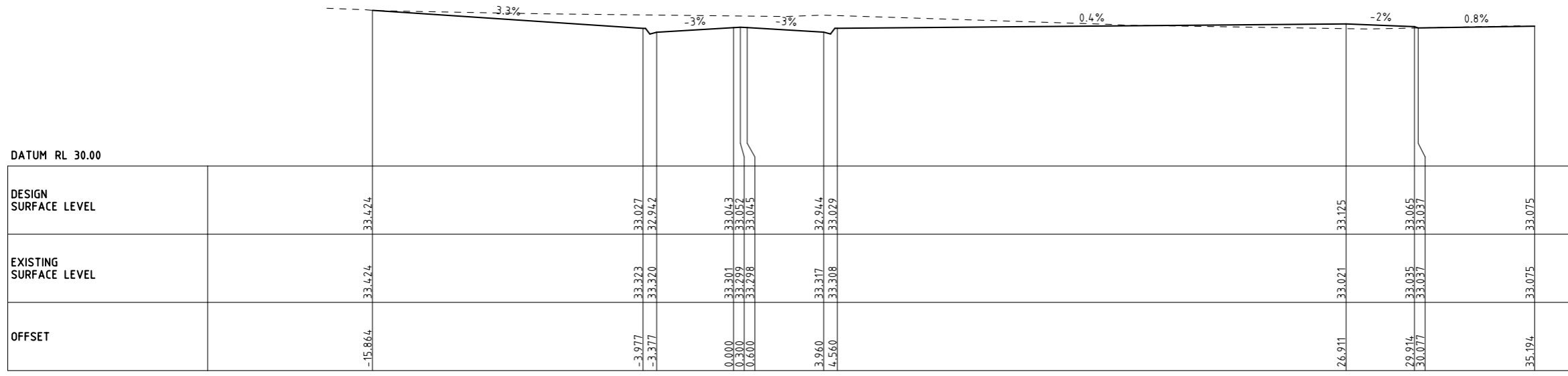
Client CARDINIA SHIRE COUNCIL
 Project CSC
 PART B - BAYVIEW ROAD
 BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
 Title CROSS SECTION
 SHEET 14

Status **FOR APPROVAL**
 NOT TO BE USED FOR CONSTRUCTION PURPOSES
 Date 10.06.2020 Scale 1:1000 Size A3
 Drawing Number V191441-CI-DG-4214 Revision 4

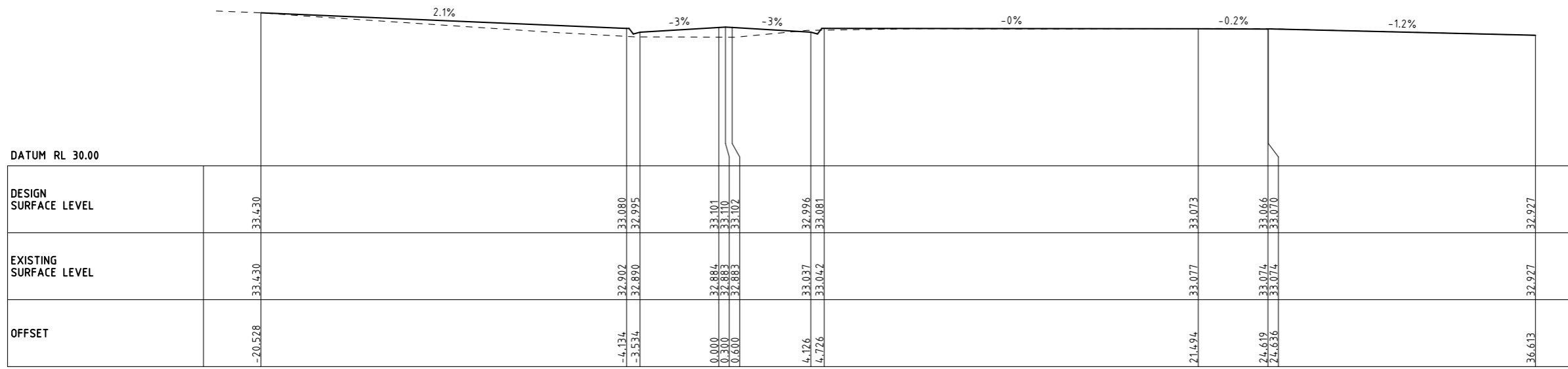
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CH 30080



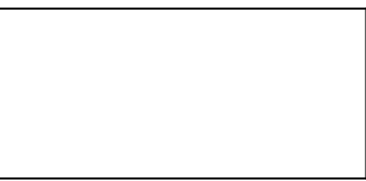
CH 30060

Rev	Date	Description	Drawn	Appr.
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2	11.08.21	ISSUE FOR TENDER	SB	PC
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

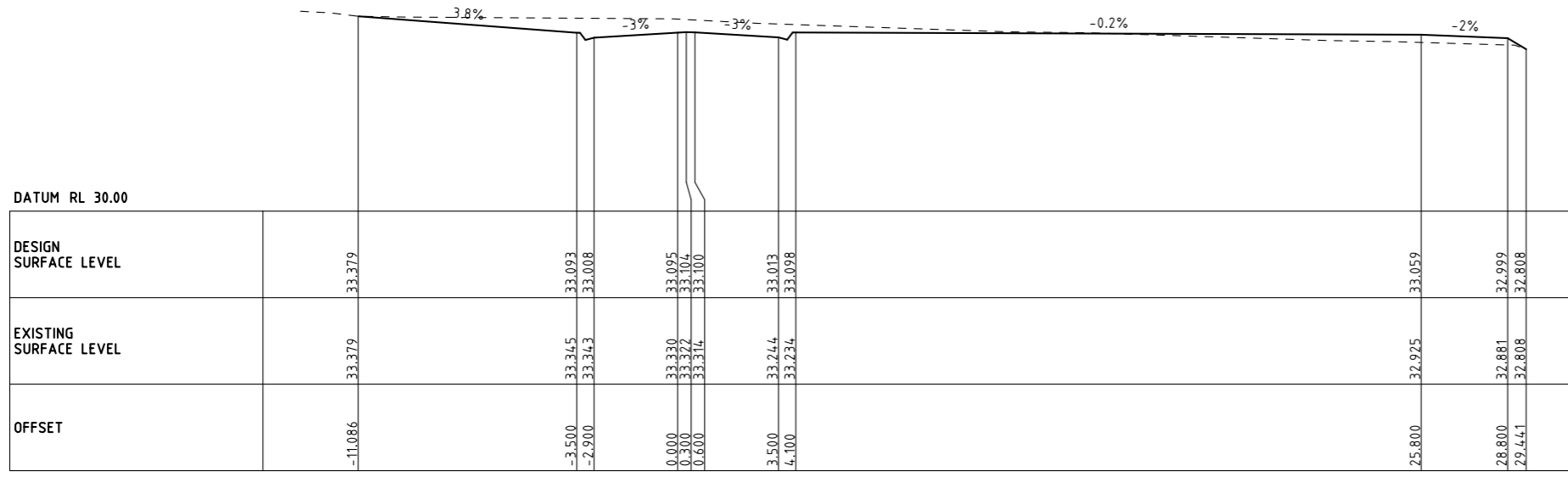
Client **CARDINIA SHIRE COUNCIL**
 Project **CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION**
 Title **CROSS SECTION SHEET 15**

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Sheet		Size	A3
Drawing Number	V191441-CI-DG-4215	Revision	4

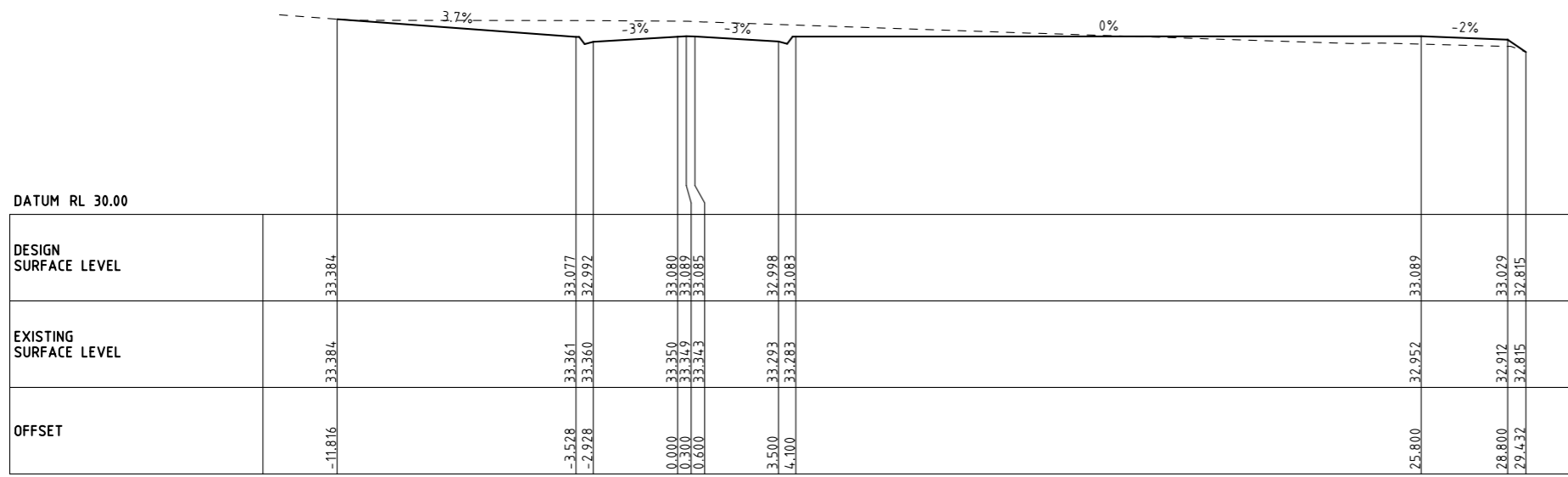
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DATE PLOTTED: 22/10/2021 4:05:09 PM

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CH 30100



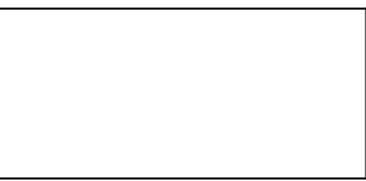
CH 30096.98

Rev	Date	Description	Drawn	Appr.
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

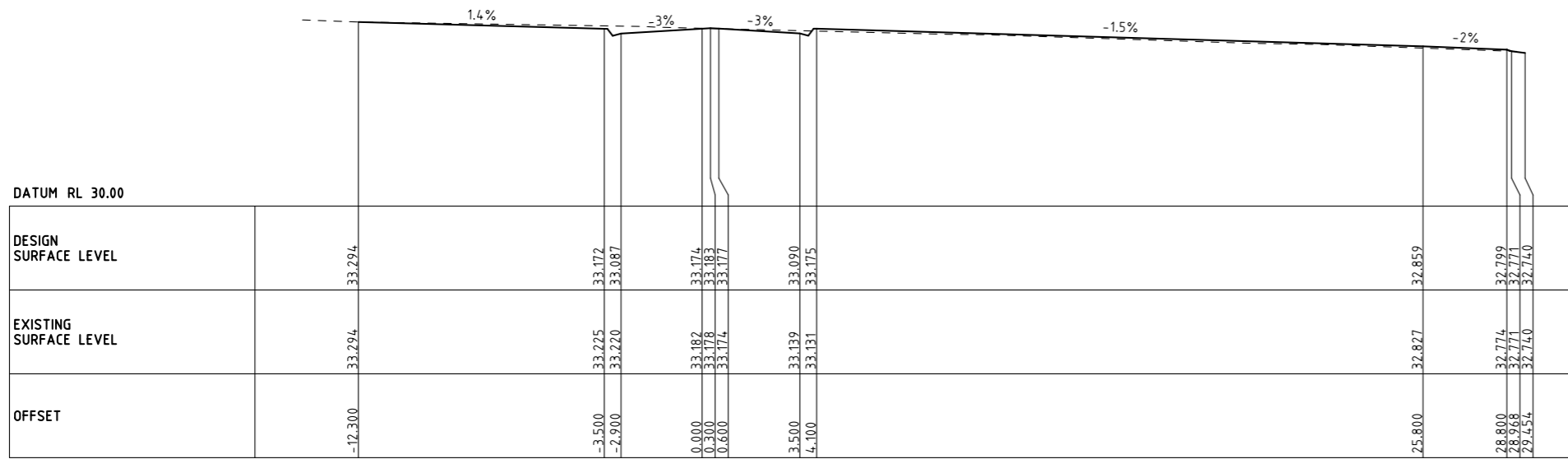
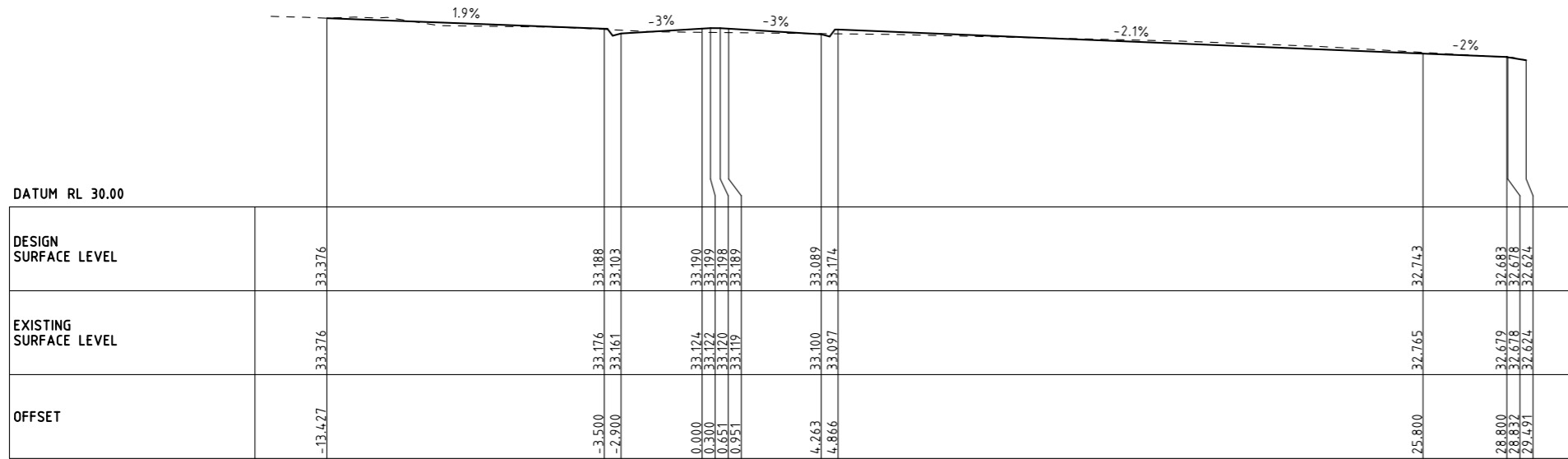
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 16

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-CI-DG-4216	Size	A3
Revision			4

BY: \$USERS

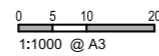
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Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
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2	11.08.21	ISSUE FOR TENDER	SB	PC
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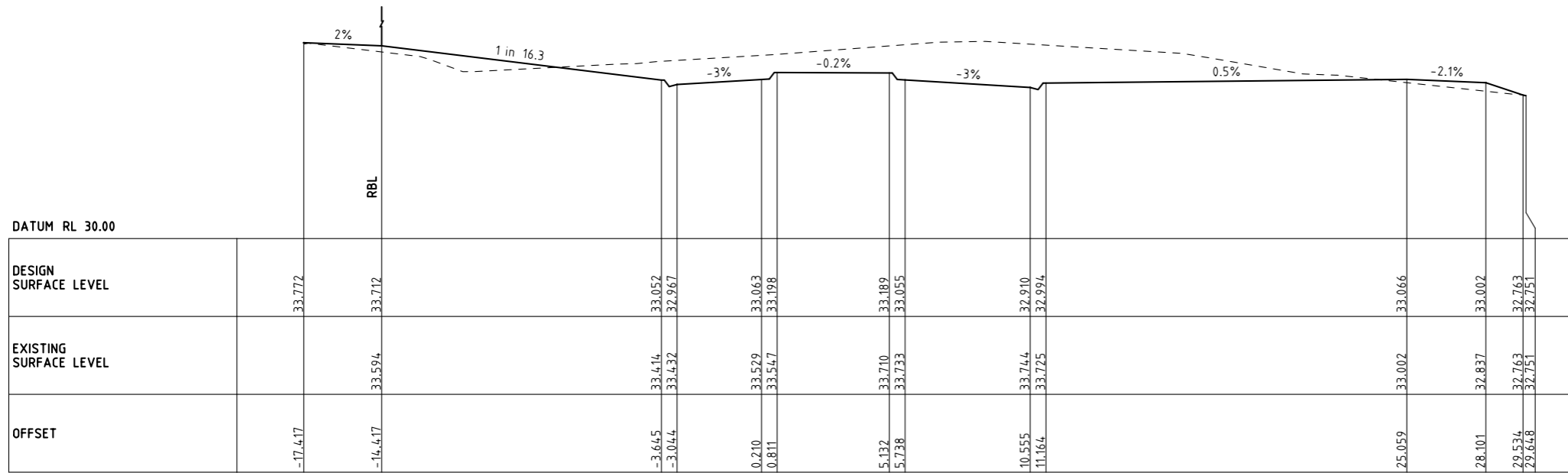


Drawn	S.BECKHAM	Client	CARDINIA SHIRE COUNCIL		
Designed	S.BECKHAM	Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION		
Checked	P.CHATTERLEY	Title	CROSS SECTION SHEET 17		
Authorised	P.CHATTERLEY	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES		
		Date	10.06.2020	Scale	1:1000
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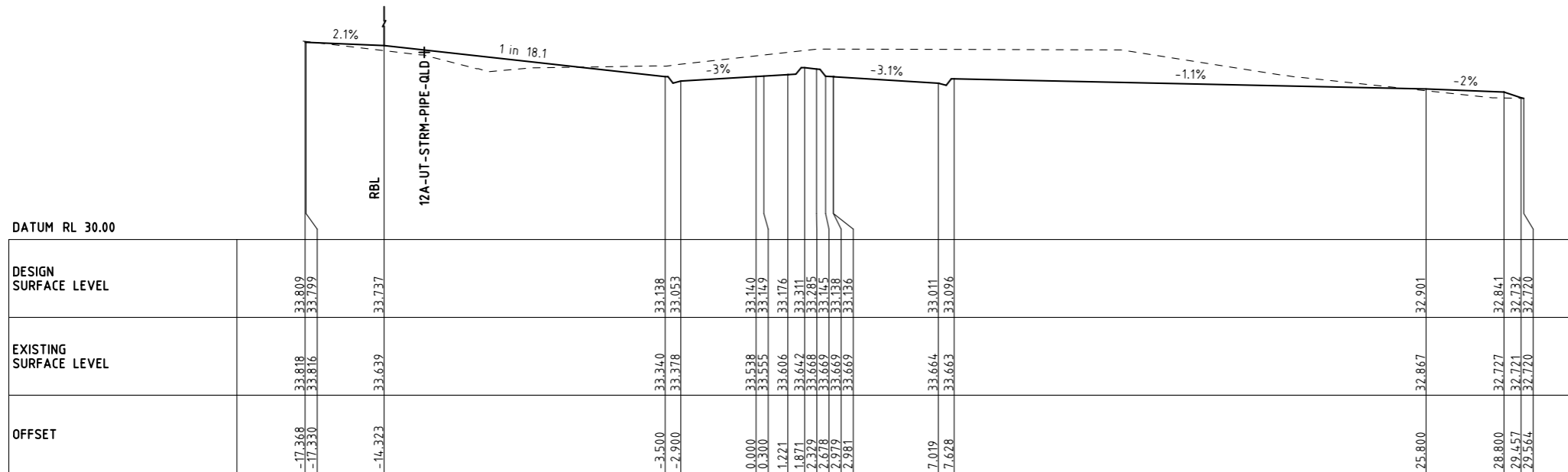
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DATE PLOTTED: 22/10/2021 4:05:14 PM

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CH 30180



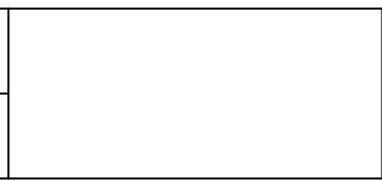
CH 30160

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
1	11.02.21	PRELIMINARY ISSUE	SB	PC

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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

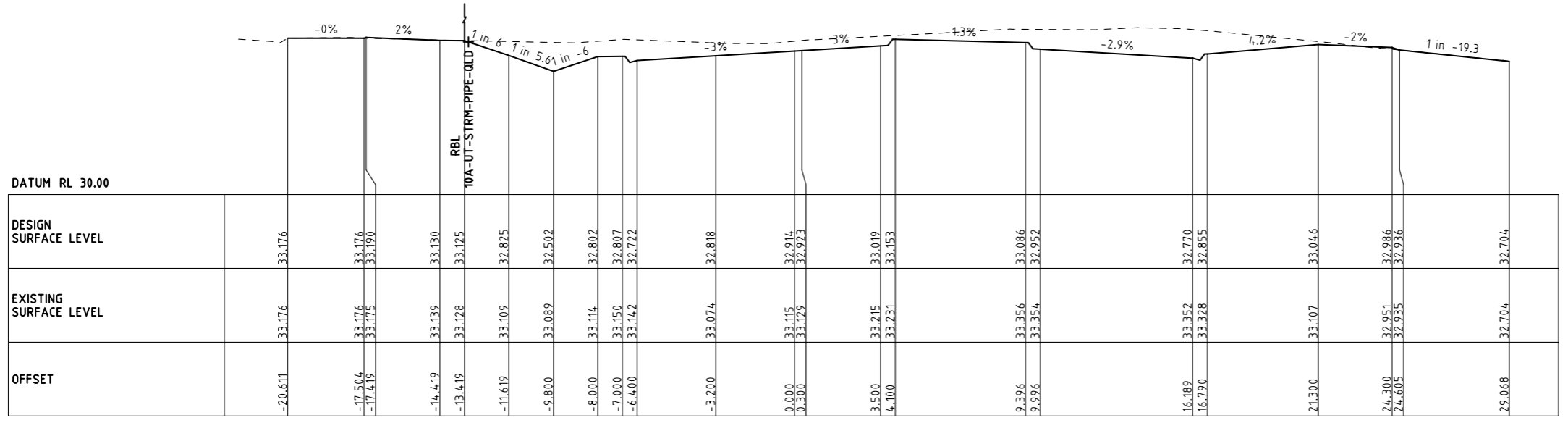
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 18

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-CI-DG-4218	Revision	4

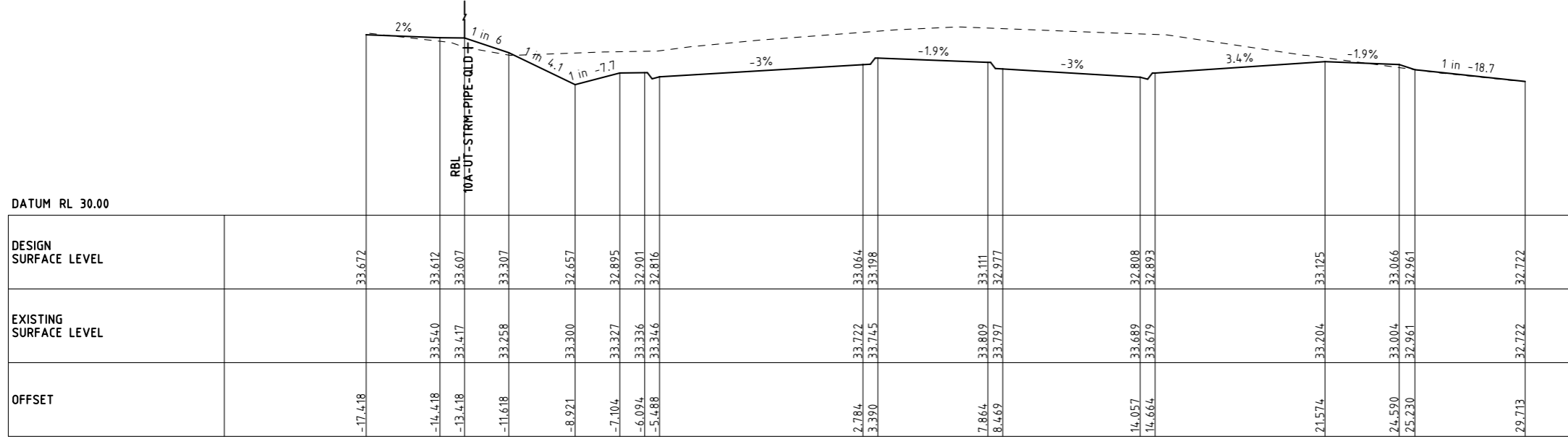
BY: \$USERS\$

DATE PLOTTED: 22/10/2021 4:05:17 PM

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CH 30220



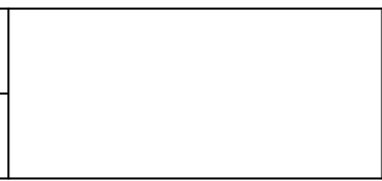
CH 30200

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

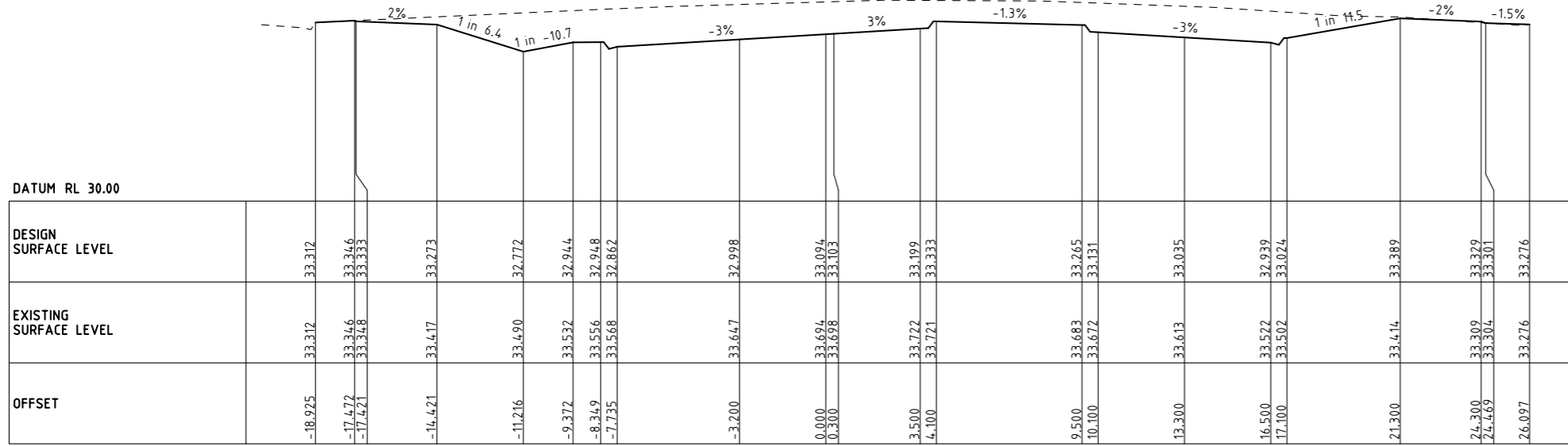
Client **CARDINIA SHIRE COUNCIL**
 Project **CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION**
 Title **CROSS SECTION SHEET 19**

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Sheet		Size	A3
Drawing Number	V191441-CI-DG-4219	Revision	4

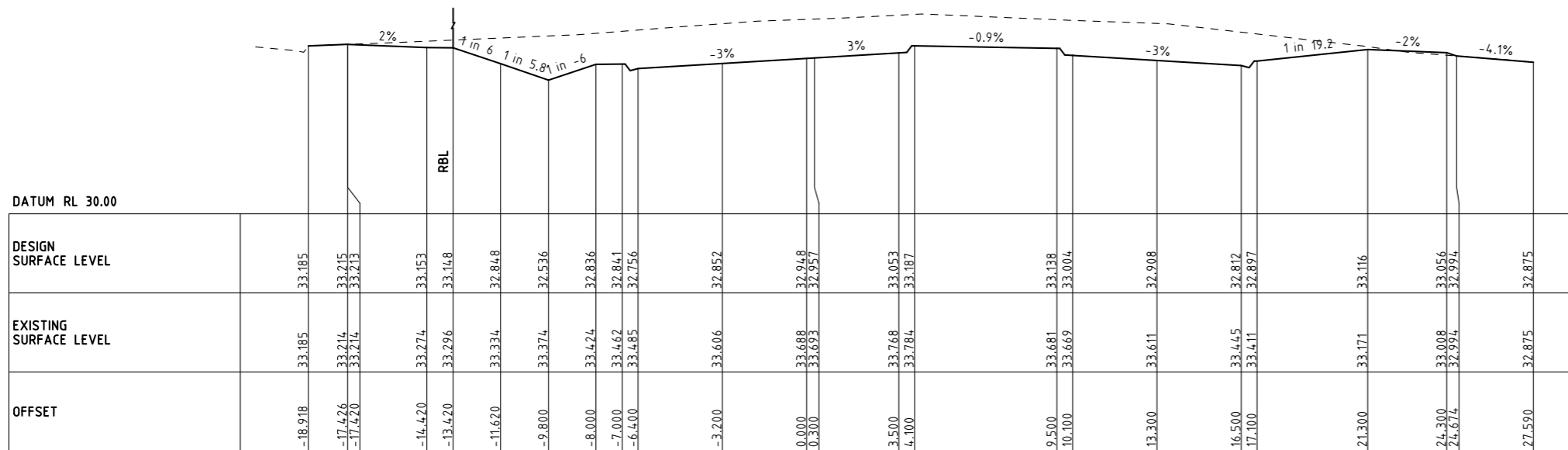
BY: \$USERS

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CH 30260



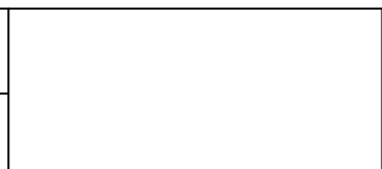
CH 30240

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
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Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

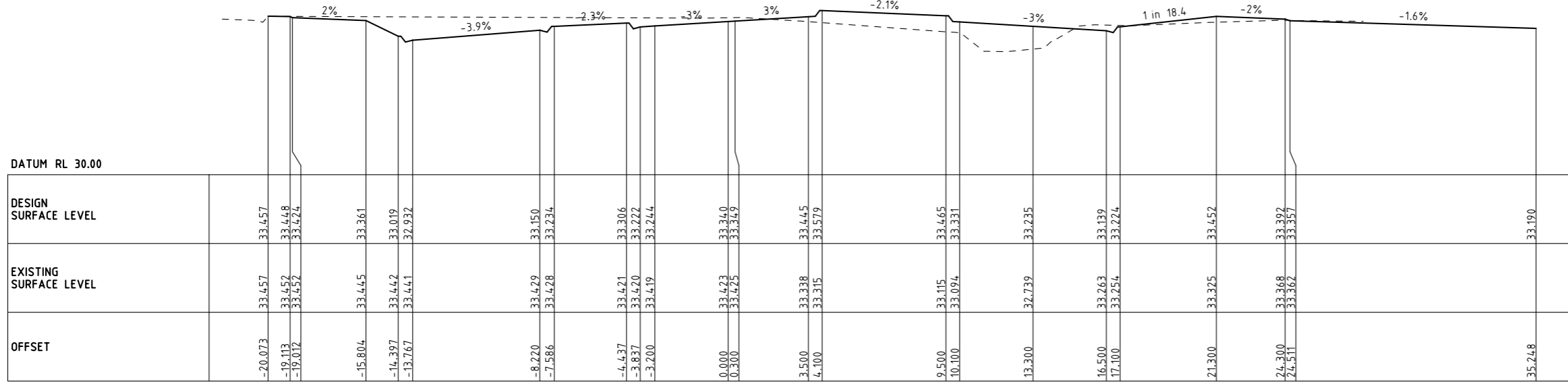
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 20

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-CI-DG-4220	Size	A3
Revision			4

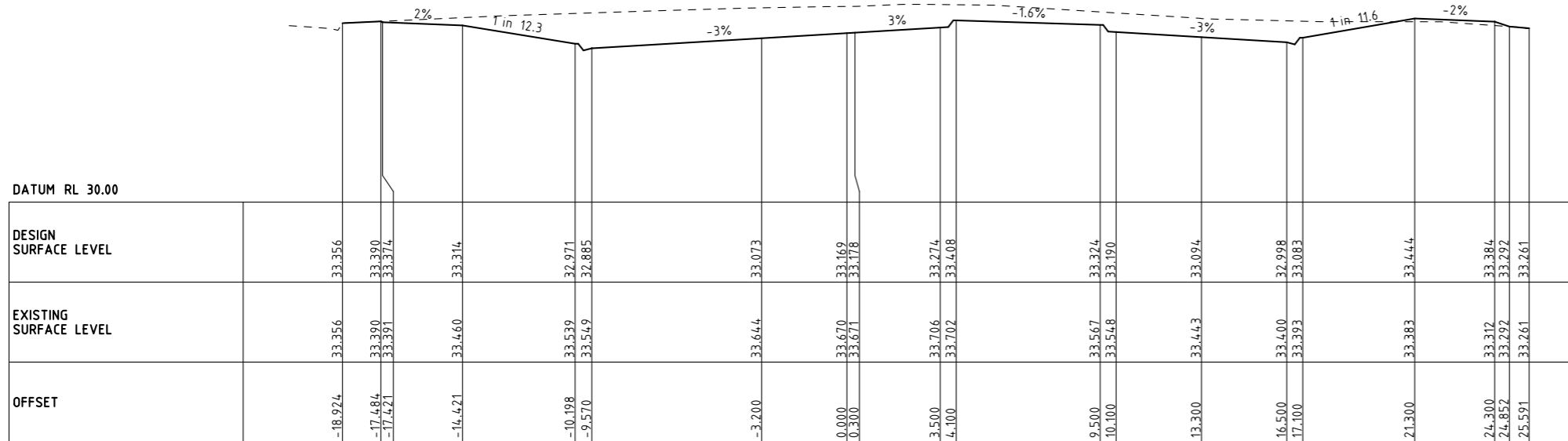
BY: \$USERS\$

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CH 30280



CH 30266.76

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
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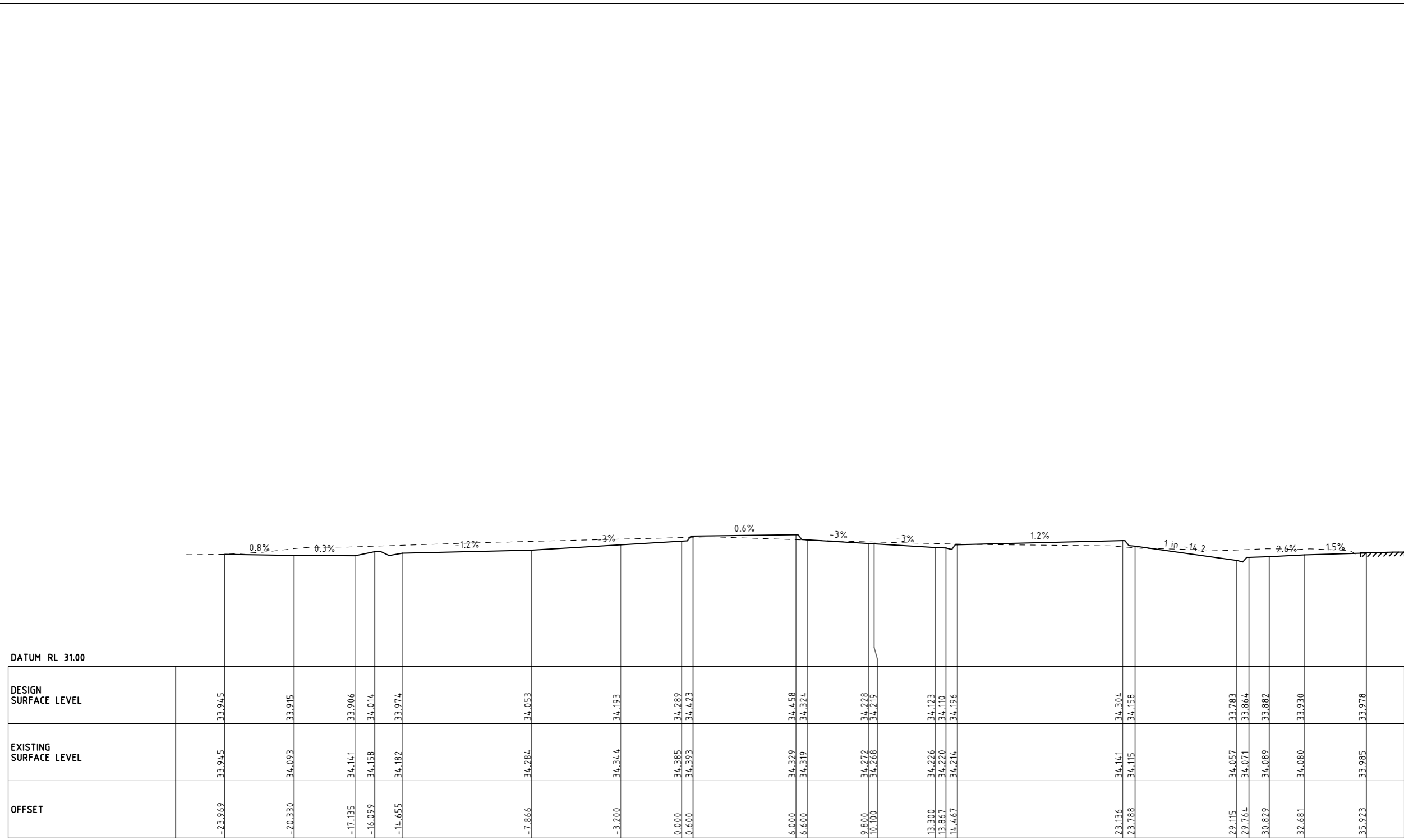
ABN: 47 106 610 913
 501 Swanston Street, Melbourne, VIC Australia 3000
 Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
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Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	
Checked P.CHATTERLEY	Title CROSS SECTION SHEET 21	Date 10.06.2020
Authorised P.CHATTERLEY	Drawing Number V191441-CI-DG-4221	Scale 1:1000
		Size A3
		Revision 4

BY: \$USERS

DATE PLOTTED: 22/10/2021 4:05:25 PM

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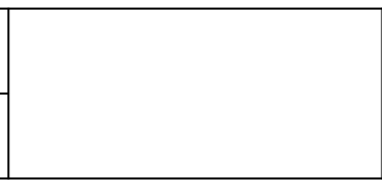
CH 30360

Rev	Date	Description	Drawn	Appr.
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3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

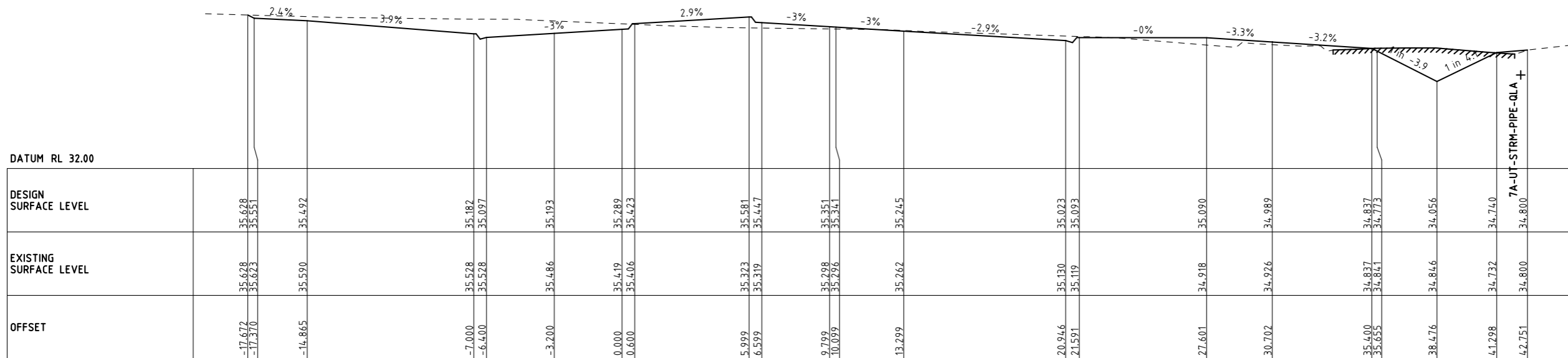
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 22

Status	FOR APPROVAL		
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
Date	10.06.2020	Scale	1:1000
Drawing Number	V191441-CI-DG-4222	Sheet	A3
Revision		4	

BY: \$USERS

DATE PLOTTED: 22/10/2021 4:05:27 PM

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CH 30380

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
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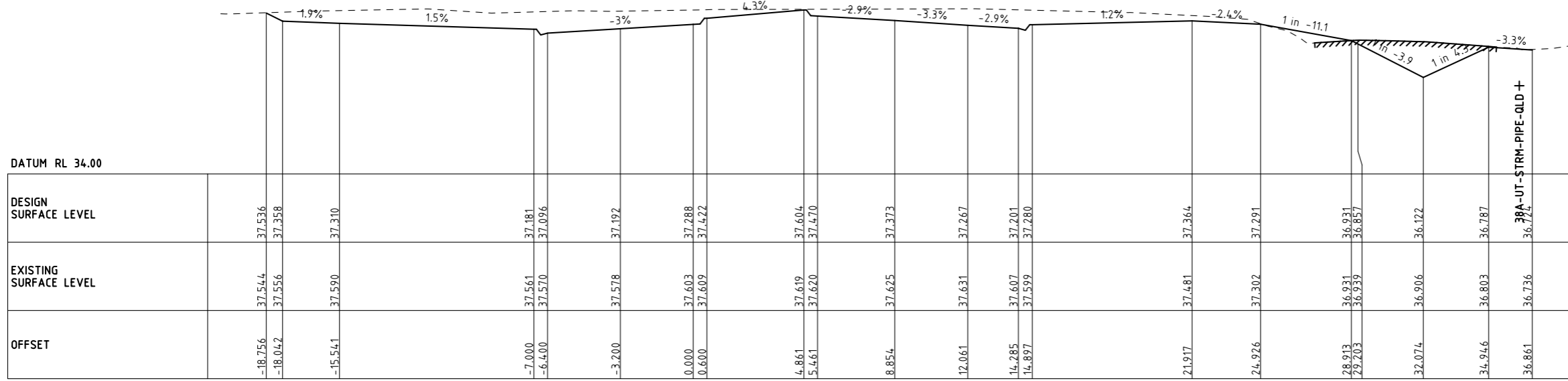
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 501 Swanston Street, Melbourne, VIC Australia 3000
 Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
 Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Checked P.CHATTERLEY	Title CROSS SECTION SHEET 23
Authorised P.CHATTERLEY	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
	Date 10.06.2020
	Scale 1:1000
	Size A3
	Drawing Number V191441-CI-DG-4223
	Revision 4

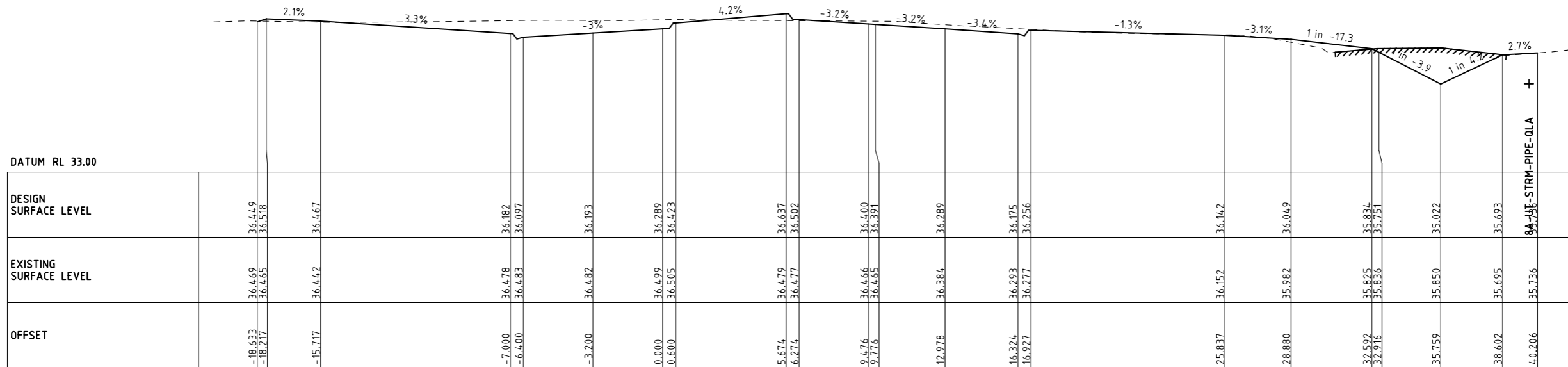
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CH 30420



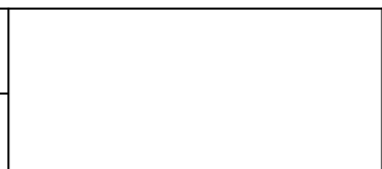
CH 30400

Rev	Date	Description	Drawn	Appr.
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

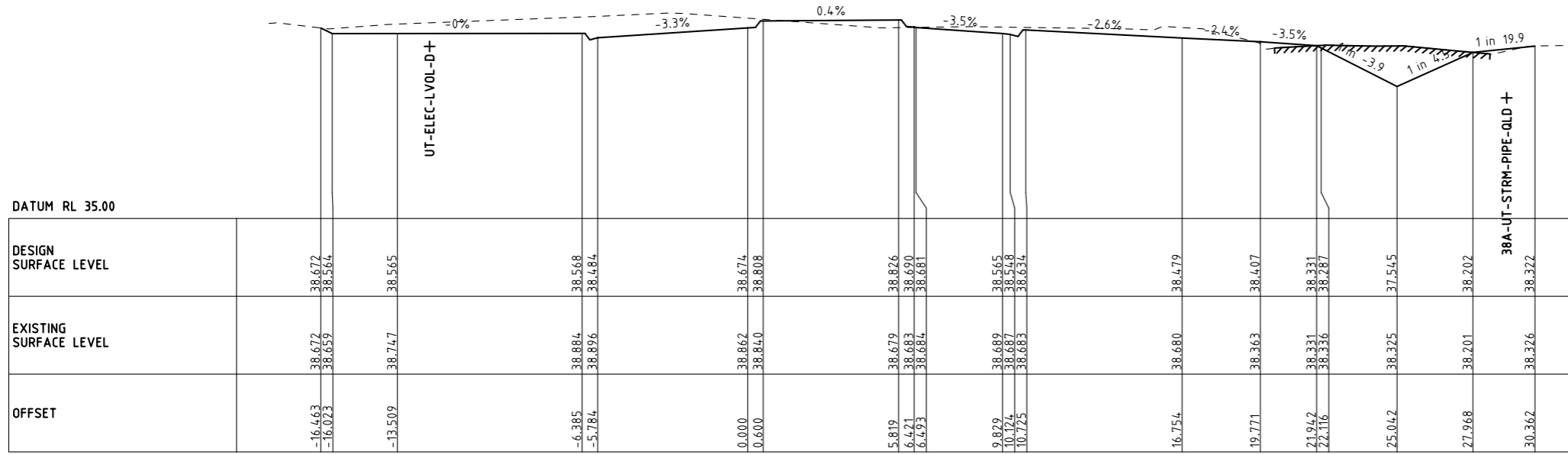
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 24

Status	FOR APPROVAL		
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Date	10.06.2020	Scale	1:1000
Size	A3		
Drawing Number	V191441-CI-DG-4224		
Revision	4		

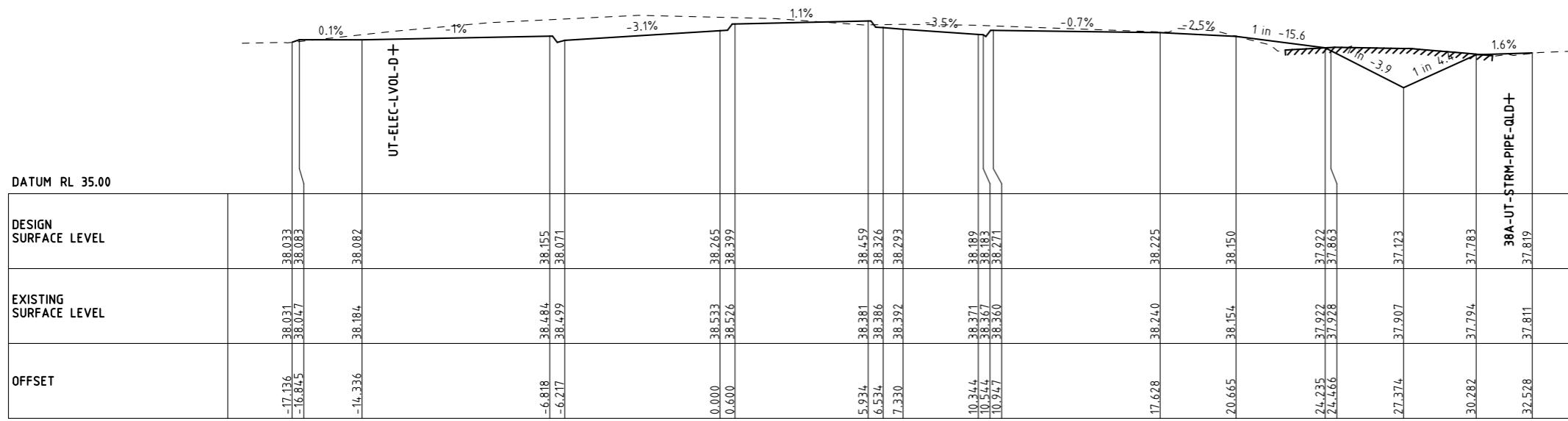
BY: \$USERS

DATE PLOTTED: 22/10/2021 4:05:33 PM

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CH 30448.54



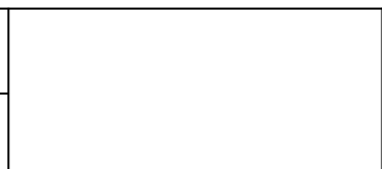
CH 30440

Rev	Date	Description	Drawn	Appr.
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

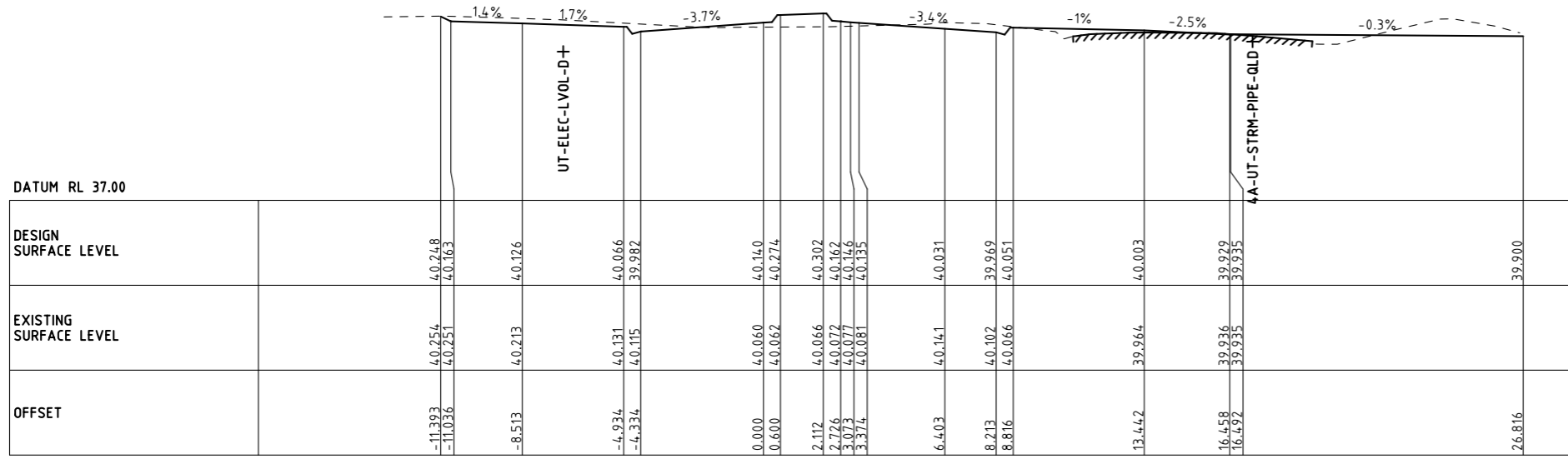
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 25

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Sheet	Drawing Number		Revision
A3	V191441-CI-DG-4225		4

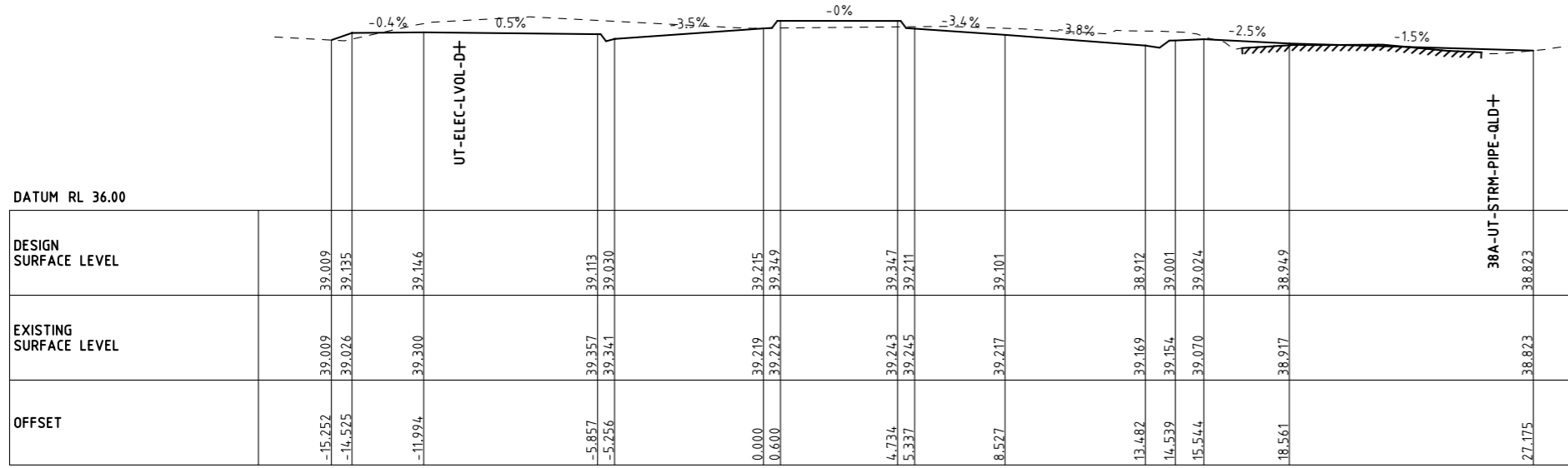
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CH 30480



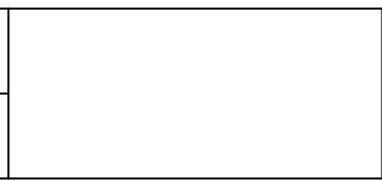
CH 30460

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

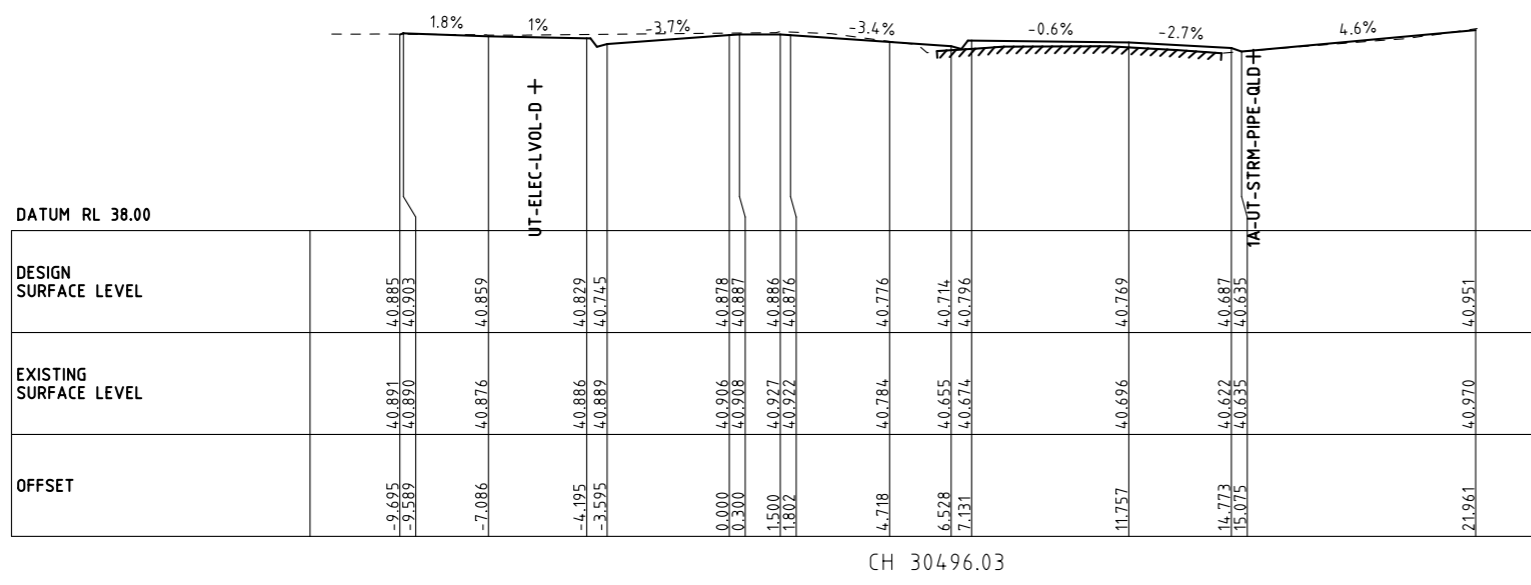
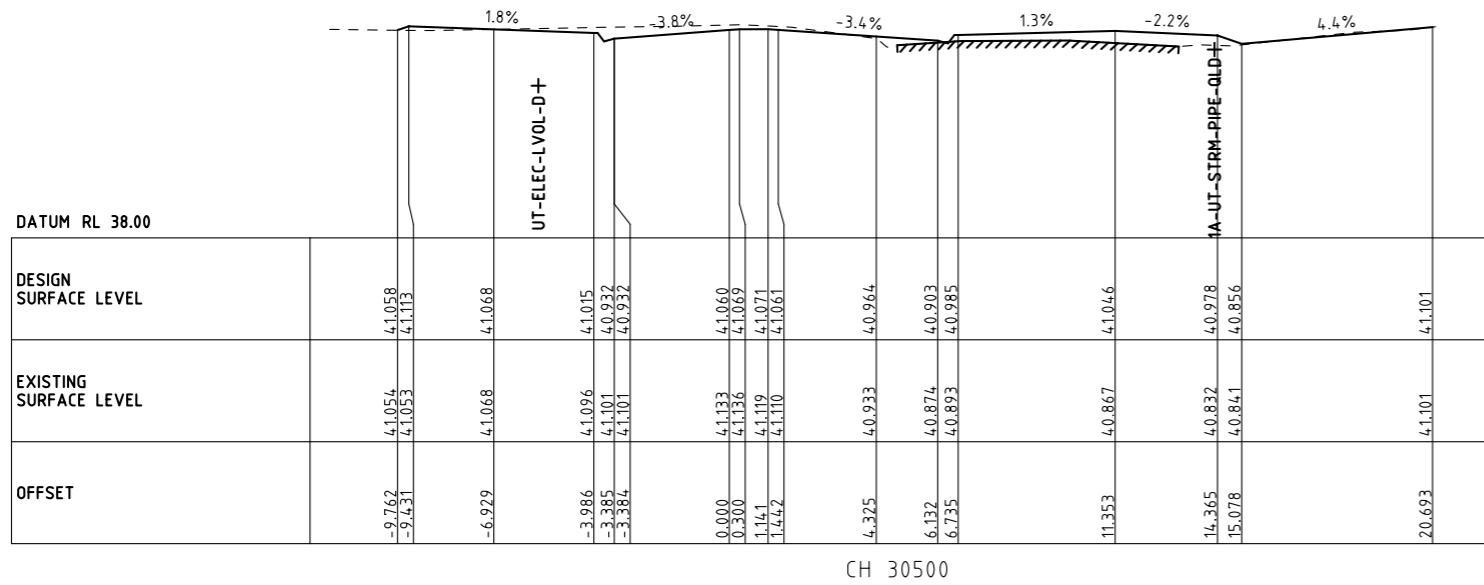
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	CROSS SECTION SHEET 26

Status	FOR APPROVAL			
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Date	10.06.2020	Scale	1:1000	
Sheet	10		Size	A3
Drawing Number	V191441-CI-DG-4226		Revision	4

BY: \$USERS

DATE PLOTTED: 22/10/2021 4:05:38 PM

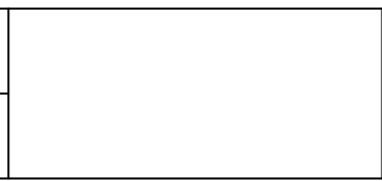
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Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
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Drawn S.BECKHAM
 Designed S.BECKHAM
 Checked P.CHATTERLEY
 Authorised P.CHATTERLEY

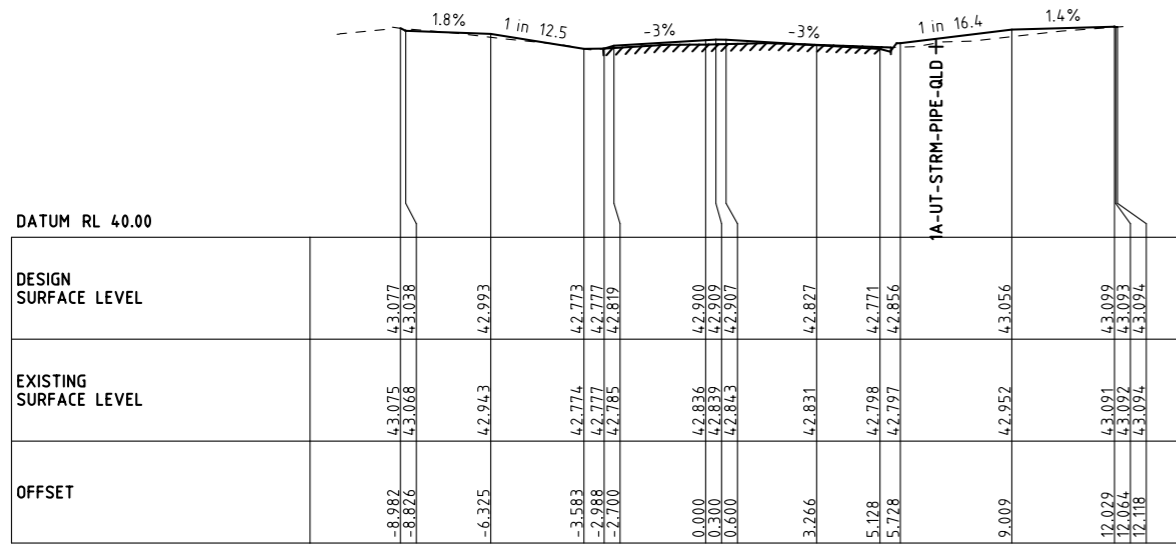
Client CARDINIA SHIRE COUNCIL
 Project CSC
 PART B - BAYVIEW ROAD
 BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
 Title CROSS SECTION
 SHEET 27

Status **FOR APPROVAL**
 NOT TO BE USED FOR CONSTRUCTION PURPOSES
 Date 10.06.2020 Scale 1:1000 Size A3
 Drawing Number V191441-CI-DG-4227 Revision 4

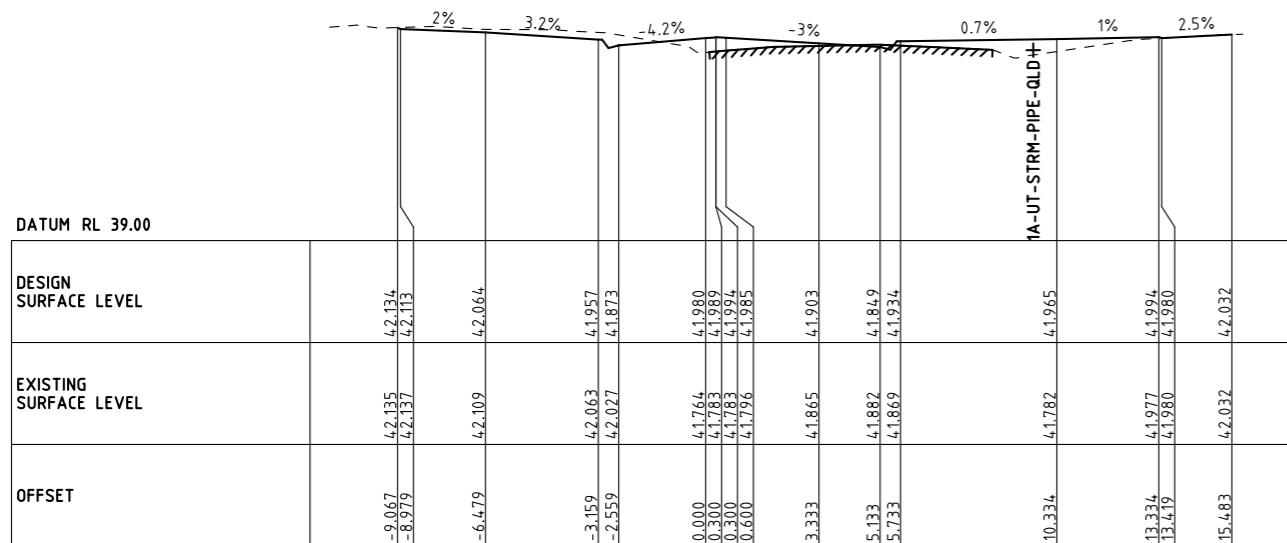
BY: \$USERS

DATE PLOTTED: 22/10/2021 4:05:41 PM

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CH 30540



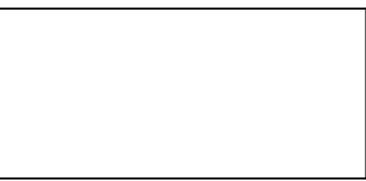
CH 30520

Rev	Date	Description	Drawn	Appr.
4	22.10.21	ISSUE FOR TENDER	SB	PC
3	25.08.21	DETAIL DESIGN ISSUE	SB	PC
2	11.08.21	ISSUE FOR TENDER	SB	PC
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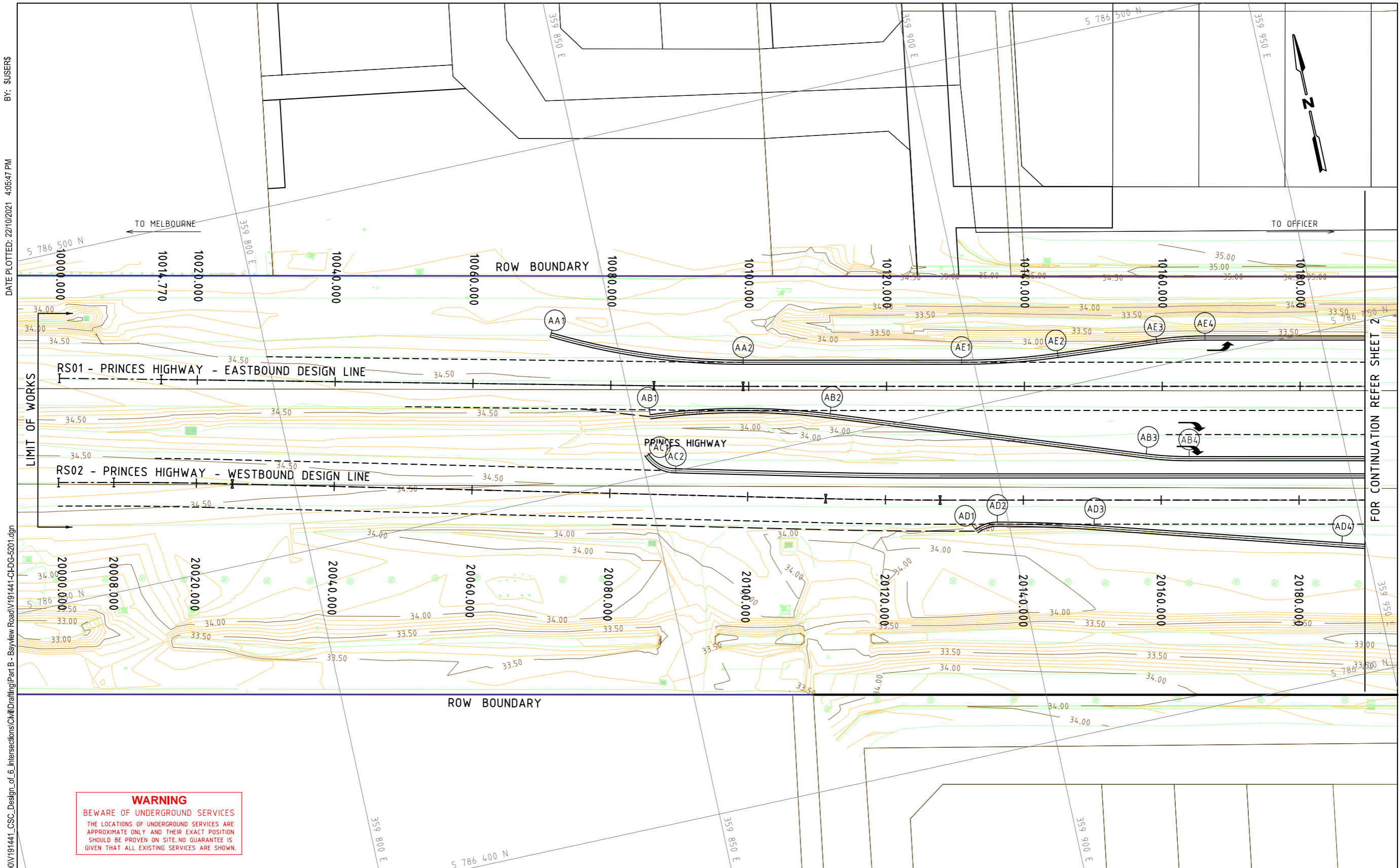
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Drawn	S.BECKHAM	Client	CARDINIA SHIRE COUNCIL
Designed	S.BECKHAM	Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Checked	P.CHATTERLEY	Title	CROSS SECTION SHEET 28
Authorised	P.CHATTERLEY	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES

Date	10.06.2020	Scale	1:1000	Size	A3
Drawing Number	V191441-Cl-DG-4228	Revision	4		



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FOR CONTINUATION REFER SHEET 2

Rev	Date	Description	Drawn	Appr.
3	22.10.21	ISSUE FOR TENDER	SB	PC
2	25.08.21	DETAIL DESIGN ISSUE	SB	PC
1	11.08.21	ISSUE FOR TENDER	SB	PC

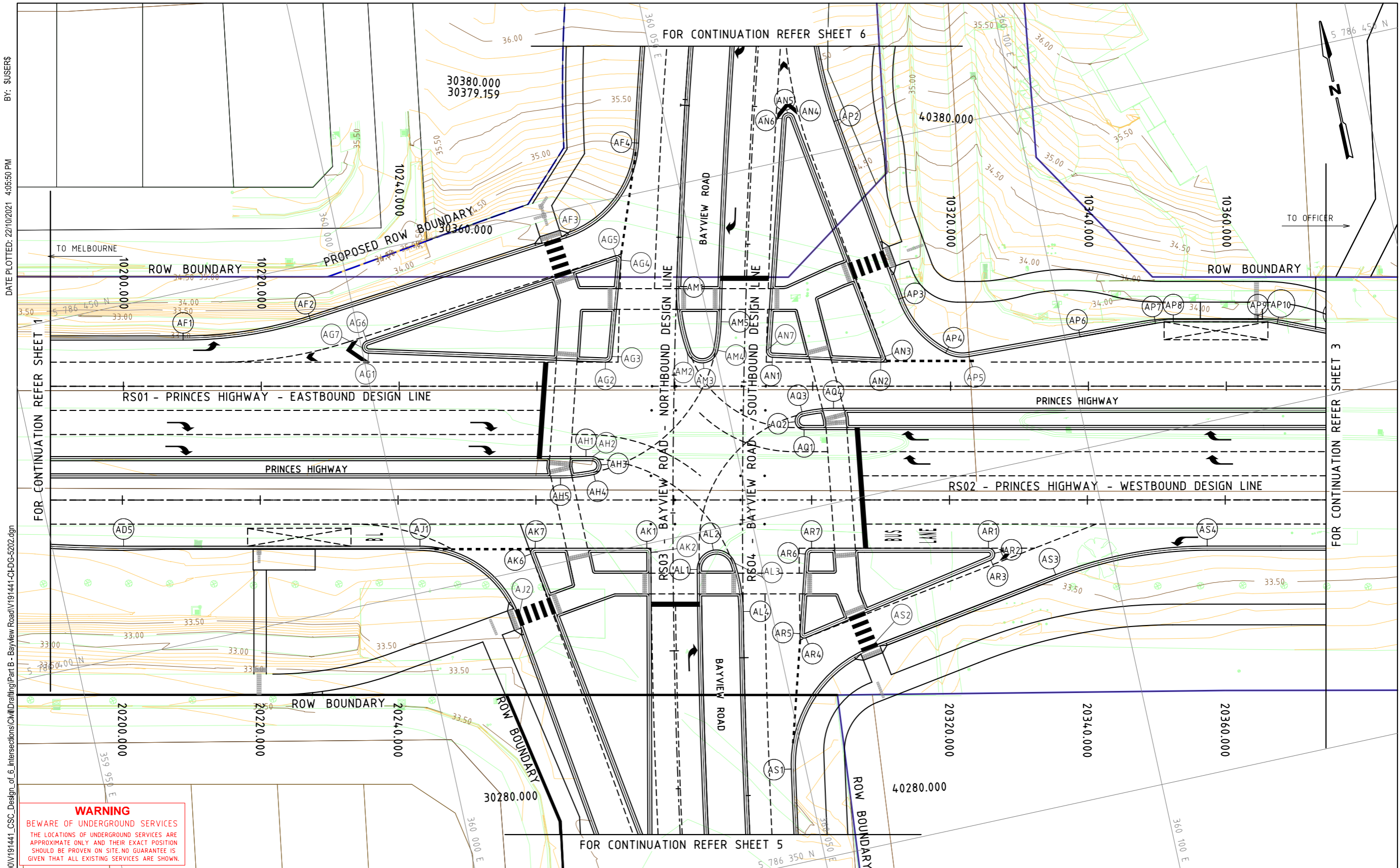
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0 2.5 5 10
 1:500 @ A3

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Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Checked P.CHATTERLEY	Title SETOUT PLAN SHEET 1	Date 10.06.2020
Authorised P.CHATTERLEY		Scale 1:500
		Size A3
		Revision 3
		Drawing Number V191441-CI-DG-5201

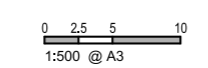


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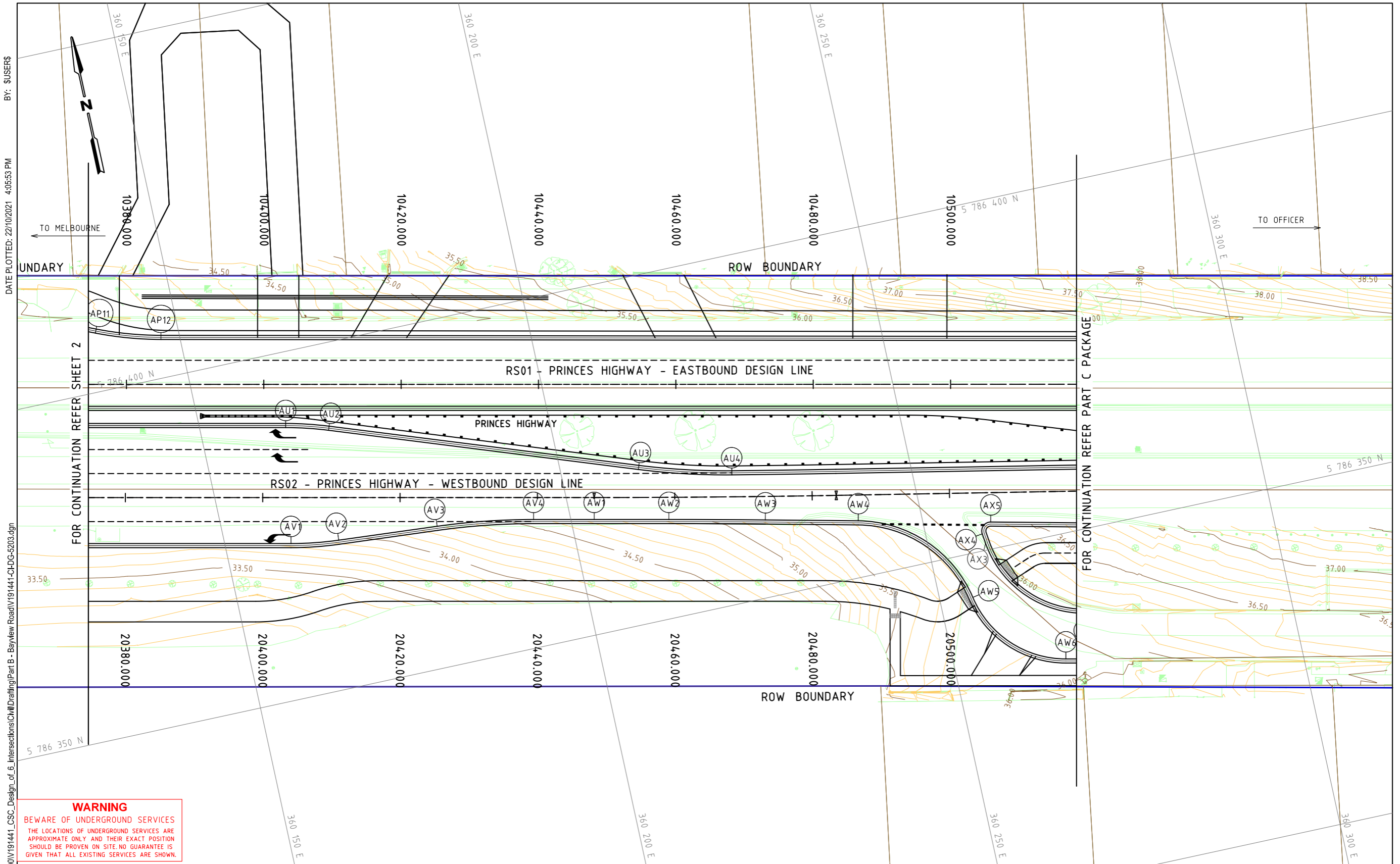
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Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

Client **CARDINIA SHIRE COUNCIL**
 Project **CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION**
 Title **SETOUT PLAN SHEET 2**

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Date	10.06.2020	Scale	1:500
Drawing Number	V191441-CI-DG-5202	Revision	3



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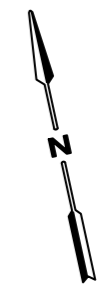
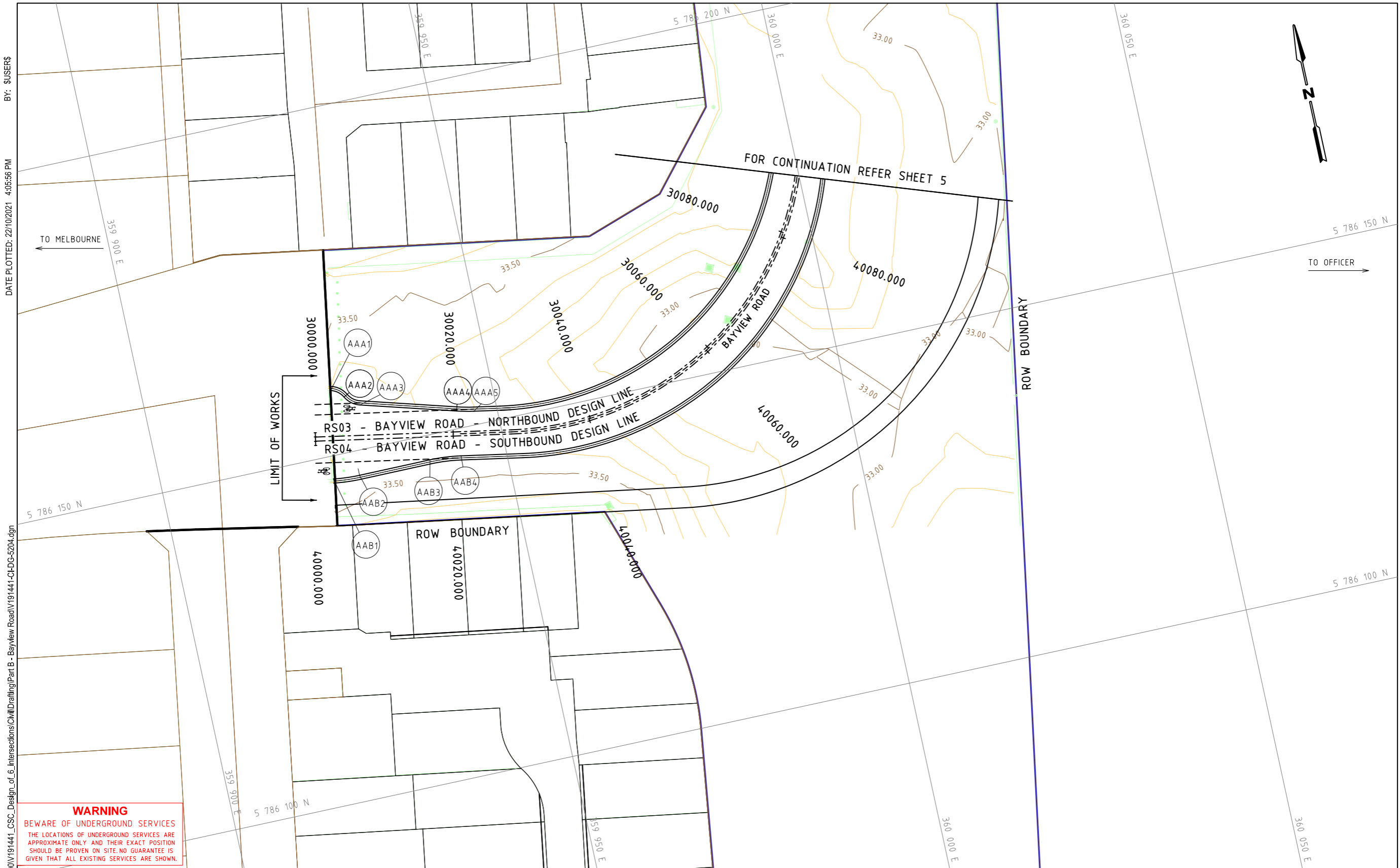
Rev	Date	Description	Drawn	Appr.
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0 2.5 5 10
1:500 @ A3
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Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Checked P.CHATTERLEY	Title SETOUT PLAN SHEET 3	Date 10.06.2020
Authorised P.CHATTERLEY	Drawing Number V191441-CI-DG-5203	Scale 1:500
		Size A3
		Revision 3



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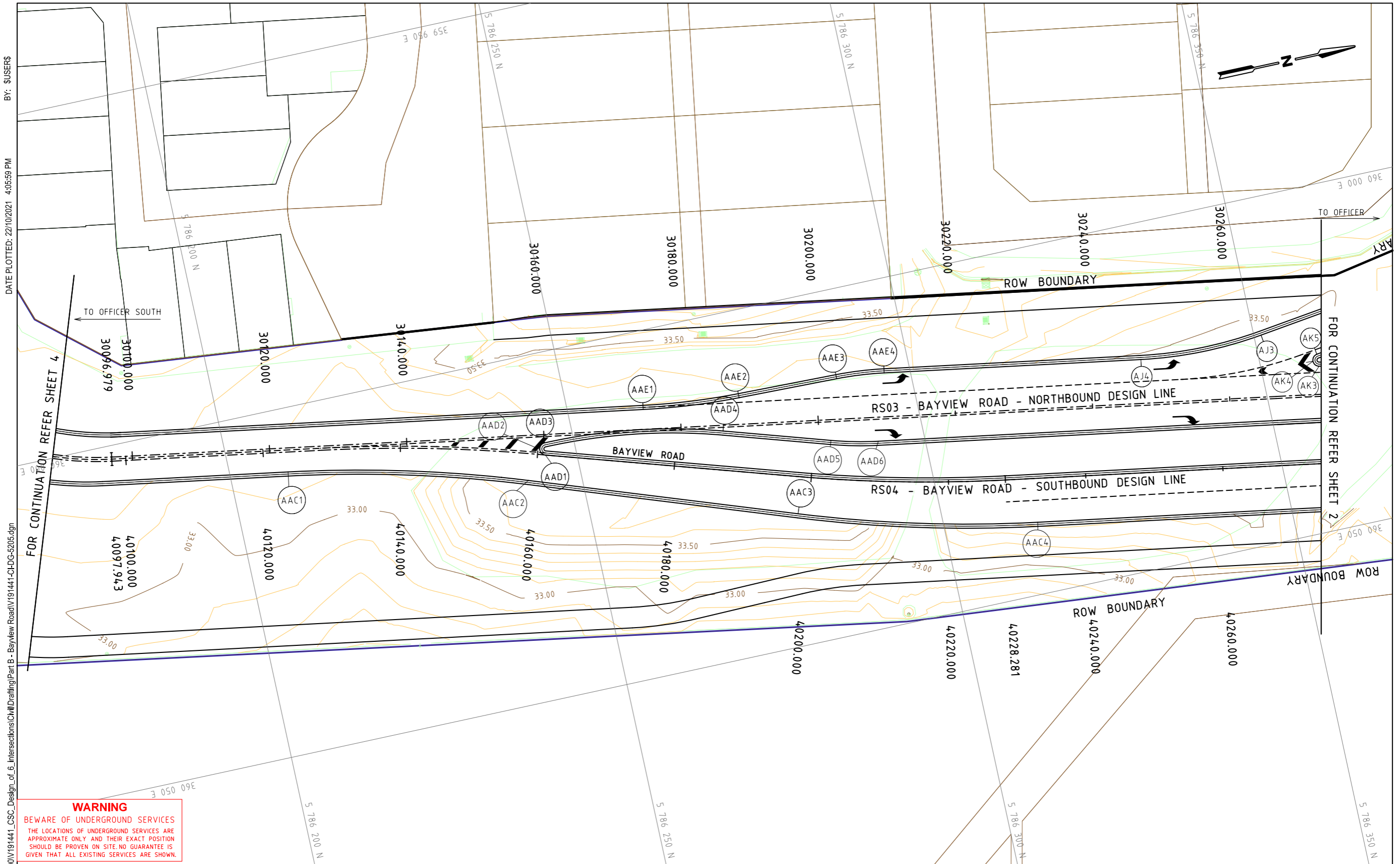
Rev	Date	Description	Drawn	Appr.
3	22.10.21	ISSUE FOR TENDER	SB	PC
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1:500 @ A3
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Drawn	S.BECKHAM	Client	CARDINIA SHIRE COUNCIL		
Designed	S.BECKHAM	Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION		
Checked	P.CHATTERLEY	Title	SETOUT PLAN SHEET 4		
Authorised	P.CHATTERLEY	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES		
		Date	10.06.2020	Scale	1:500
		Drawing Number	V191441-CI-DG-5204	Size	A3
		Revision			3



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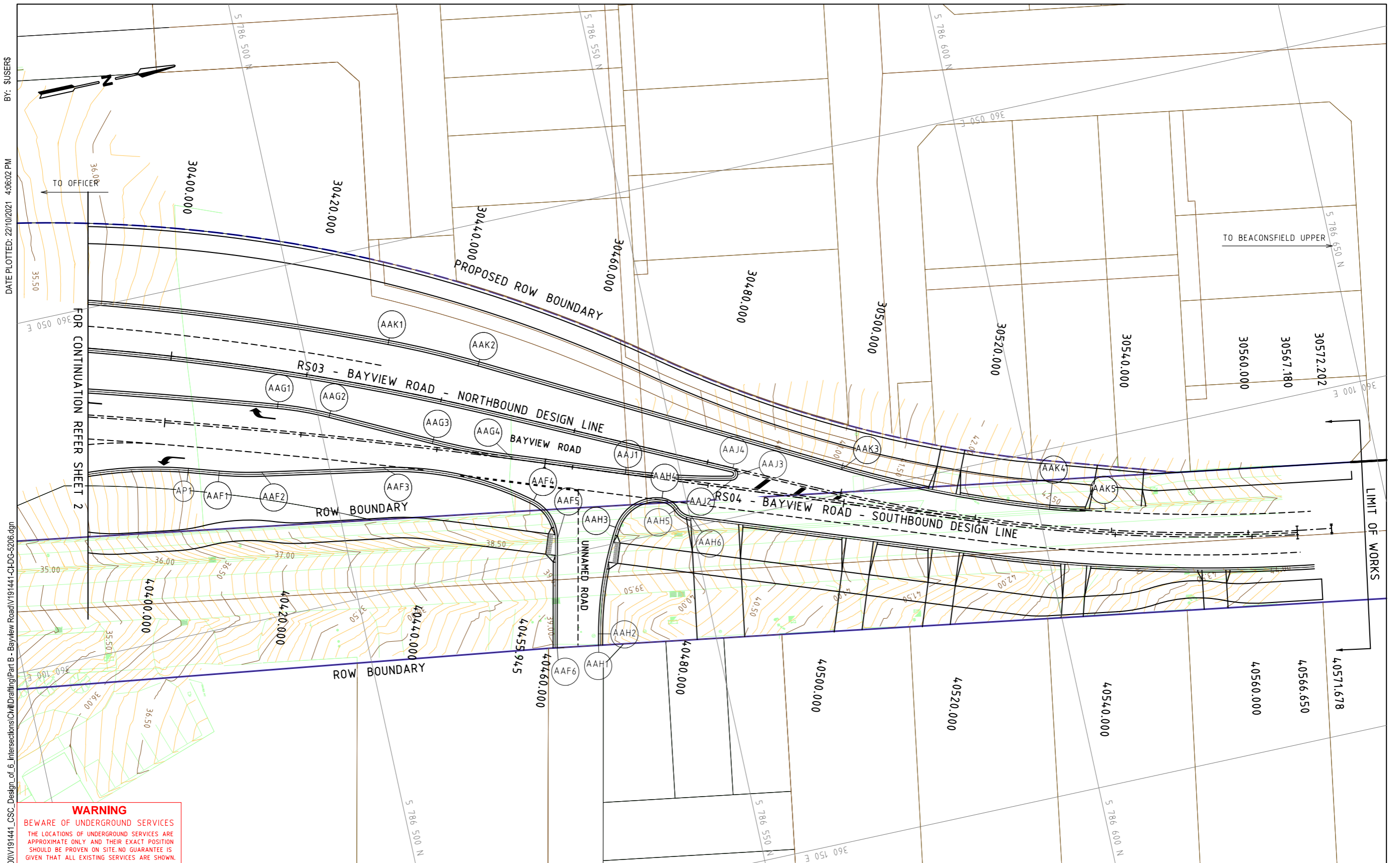
Rev	Date	Description	Drawn	Appr.
3	22.10.21	ISSUE FOR TENDER	SB	PC
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0 2.5 5 10
 1:500 @ A3
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Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Checked P.CHATTERLEY	Title SETOUT PLAN SHEET 5	Date 10.06.2020
Authorised P.CHATTERLEY	Drawing Number V191441-CI-DG-5205	Scale 1:500
		Size A3
		Revision 3



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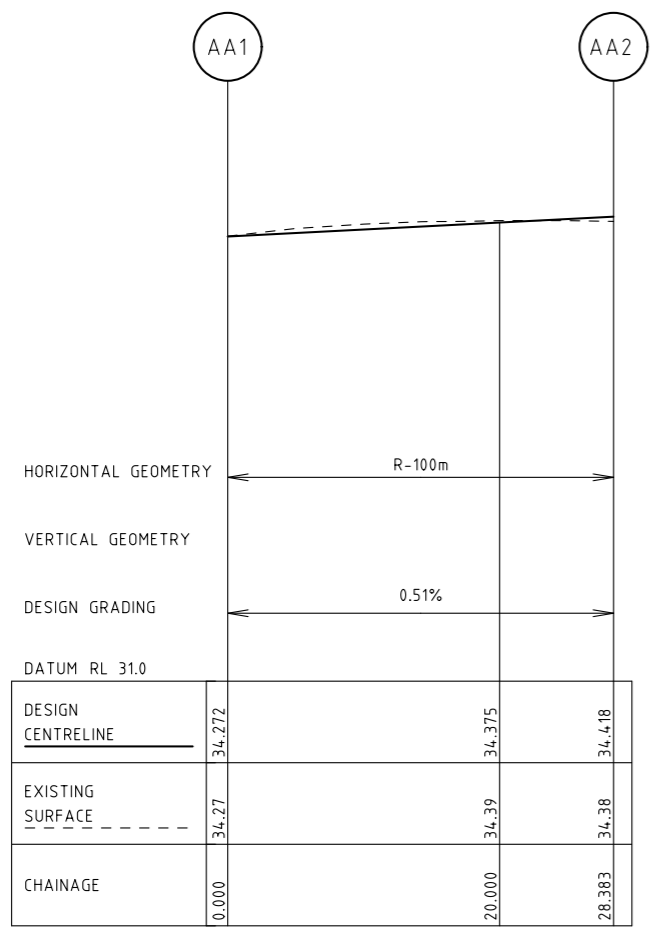


Drawn	S.BECKHAM	Client	CARDINIA SHIRE COUNCIL
Designed	S.BECKHAM	Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Checked	P.CHATTERLEY	Title	SETOUT PLAN SHEET 6
Authorised	P.CHATTERLEY	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
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		Revision	3

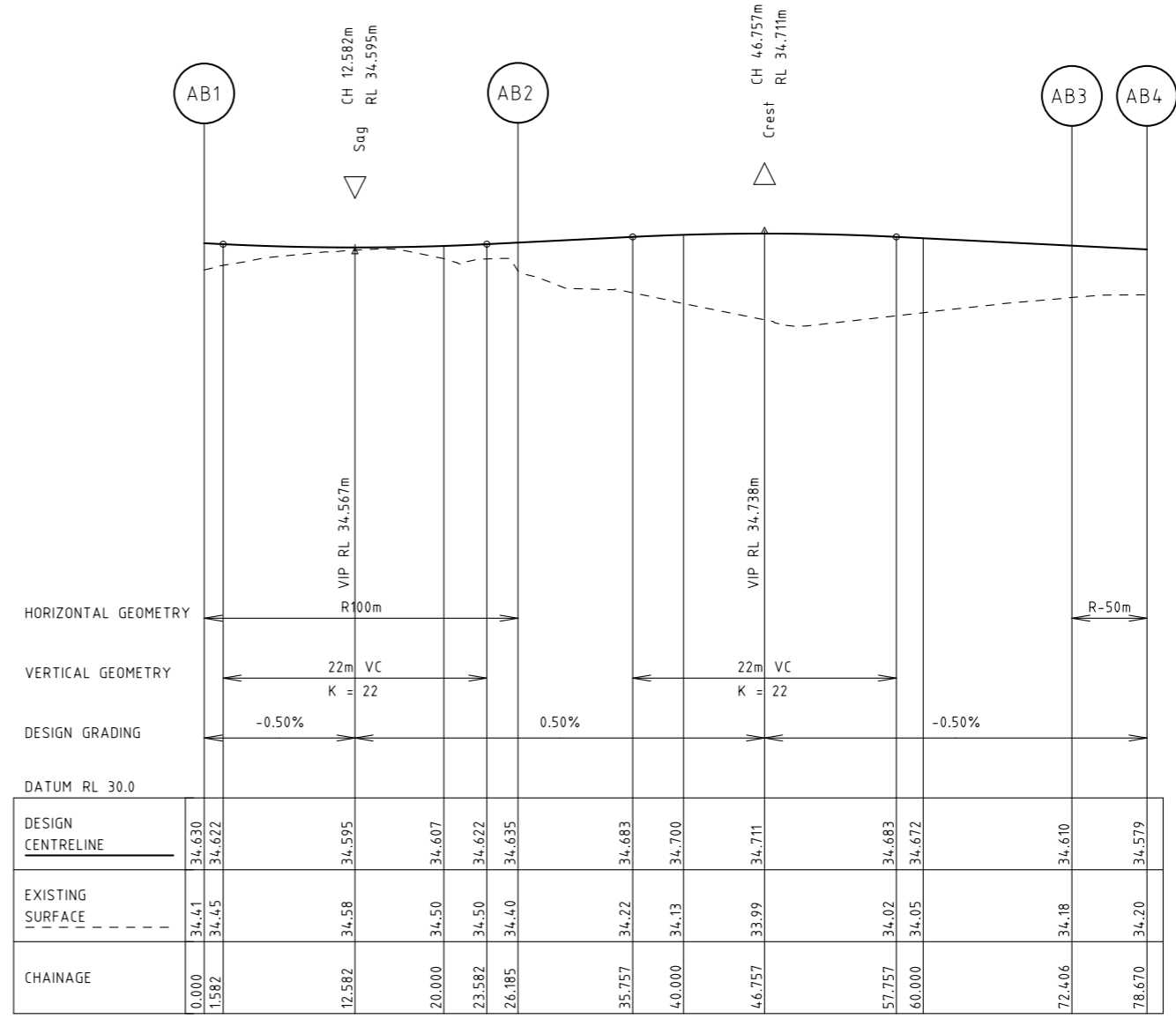
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AA - PRINCES HWY - BAYVIEW RD - SETOUT PROFILE
Scale H: 1:500
V: 1:50



AB - PRINCES HWY - BAYVIEW RD - SETOUT PROFILE
Scale H: 1:500
V: 1:50

Rev	Date	Description	Drawn	Appr.
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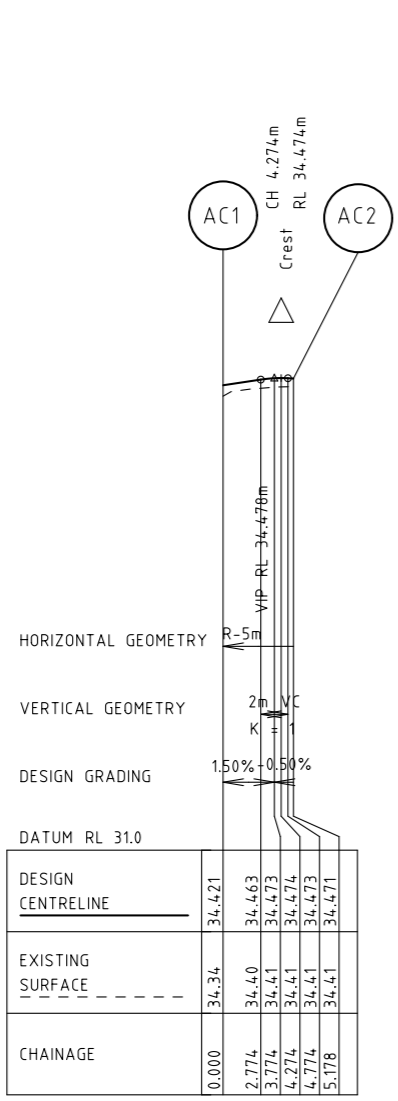


Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Checked P.CHATTERLEY	Title LIP PROFILE SHEET 1	Date 10.06.2020
Authorised P.CHATTERLEY	Scale 1:1000	Size A3
	Drawing Number V191441-CI-DG-5251	Revision 3

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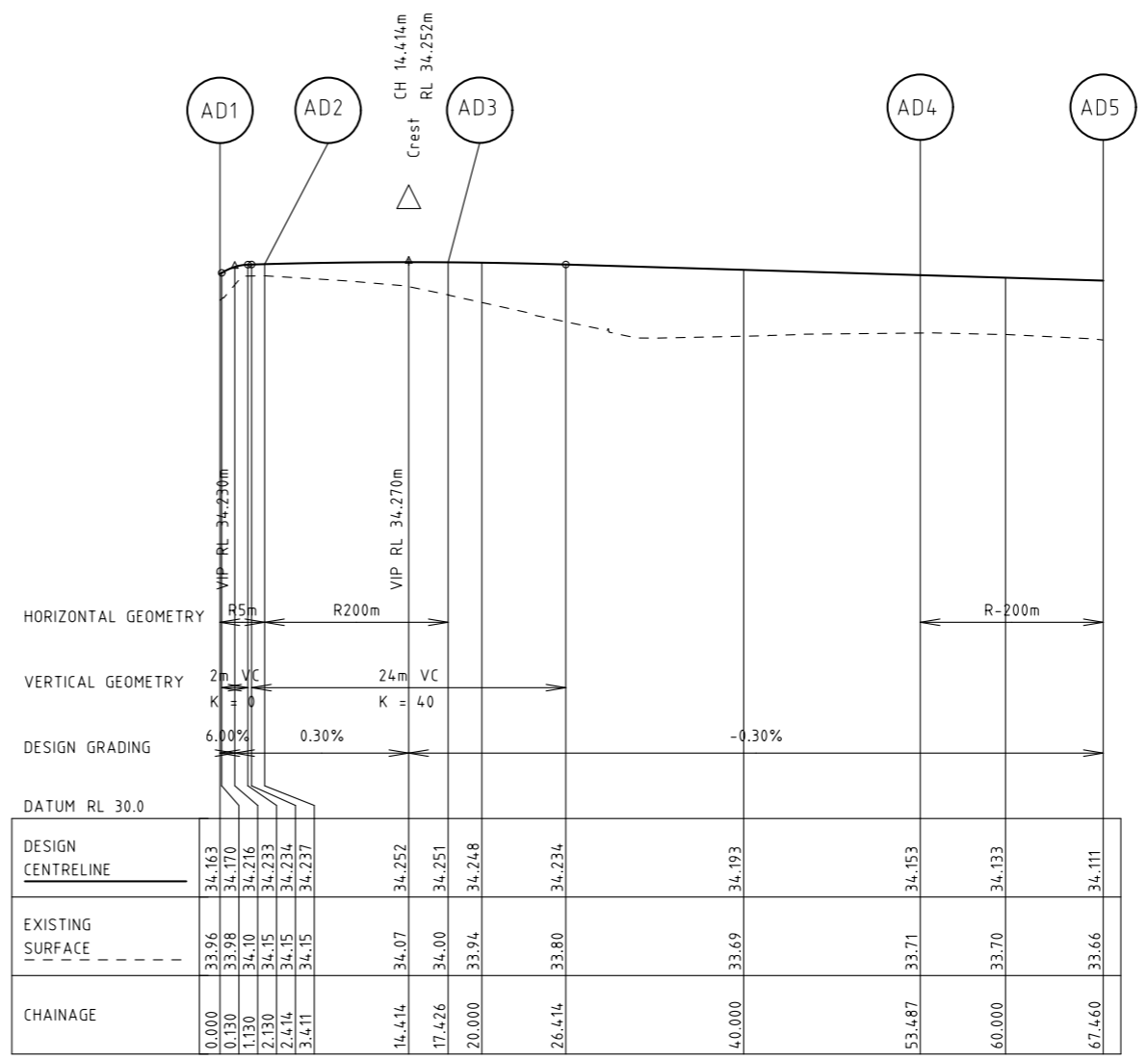
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AC - PRINCES HWY - BAYVIEW RD - SETOUT PROFILE

Scale H: 1:500
V: 1:50



AD - PRINCES HWY - BAYVIEW RD - SETOUT PROFILE

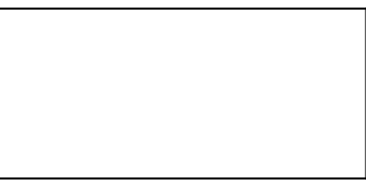
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0 5 10 20
1:1000 @ A3

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Drawn: S.BECKHAM
Designed: S.BECKHAM
Checked: P.CHATTERLEY
Authorised: P.CHATTERLEY

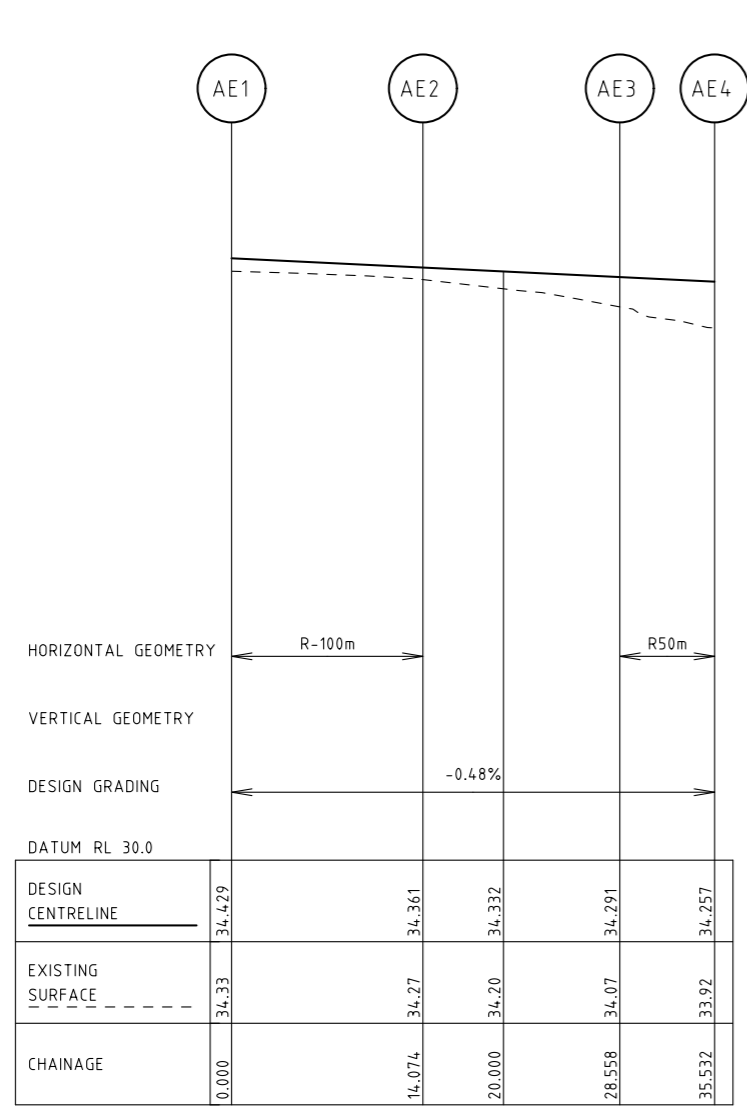
Client: CARDINIA SHIRE COUNCIL
Project: CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title: LIP PROFILE SHEET 2

Status: FOR APPROVAL			
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Date	Scale	Size	Revision
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Drawing Number: V191441-CI-DG-5252			Revision: 3

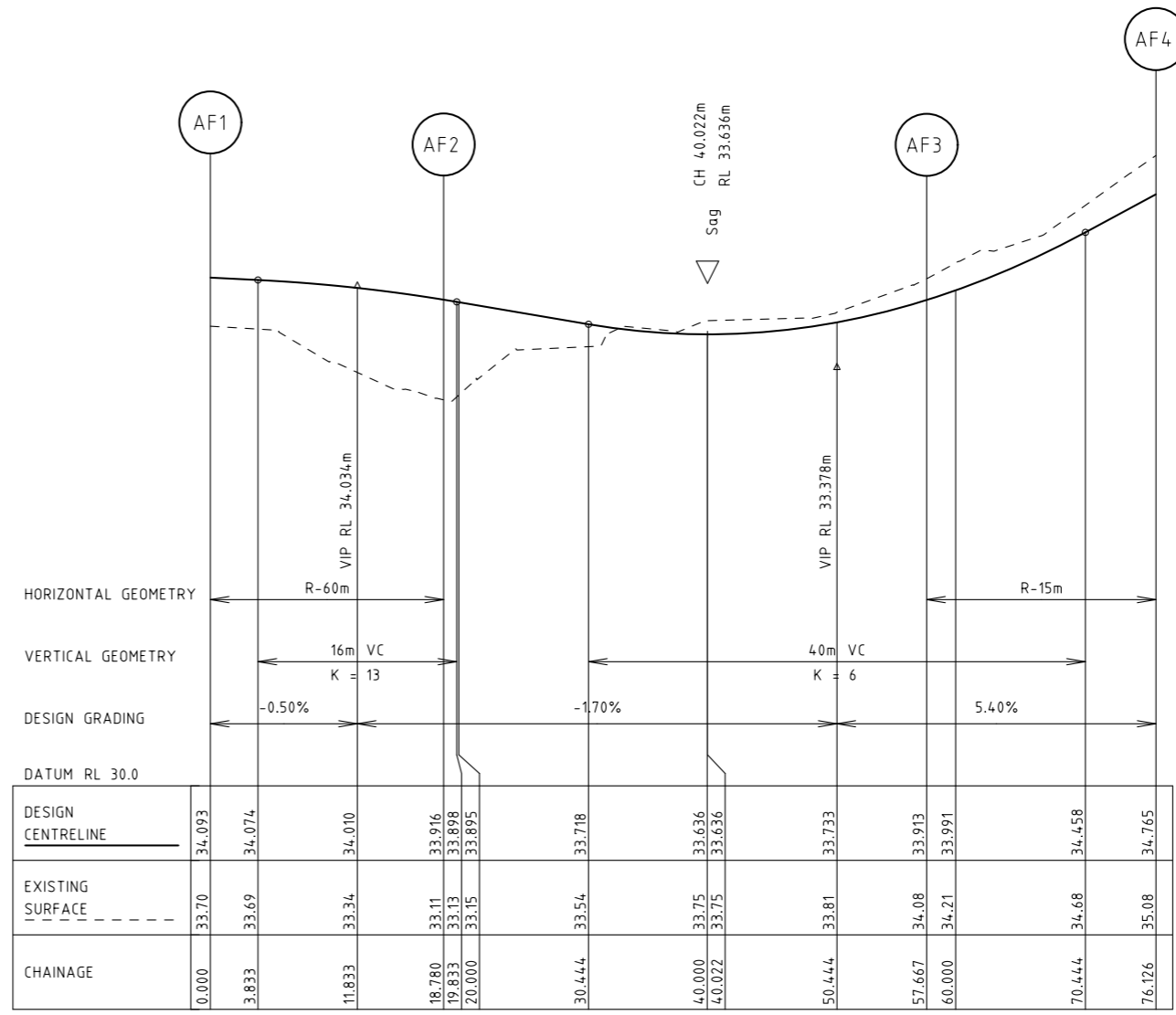
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AE - PRINCES HWY - BAYVIEW RD - SETOUT PROFILE
Scale H: 1:500
V: 1:50



AF - PRINCES HIGHWAY & BAYVIEW ROAD INTERSECTION - LIP PROFILE
Scale H: 1:500
V: 1:50

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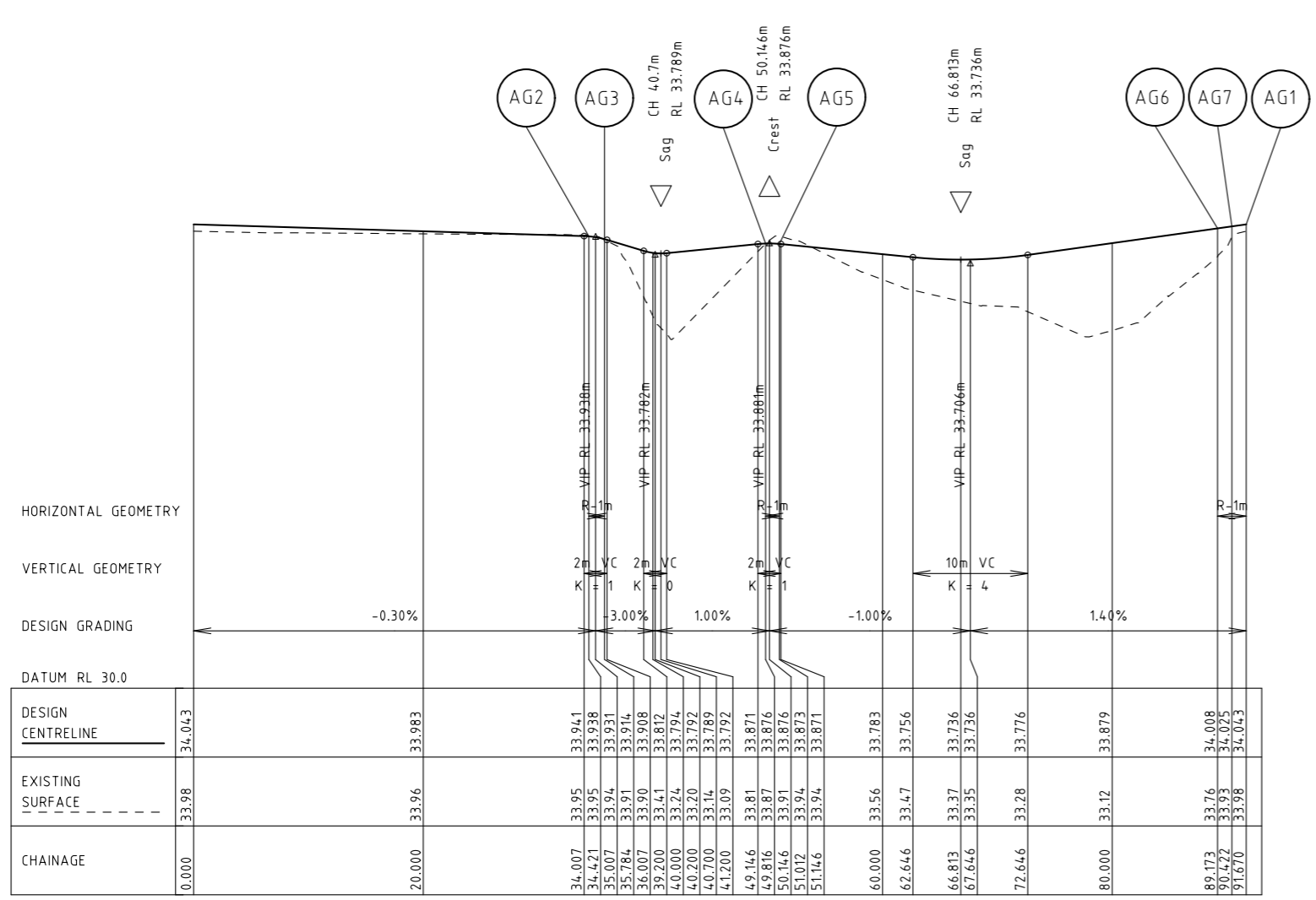
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Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Checked P.CHATTERLEY	Title LIP PROFILE SHEET 3	Date 10.06.2020
Authorised P.CHATTERLEY	Drawing Number V191441-CI-DG-5253	Scale 1:1000
		Size A3
		Revision 3

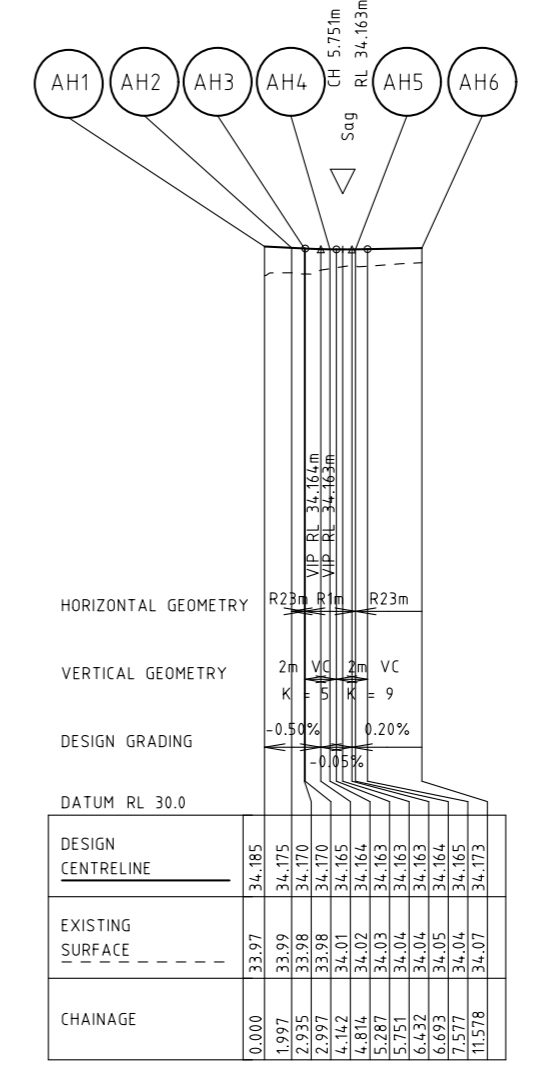
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Scale H: 1:500
V: 1:50



AH - PRINCES HWY - BAYVIEW RD - SETOUT PROFILE
Scale H: 1:500
V: 1:50

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1:1000 @ A3

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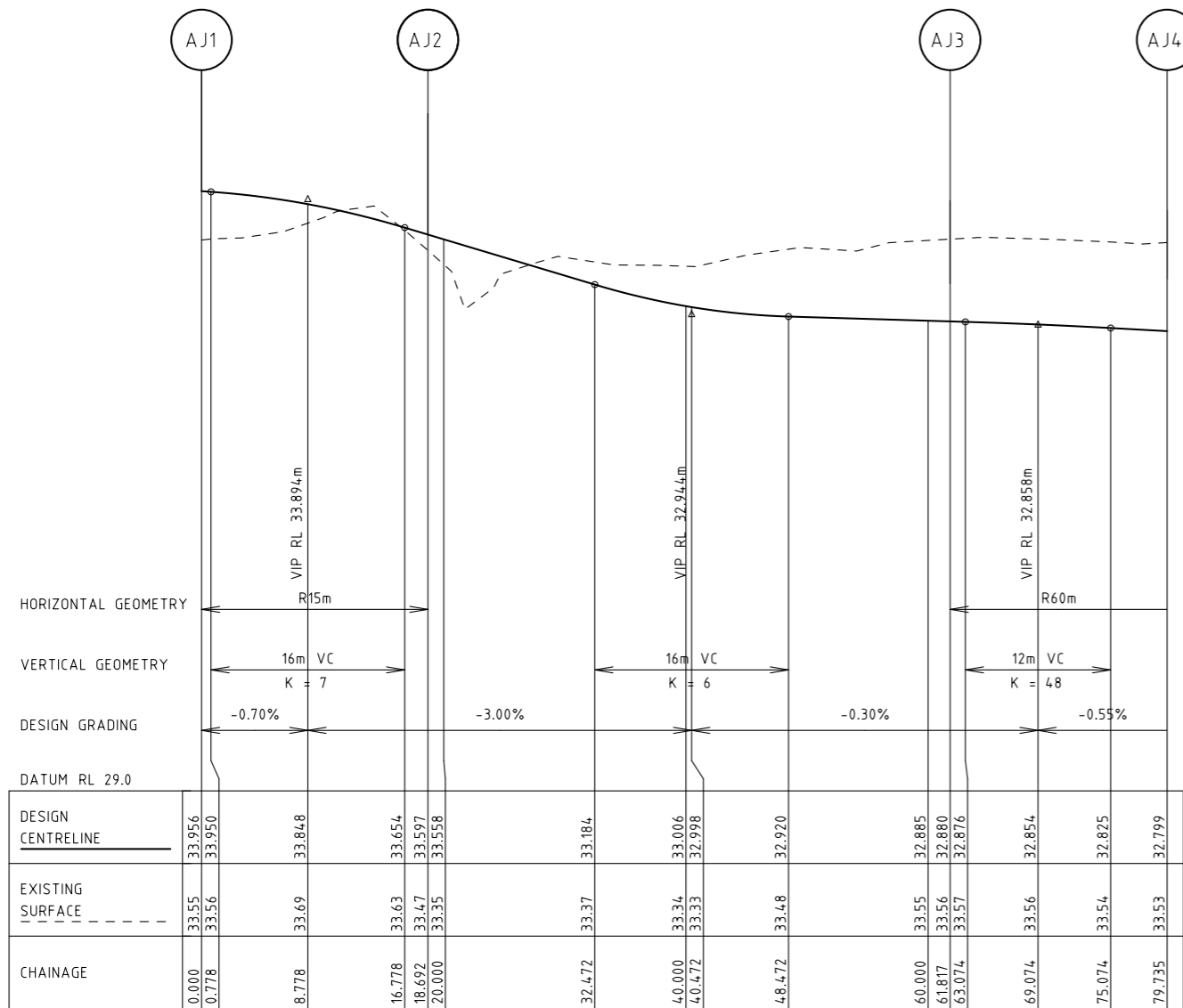


Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL
Designed S.BECKHAM	Project PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Checked P.CHATTERLEY	Title LIP PROFILE SHEET 4	Date 10.06.2020
Authorised P.CHATTERLEY	Scale 1:1000	Size A3
Drawing Number V191441-CI-DG-5254		Revision 3

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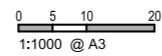


AJ - PRINCES HWY - BAYVIEW RD - SETOUT PROFILE

Scale H: 1:500
V: 1:50

Rev	Date	Description	Drawn	Appr.
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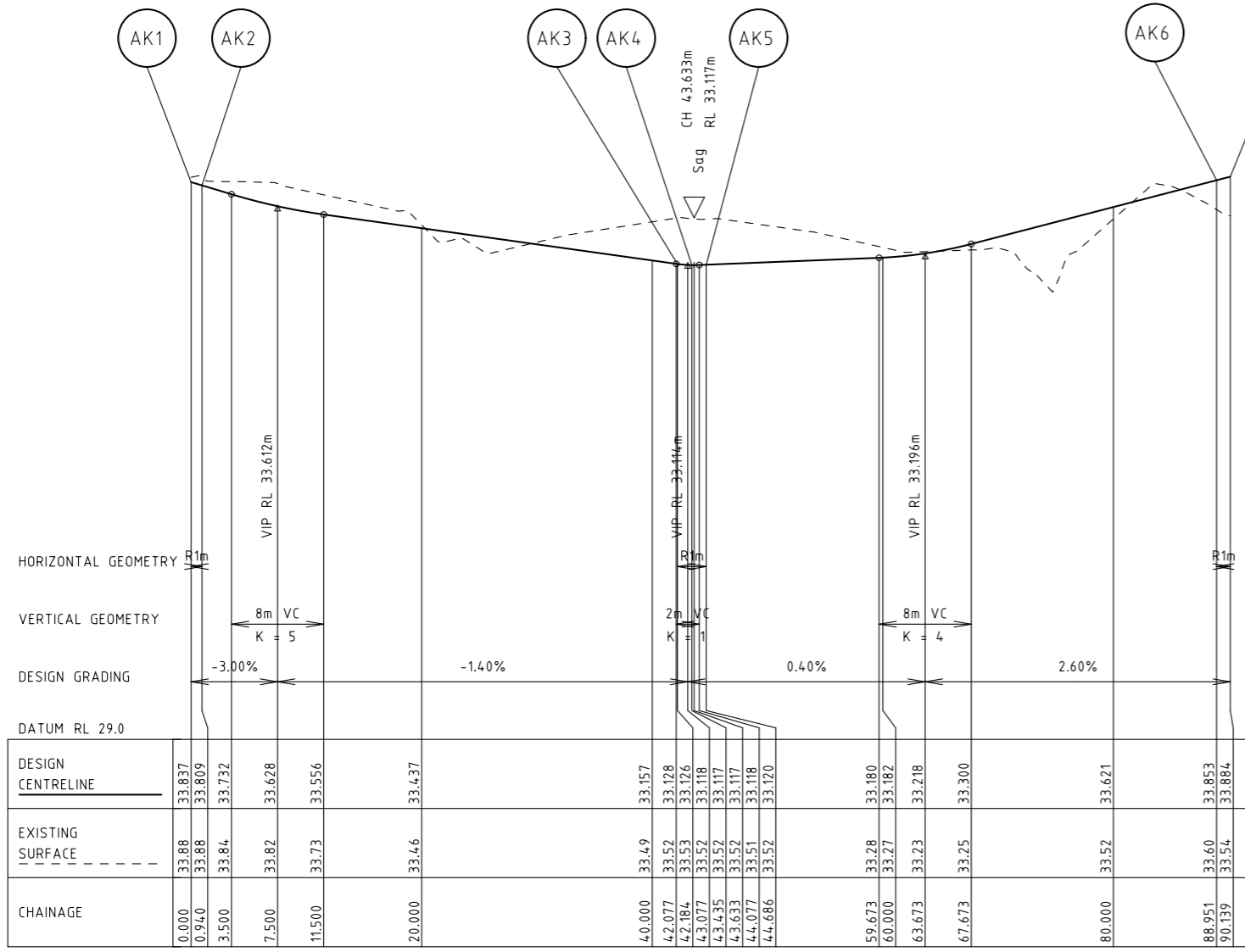


Drawn	S.BECKHAM	Client	CARDINIA SHIRE COUNCIL			
Designed	S.BECKHAM	Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION			
Checked	P.CHATTERLEY	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES			
Authorised	P.CHATTERLEY	Date	10.06.2020	Scale	1:1000	
		Title	LIP PROFILE SHEET 5		Size	A3
		Drawing Number	V191441-CI-DG-5255		Revision	3

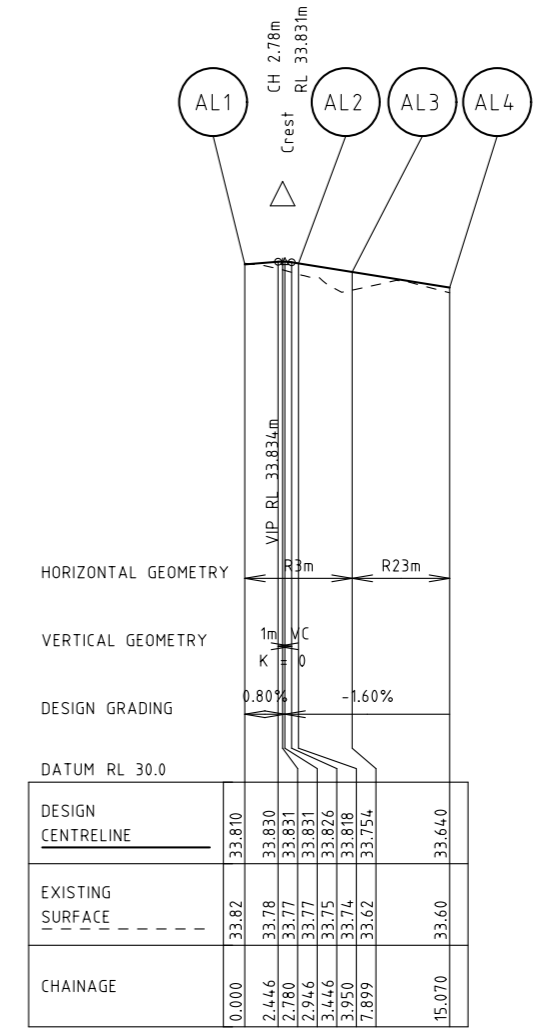
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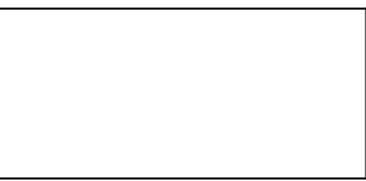


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Rev	Date	Description	Drawn	Appr.
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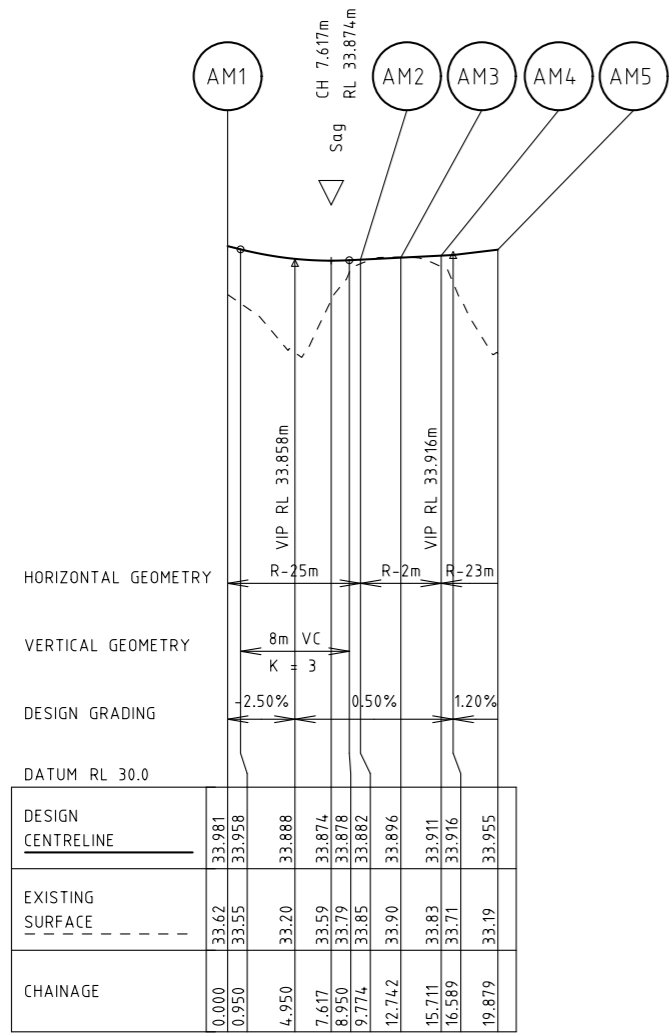


Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Checked P.CHATTERLEY	Title LIP PROFILE SHEET 6	Date 10.06.2020
Authorised P.CHATTERLEY	Drawing Number V191441-CI-DG-5256	Scale 1:1000
		Size A3
		Revision 3

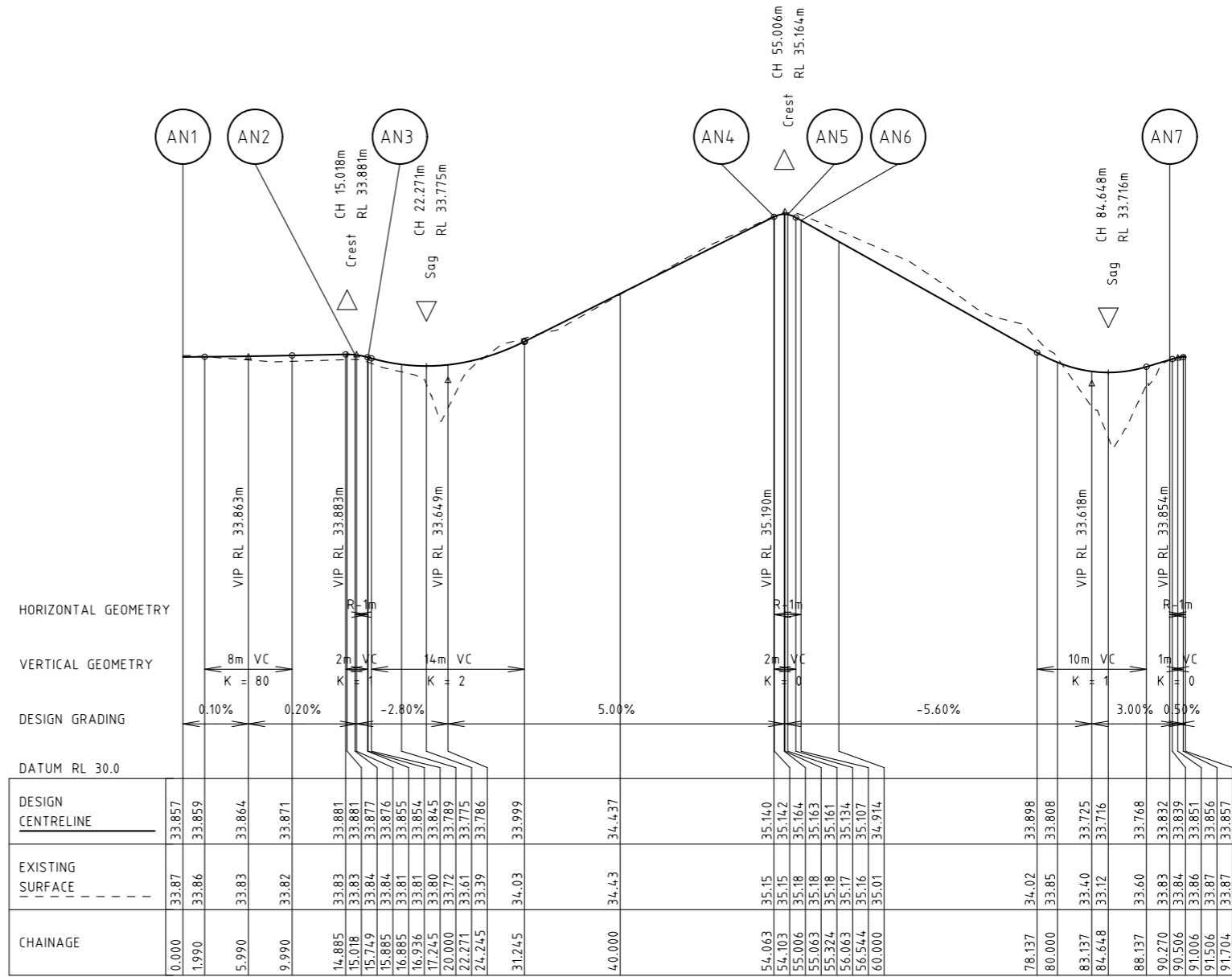
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CAD File: M:\2019\1001_1500V191441_CSC_Design_of_6_Intersections\Civil\Drafting\Part B - Bayview Road\191441-CI-DG-5257.dgn



AM - PRINCES HWY - BAYVIEW RD - SETOUT PROFILE
Scale H: 1:500
V: 1:50



AN - PRINCES HWY - BAYVIEW RD - SETOUT PROFILE
Scale H: 1:500
V: 1:50

Rev	Date	Description	Drawn	Appr.
3	22.10.21	ISSUE FOR TENDER	SB	PC
2	25.08.21	DETAIL DESIGN ISSUE	SB	PC
1	11.08.21	ISSUE FOR TENDER	SB	PC

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0 5 10 20
1:1000 @ A3

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE.

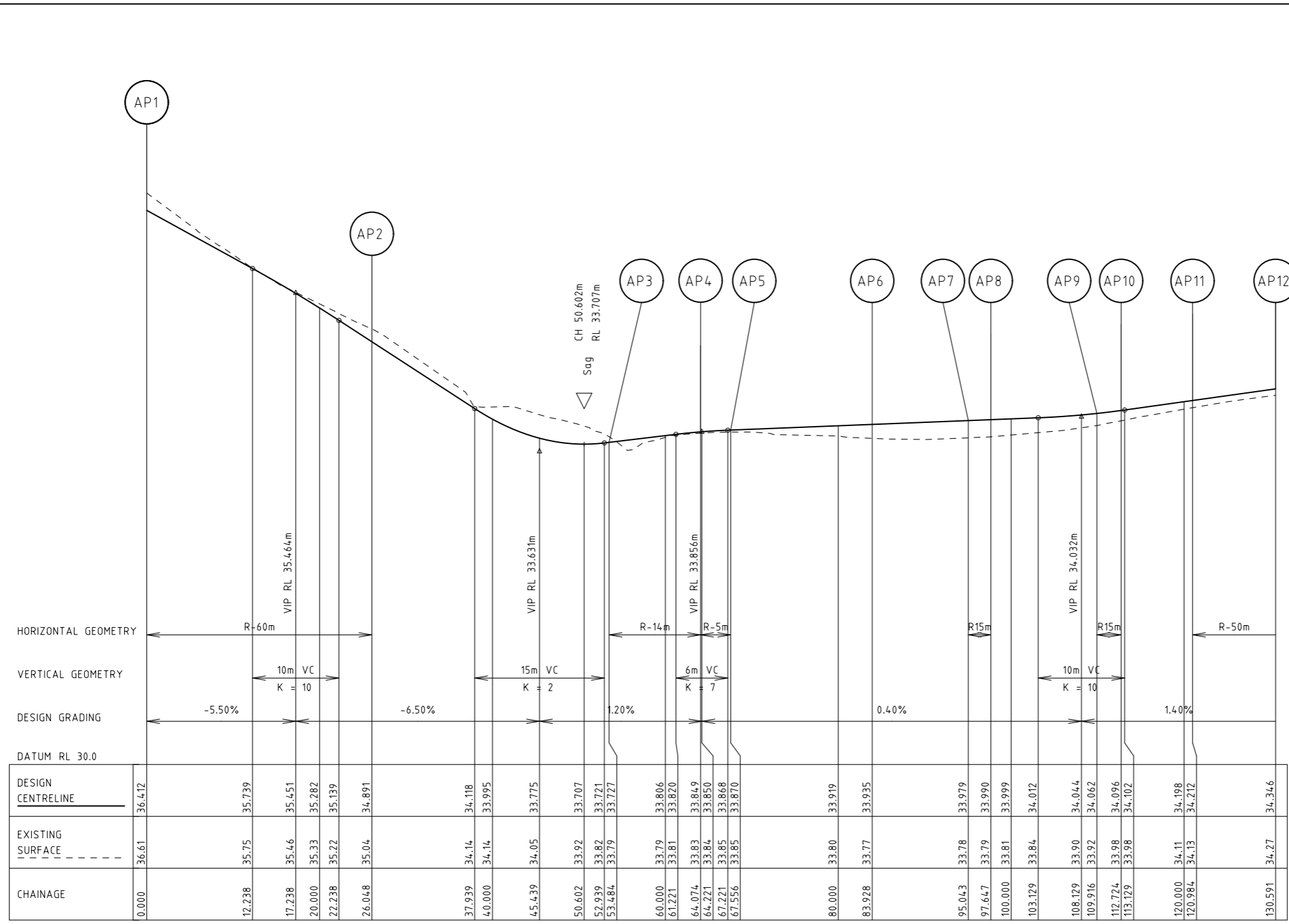


Drawn S.BECKHAM	Client CARDINIA SHIRE COUNCIL	Status FOR APPROVAL
Designed S.BECKHAM	Project CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Checked P.CHATTERLEY	Title LIP PROFILE SHEET 7	Date 10.06.2020
Authorised P.CHATTERLEY	Drawing Number V191441-CI-DG-5257	Scale 1:1000
		Size A3
		Revision 3

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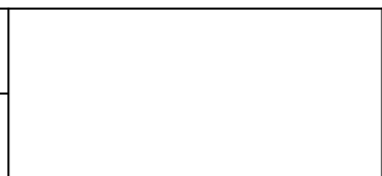
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Rev	Date	Description	Drawn	Appr.
3	22.10.21	ISSUE FOR TENDER	SB	PC
2	25.08.21	DETAIL DESIGN ISSUE	SB	PC
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ABN: 47 106 610 913
 501 Swanston Street, Melbourne, VIC Australia 3000
 Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
 Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

Drawn	S.BECKHAM
Designed	S.BECKHAM
Checked	P.CHATTERLEY
Authorised	P.CHATTERLEY

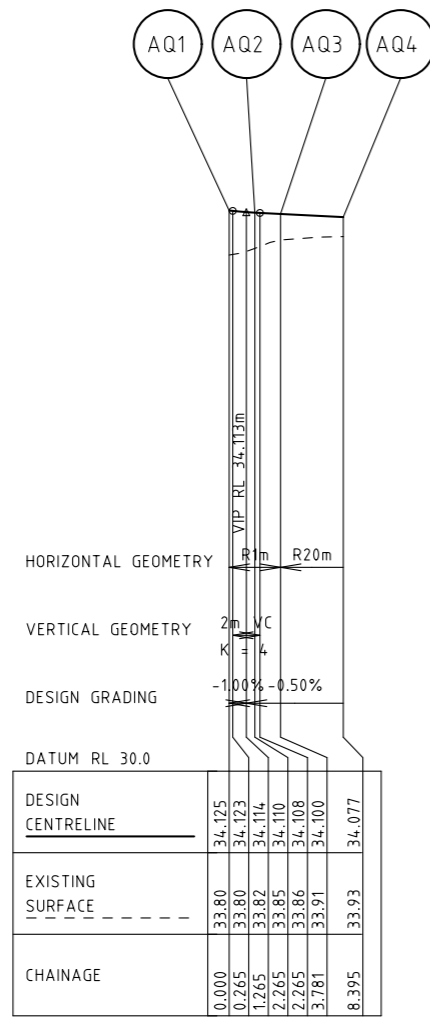
Client	CARDINIA SHIRE COUNCIL
Project	CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title	LIP PROFILE SHEET 8

Status	FOR APPROVAL		
	NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	10.06.2020	Scale	1:1000
Size	A3		Revision
Drawing Number	V191441-CI-DG-5258	3	

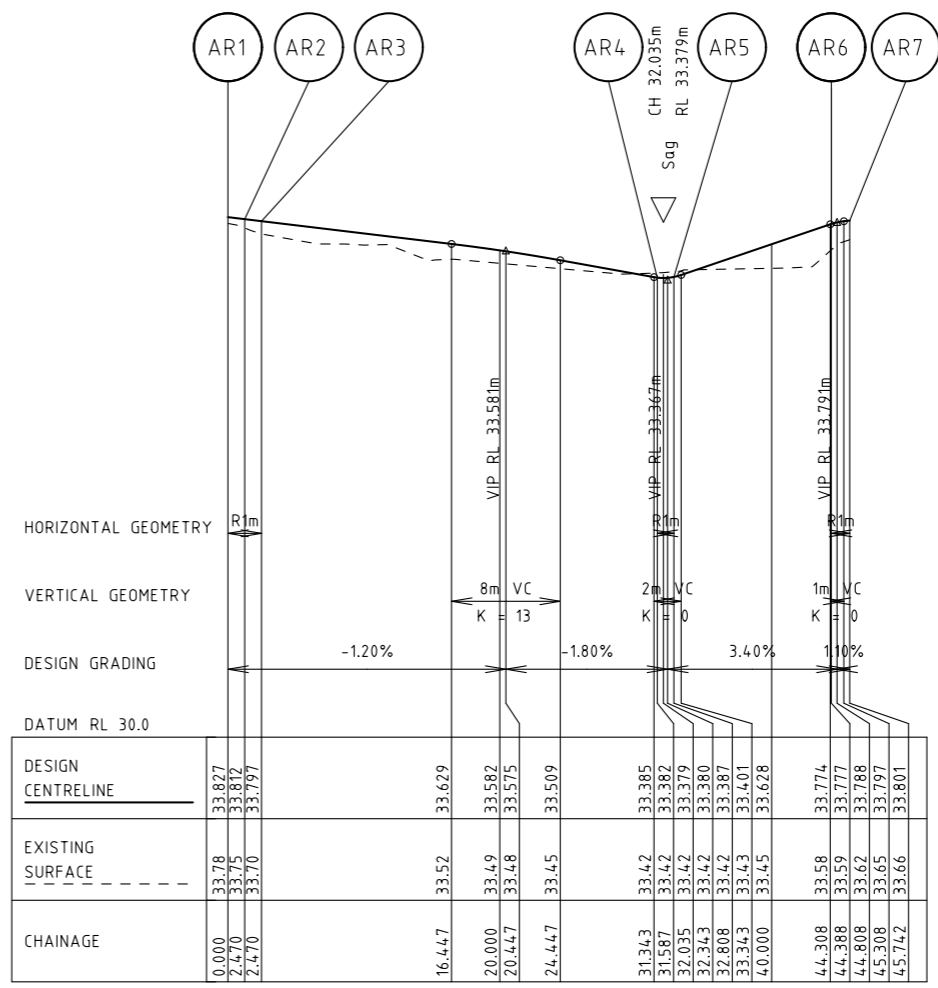
BY: \$USERS\$

DATE PLOTTED: 22/10/2021 4:06:27 PM

CAD File: M:\2019\1001_1500V191441_CSC_Design_of_6_Intersections\Civil\Drafting\Part B - Bayview Road\191441-CI-DG-5259.dgn



AQ - PRINCES HWY - BAYVIEW RD - SETOUT PROFILE
Scale H: 1:500
V: 1:50



AR - PRINCES HWY - BAYVIEW RD - SETOUT PROFILE
Scale H: 1:500
V: 1:50

Rev	Date	Description	Drawn	Appr.
3	22.10.21	ISSUE FOR TENDER	SB	PC
2	25.08.21	DETAIL DESIGN ISSUE	SB	PC
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ABN: 47 106 610 913
501 Swanston Street, Melbourne, VIC Australia 3000
Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
Email: victoria@cardno.com.au Web: www.cardno.com.au/victoria

Drawn: S.BECKHAM
Designed: S.BECKHAM
Checked: P.CHATTERLEY
Authorised: P.CHATTERLEY

Client: CARDINIA SHIRE COUNCIL
Project: CSC PART B - BAYVIEW ROAD BAYVIEW ROAD & PRINCES HIGHWAY INTERSECTION
Title: LIP PROFILE SHEET 9

Status: **FOR APPROVAL**
NOT TO BE USED FOR CONSTRUCTION PURPOSES

Date: 10.06.2020
Scale: 1:1000
Size: A3

Drawing Number: V191441-CI-DG-5259
Revision: 3