

PROJECT: MINARAH COLLEGE - CATHERINE FIELD

PLANSET: ROADWORKS DESIGN

CLIENT: MINARAH COLLEGE



LOCALITY PLAN
NOT TO SCALE


CAMDEN COUNCIL

268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW
LOT 11 DP833983 & LOT 12 DP833798

DRAWING LIST		
DWG NO.	REV	DWG TITLE
GENERAL		
PS01-A000	B	COVER SHEET
PS01-A050	B	DEVELOPMENT OVERVIEW PLAN
CONSTRUCTION MANAGEMENT WORKS		
PS01-B300	B	SEDIMENT & EROSION CONTROL PLAN
PS01-B310	B	SEDIMENT & EROSION CONTROL DETAILS
EARTHWORKS		
PS01-C100	B	EARTHWORKS GRADING PLAN
PS01-C500	B	EARTHWORKS CUT & FILL PLAN
ROADWORK		
PS01-D100	B	ROADWORKS PLAN - ULTIMATE STAGE
PS01-D110	B	ROADWORKS PLAN - STAGE 1
PS01-D200	B	CATHERINE FIELDS ROAD LONGITUDINAL, TYPICAL SECTION AND DETAILS
PS01-D300	B	BUS BAY INTERSECTION PLAN AND SETOUT TABLE (22-MRK01)
PS01-D301	B	SITE ENTRY INTERSECTION PLAN AND SECTIONS (22-MRK01 & 22-MRK02)
PS01-D302	B	SITE EXIT INTERSECTION PLAN, SECTIONS & SETOUT TABLE (22-MRK01, 22-MRK05 & 22-MRK08)
PS01-D500	B	CATHERINE FIELDS ROAD CROSS SECTIONS - SHEET 1
PS01-D501	B	CATHERINE FIELDS ROAD CROSS SECTIONS - SHEET 2
PS01-D502	B	CATHERINE FIELDS ROAD CROSS SECTIONS - SHEET 3
PS01-D503	B	CATHERINE FIELDS ROAD CROSS SECTIONS - SHEET 3
DRAINAGE WORKS		
PS01-E100	B	DRAINAGE PLAN
FINAL CIVIL WORKS		
PS01-G400	B	CONCEPT SIGNAGE & LINEMARKING PLAN - ULTIMATE STAGE
PS01-G401	B	CONCEPT SIGNAGE & LINEMARKING PLAN - STAGE 1
PS01-G450	B	CONCEPT PAVEMENT DESIGN - ULTIMATE STAGE
PS01-G451	B	CONCEPT PAVEMENT DESIGN - STAGE 1

- GENERAL NOTES:
- THIS PLAN IS FOR DEVELOPMENT APPLICATION PURPOSE AND NOT FOR CONSTRUCTION. DESIGN TO BE REVIEWED AND UPDATED FOR CONSTRUCTION CERTIFICATE.
 - ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH, AND THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE RELEVANT AUSTRALIAN STANDARDS, COUNCIL SPECIFICATIONS, AND ALL PROJECT CONSULTANT'S PLANS AND REPORTS.
 - SURVEY INFORMATION AND EXTERNAL SITE BOUNDARY SHOWN BASED ON SURVEY INFORMATION PROVIDED BY C.M.S SURVEYORS 17/03/2021.
 - LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
 - FINAL SURFACE CONTOURS ARE BASED ON DESIGN AND EXISTING SURVEY AND LIDAR SURFACES.

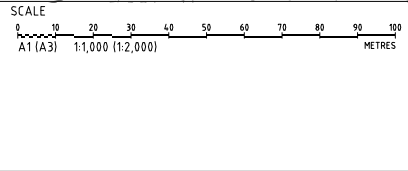
STATE SIGNIFICANT DEVELOPMENT APPLICATION

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT	<div></div> <div>Consulting Engineers Environment Water Geotechnical Civil</div>	DRAWING TITLE COVER SHEET					
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH		---	---	TH	MINARAH COLLEGE							
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH		DISCLAIMER & COPYRIGHT This plan must not be used for construction unless signed as approved by principal certifying authority. All measurements in millimetres unless otherwise specified. This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd. (C) Copyright Martens & Associates Pty Ltd									PROJECT NAME/PLANSET TITLE MINARAH COLLEGE - CATHERINE FIELD ROADWORKS DESIGN 268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW	Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au
A1 / A3 LANDSCAPE (A3LC_v02.0.0)								DRAWING ID: P2108320-PS01-R02-A000										



STATE SIGNIFICANT DEVELOPMENT APPLICATION

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH



GRID	DATUM	PROJECT MANAGER	CLIENT
MGA	mAHD	TH	MINARAH COLLEGE
DISCLAIMER & COPYRIGHT			
This plan must not be used for construction unless signed as approved by principal certifying authority.			
All measurements in millimetres unless otherwise specified.			
This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd			
(C) Copyright Martens & Associates Pty Ltd			

PROJECT NAME/PLANSET TITLE
MINARAH COLLEGE - CATHERINE FIELD
ROADWORKS DESIGN
268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW



martens
& Associates Pty Ltd

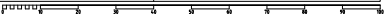
Consulting Engineers

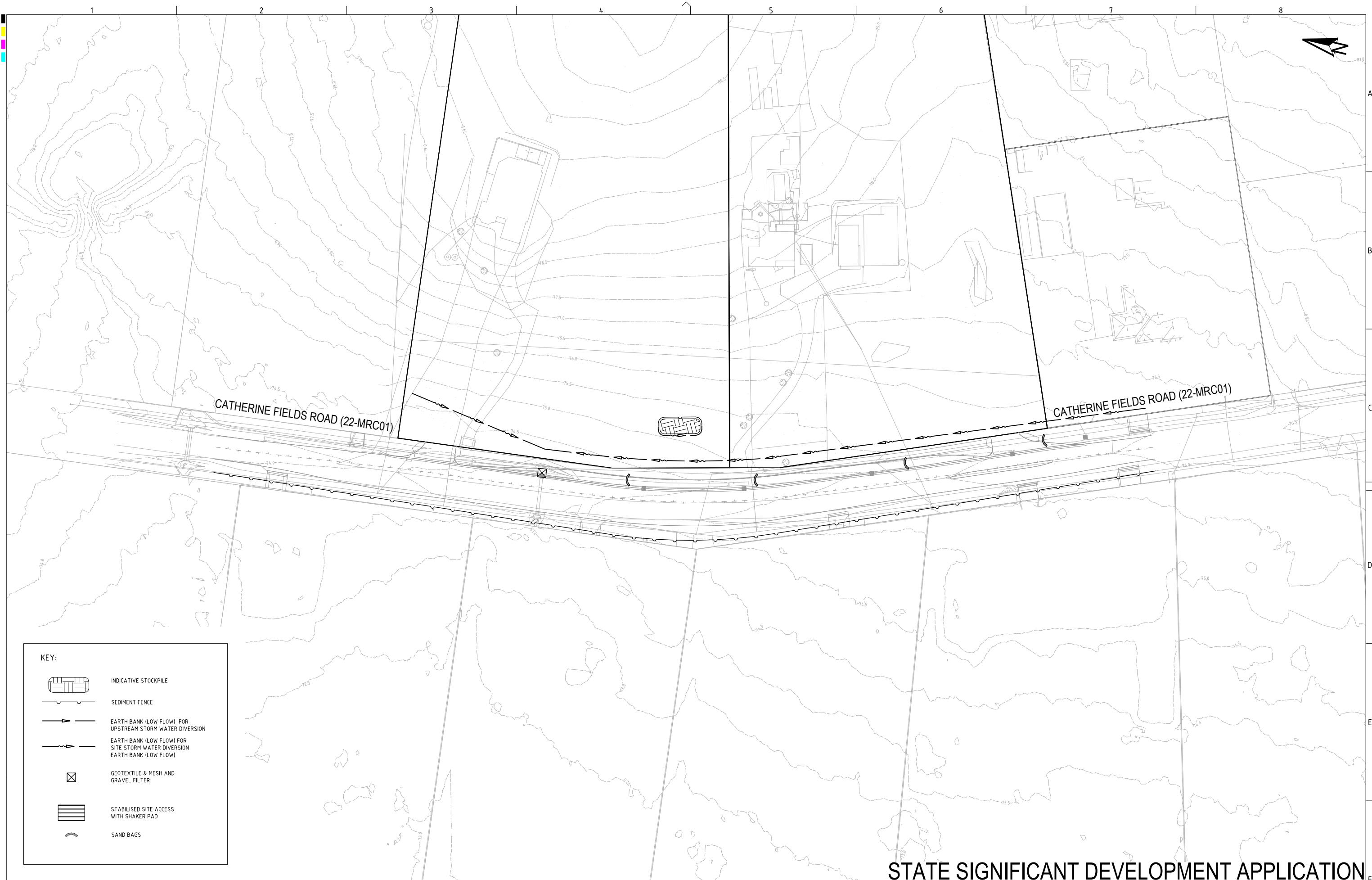
Environment
Water
Geotechnical
Civil

Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8787
Email: mail@martens.com.au Internet: www.martens.com.au

DRAWING TITLE				
DEVELOPMENT OVERVIEW PLAN				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P2108320	PS01	R02	PS01-A050	B

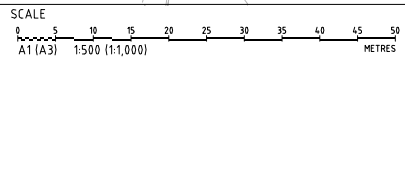
PRINTED - - - - - USER: RICK ANDERSON





STATE SIGNIFICANT DEVELOPMENT APPLICATION

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH



GRID	DATUM	PROJECT MANAGER	CLIENT
MGA	mAHD	TH	MINARAH COLLEGE
DISCLAIMER & COPYRIGHT			
This plan must not be used for construction unless signed as approved by principal certifying authority.			
All measurements in millimetres unless otherwise specified.			
This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd.			
(C) Copyright Martens & Associates Pty Ltd			

PROJECT NAME/PLANSET TITLE
MINARAH COLLEGE - CATHERINE FIELD
ROADWORKS DESIGN
268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW



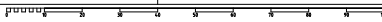
Consulting Engineers

Environment
Water
Geotechnical
Civil

Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767
Email: mail@martens.com.au Internet: www.martens.com.au

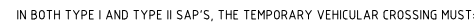
DRAWING TITLE				
SEDIMENT & EROSION CONTROL PLAN				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P2108320	PS01	R02	PS01-B300	B

PRINTED: 14/04/2022 14:00:00



TYPE II SAP

STABILISED ACCESS POINT - TYPE 2



- IT SHOULD BE NOTED THAT THESE TYPES OF SAPS ARE CONSIDERED TO BE APPLICABLE FOR THE MAJORITY OF ACTIVITIES HOWEVER SOME SITES MAY REQUIRE SPECIAL CONSIDERATION.

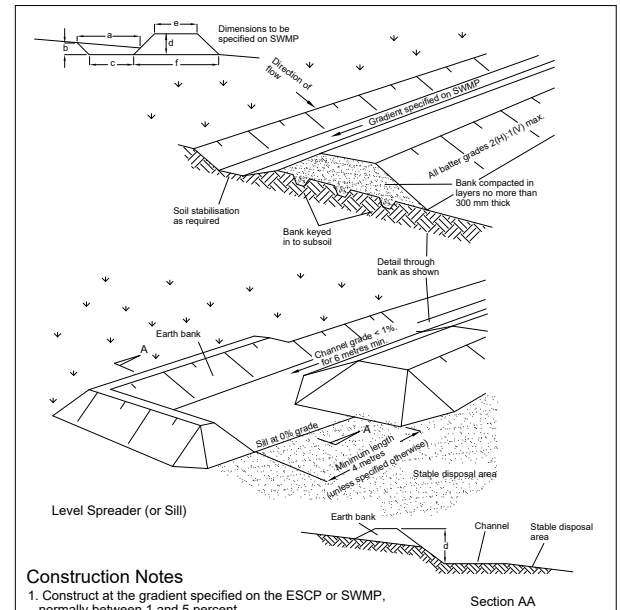
A CORRECTLY DESIGNED AND INSTALLED SHAKER PAD WILL ASSIST IN PREVENTING SEDIMENT TRANSFER FROM A SITE. ANY STABILISED ACCESS POINT (SAP) CAN BE DESIGNED WITH A SHAKER PAD (COMPULSOPRY IN TYPE II SAP'S)

SHAKER PADS CAN BE DESIGNED AND CONSTRUCTED TO ENABLE RE-USE ON FUTURE PROJECTS

THE SHAKER PAD:

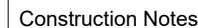
- MUST BE DESIGNED AND CERTIFIED BY A PRACTICING STRUCTURAL ENGINEER. THE CERTIFIED DESIGN SHOULD BE SUBMITTED WITH THE RELEVANT APPLICATION.
- CAN BE CONSTRUCTED FROM ANY SUITABLE MATERIAL.
- MUST BE LOCATED ON A SUITABLY PREPARED AND COMPACTED SUB-GRADE/BASE MATERIAL.
- MUST BE SITUATED SUCH THAT THE RUNGS OF THE SHAKER PAD ARE LEVEL WITH THE ADJOINING NATURAL SURFACE.
- MUST BE A MINIMUM OF 3.5m IN LENGTH.
- MUST BE A MINIMUM OF 3.5m IN WIDTH.
- MUST HAVE CLEAR SPACING BETWEEN RUNGS OF 200 - 250mm.
- RUNGS MUST HAVE A MAXIMUM WIDTH (BEARING AREA) OF 75mm.
- MUST HAVE A MINIMUM CLEAR DEPTH OF 300mm IE FORM THE TOP OF THE RUNG TO THE FINISHED SUB-GRADE/BASE LEVEL.

THE SHAKER PAD MUST BE PROVIDED WITH SUITABLE BARRIERS AT THE SIDES TO ENSURE THAT ALL TYERS OF VEHICLES LEAVING THE SITE TRAVERSE THE DEVICE.



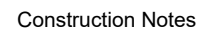
Construction Notes

1. Construct at the gradient specified on the ESCP or SWMP, normally between 1 and 5 percent
2. Avoid removing trees and shrubs if possible - work around them.
3. Ensure the structures are free of projections or other irregularities that could impede water flow.
4. Build the drains with circular, parabolic or trapezoidal cross sections, not V-shaped, at the dimensions shown on the SWMP.
5. Ensure the banks are properly compacted to prevent failure.
6. Complete permanent or temporary stabilisation within 10 days of construction following Table 5.2 in Landcom (2004).
7. Where discharging to erodible lands, ensure they outlet through a properly constructed level spreader.
8. Construct the level spreader at the gradient specified on the ESCP or SWMP, normally less than 1 percent or level.
9. Where possible, ensure they discharge waters onto either stabilised or undisturbed disposal sites within the same subcatchment area from which the water originated. Approval might be required to discharge into other subcatchments.

EARTH BANK (HIGH FLOWS) SD 5-6

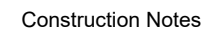
1. Construct sediment fences as close as possible to being parallel to the contours of the site, but with small returns as shown in the drawing to limit the catchment area of any one section. The catchment area should be small enough to limit water flow if concentrated at a point to 50 litres per second in the design storm event, usually the 10-year event.
2. Cut a 40-mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.
3. Drive 1.5 metre long star pickets into ground at 2.5 metre intervals (max) at the downslope edge of the trench. Ensure any star pickets are fitted with safety caps.
4. Fix self-supporting geotextile to the upslope side of the posts ensuring it goes to the base of the trench. Fix the geotextile with wire ties or as recommended by the manufacturer. Only purpose geotextile specifically produced for sediment fencing. The use of shade cloth for this purpose is not satisfactory.
5. Join sections of fabric at a support post with a 150-mm overlap.
6. Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.

SEDIMENT FENCE SD 6-8



1. Fabricate a sediment barrier made from geotextile or straw bales.
2. Follow Standard Drawing 6-7 and Standard Drawing 6-8 for installation procedures for the straw bales or geobarc. Reduce the picket spacing to 1 metre centres.
3. In waterways, artificial sag points can be created with sandbags or earth banks as shown in the drawing.
4. Do not cover the inlet with geotextile unless the design is adequate to allow for all waters to bypass it.

GEOTEXTILE INLET FILTER ☒ SD 6-12



1. Build with gradients between 1 percent and 5 percent.
2. Avoid removing trees and shrubs if possible - work around them.
3. Ensure the structures are free of projections or other irregularities that could impede water flow.
4. Build the drains with circular, parabolic or trapezoidal cross sections, not V shaped.
5. Ensure the banks are properly compacted to prevent failure.
6. Complete permanent or temporary stabilisation within 10 days of construction.

EARTH BANK (LOW FLOW) ———> ———> ——— SD 5-5



1. Place stockpiles more than 2 (preferably 5) metres from existing vegetation, concentrated water flow, roads and hazard areas.
2. Construct on the contour as low, flat, elongated mounds.
3. Where there is sufficient area, topsoil stockpiles shall be less than 2 metres in height.
4. Where they are to be in place for more than 10 days, stabilise following the approved ESCP or SWMP to reduce the C-factor to less than 0.10.
5. Construct earth banks (Standard Drawing 5-5) on the upslope side to divert water around stockpiles and sediment fences (Standard Drawing 6-8) 1 to 2 metres downslope.

STOCKPILES SD 4-1

[illegible]

GRID ---	DATUM ---	PROJECT MANAGER TH	CLIENT MINARAH COLLEGE
DISCLAIMER & COPYRIGHT This plan must not be used for construction unless signed as approved by principal certifying authority. All measurements in millimetres unless otherwise specified. This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd. (C) Copyright Martens & Associates Pty Ltd			PROJECT NAME/PLANSET TITLE MINARAH COLLEGE - CATHERINE FIELD ROADWORKS DESIGN 268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW



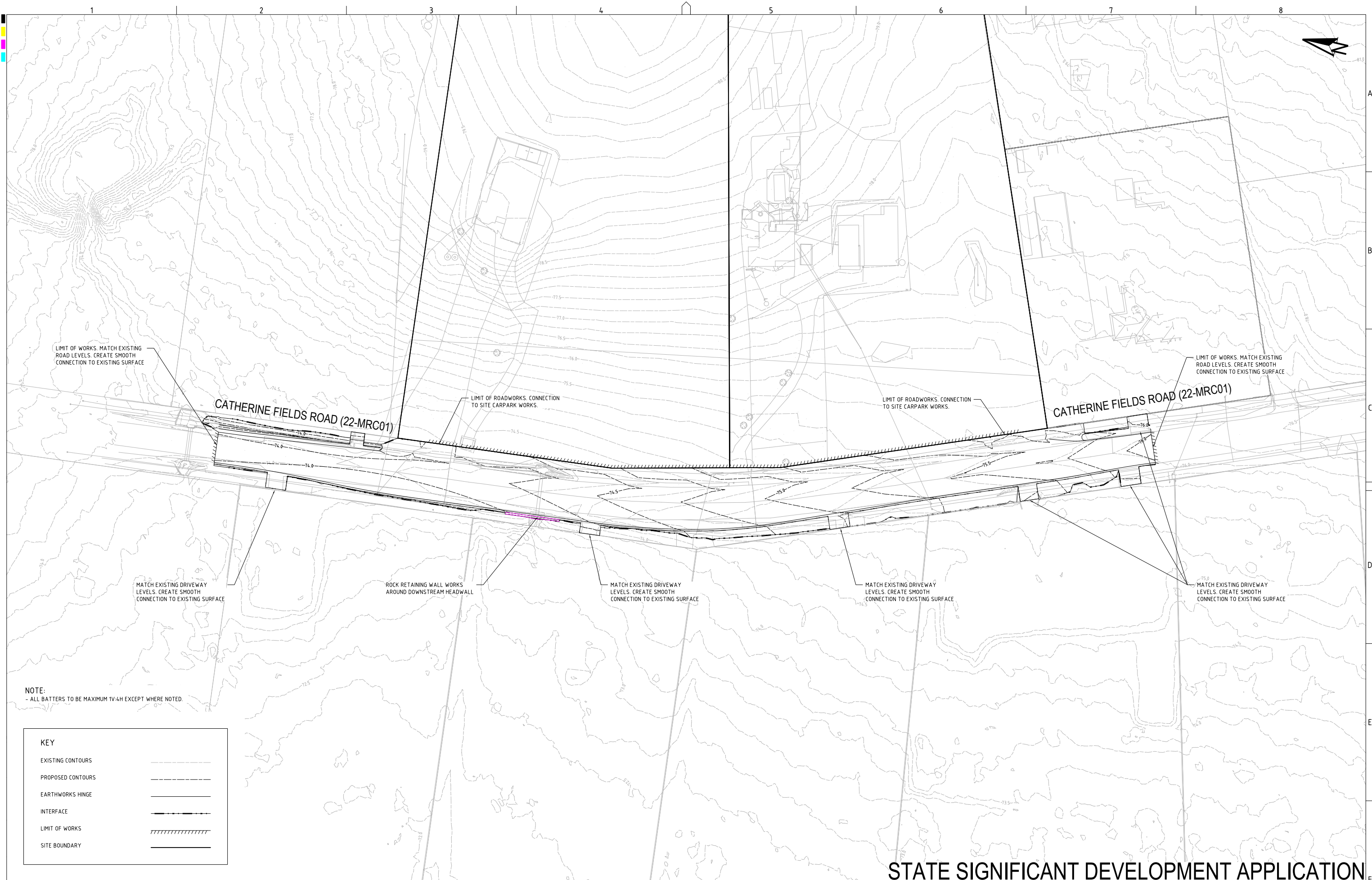
martens
& Associates Pty Ltd

Consulting Engineers
Environment
Water
Geotechnical
Civil

DRAWING TITLE	SEDIMENT & EROSION CONTROL DETAILS
---------------	------------------------------------

PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P2108320	PS01	R02	PS01-B310	B

DRAWING ID: P2108320-PS01-R02-B310



NOTE:
- ALL BATTERS TO BE MAXIMUM 1V:4H EXCEPT WHERE NOTED.

KEY	
EXISTING CONTOURS	---
PROPOSED CONTOURS	- - - -
EARTHWORKS HINGE	—+—+—+—+—
INTERFACE	=====
LIMIT OF WORKS	
SITE BOUNDARY	=====

<div>REVDESCRIPTIONDATEDRAWNDISIGNEDCHECKEDAPPRVD BMINOR AMENDMENTS14/04/2022NNCG/AVGCG/AVGTH AINITIAL RELEASE17/03/2022JS/NNCG/AVGCG/AVGTH</div>		<div>SCALE0 5 10 15 20 25 30 35 40 45 50 A1 (A3) 1:500 (1:1,000)METRES</div>		<div>GRIDMGADATUMmAHDPROJECT MANAGERTHCLIENTMINARAH COLLEGE</div>		<div>PROJECT NAME/PLANSET TITLE MINARAH COLLEGE - CATHERINE FIELD ROADWORKS DESIGN 268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW</div>		<div> Consulting Engineers Environment Water Geotechnical Civil</div>		<div>DRAWING TITLE EARTHWORKS GRADING PLAN</div>	
		<div>DISCLAIMER & COPYRIGHT This plan must not be used for construction unless signed as approved by principal certifying authority. All measurements in millimetres unless otherwise specified. This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd. (C) Copyright Martens & Associates Pty Ltd</div>						<div>PROJECT NO.P2108320PLANSET NO.PS01RELEASE NO.R02DRAWING NO.PS01-C100REVISIONB</div>			
<div>PRINTED: A1 / A3 LANDSCAPE (A1LC_022.0.01)</div>						<div>Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au</div>		<div>DRAWING ID: P2108320-PS01-R02-C100</div>			



CUT-FILL DEPTH DESIGN TO EXISTING				
LOWER THAN	-1.000	m		
-1.000	to	-0.750	m	
-0.750	to	-0.500	m	
-0.500	to	-0.250	m	
-0.250	to	-0.050	m	
-0.050	to	0.050	m	
0.050	to	0.250	m	
0.250	to	0.500	m	
0.500	to	0.750	m	
0.750	to	1.000	m	
HIGHER THAN	99999	m		

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH

SCALE
0 5 10 15 20 25 30 35 40 45 50
A1 (A3) 1:500 (1:1,000) METRES

GRID	DATUM	PROJECT MANAGER
MGA	mAHD	TH
DISCLAIMER & COPYRIGHT		
This plan must not be used for construction unless signed as approved by principal certifying authority.		
All measurements in millimetres unless otherwise specified.		
This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd.		
(C) Copyright Martens & Associates Pty Ltd		

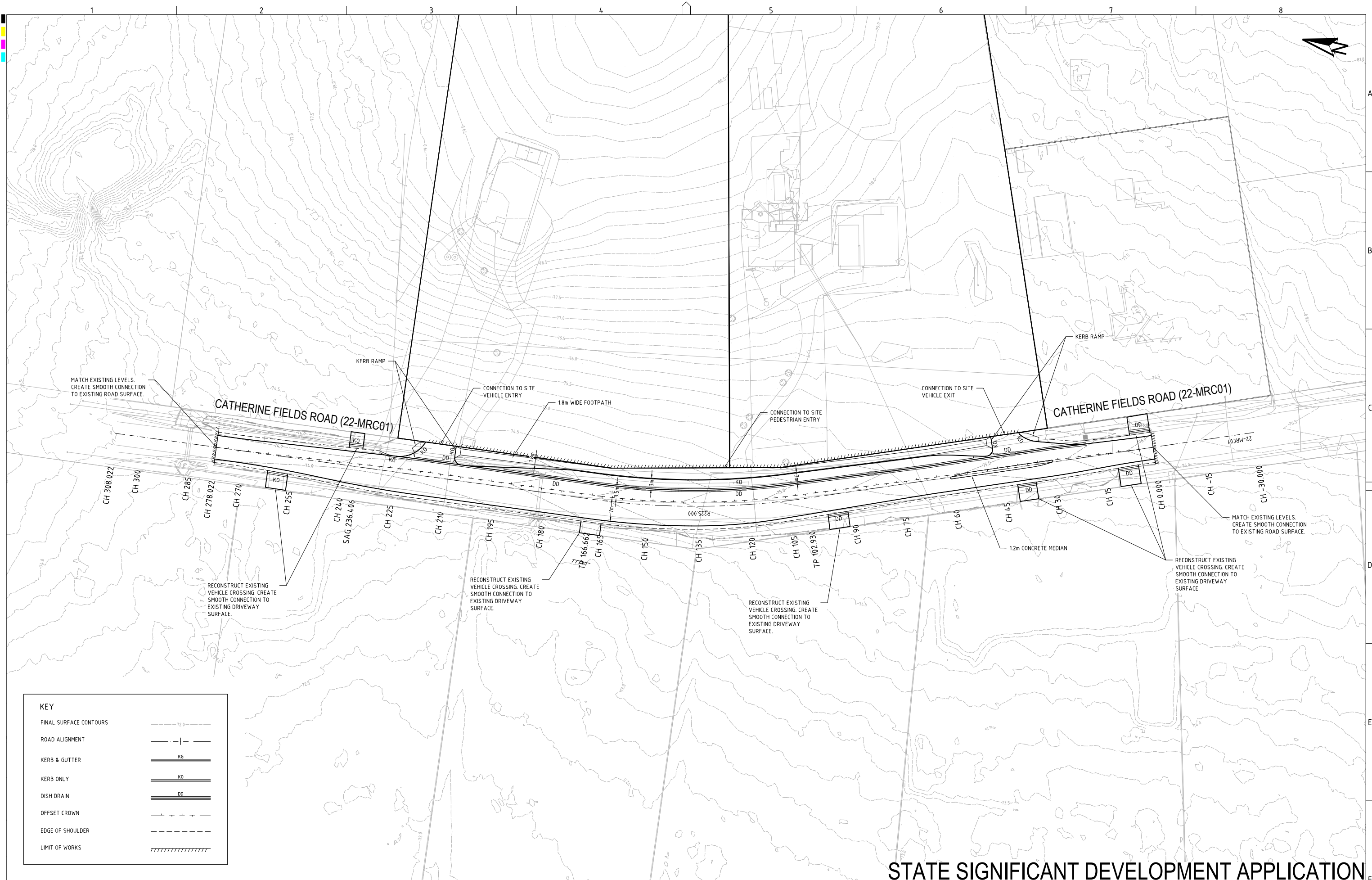
CLIENT
MINARAH COLLEGE
PROJECT NAME/PLANSET TITLE
MINARAH COLLEGE - CATHERINE FIELD
ROADWORKS DESIGN
268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW

	Consulting Engineers	
	Environment	Water
	Geotechnical	Civil
Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767		
Email: mail@martens.com.au Internet: www.martens.com.au		

DRAWING TITLE				
EARTHWORKS CUT & FILL PLAN				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P2108320	PS01	R02	PS01-C500	B

STATE SIGNIFICANT DEVELOPMENT APPLICATION

PRINTED - - - - - USER: BKA/AB/2022/12/14



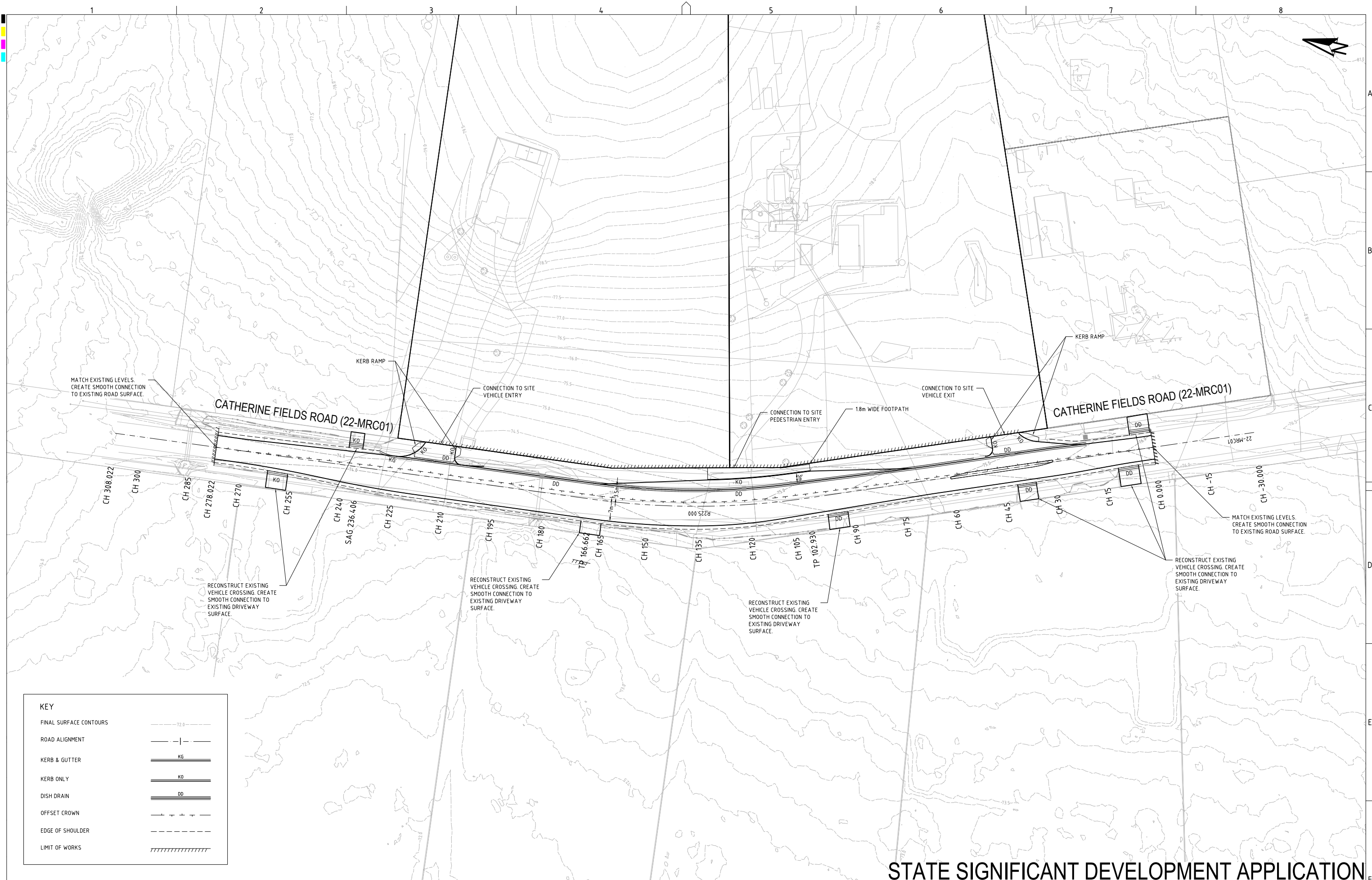
KEY	
FINAL SURFACE CONTOURS	---
ROAD ALIGNMENT	—+—
KERB & GUTTER	KG
KERB ONLY	KO
DISH DRAIN	DD
OFFSET CROWN	—+—+—+—
EDGE OF SHOULDER	---
LIMIT OF WORKS	

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPROV	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT	<div><div>martens</div><div>& Associates Pty Ltd</div></div> <div>Consulting Engineers Environment Water Geotechnical Civil</div>	DRAWING TITLE ROADWORKS PLAN ULTIMATE STAGE				
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH	0 5 10 15 20 25 30 35 40 45 50 A1 (A3) 1:500 (1:1,000)	MGA	mAHD	TH	MINARAH COLLEGE						
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH					PROJECT NAME/PLANSET TITLE MINARAH COLLEGE - CATHERINE FIELD ROADWORKS DESIGN	Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au	PROJECT NO. P2108320	PLANSET NO. PS01	RELEASE NO. R02	DRAWING NO. PS01-D100	REVISION B

DISCLAIMER & COPYRIGHT
This plan must not be used for construction unless signed as approved by principal certifying authority.
All measurements in millimetres unless otherwise specified.
This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd.
(C) Copyright Martens & Associates Pty Ltd

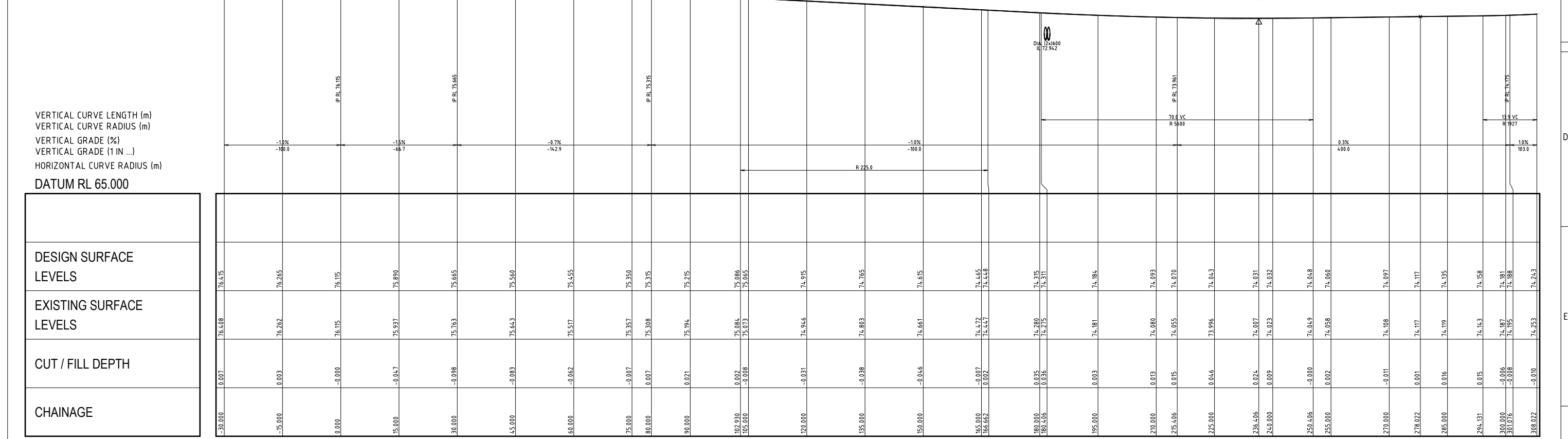
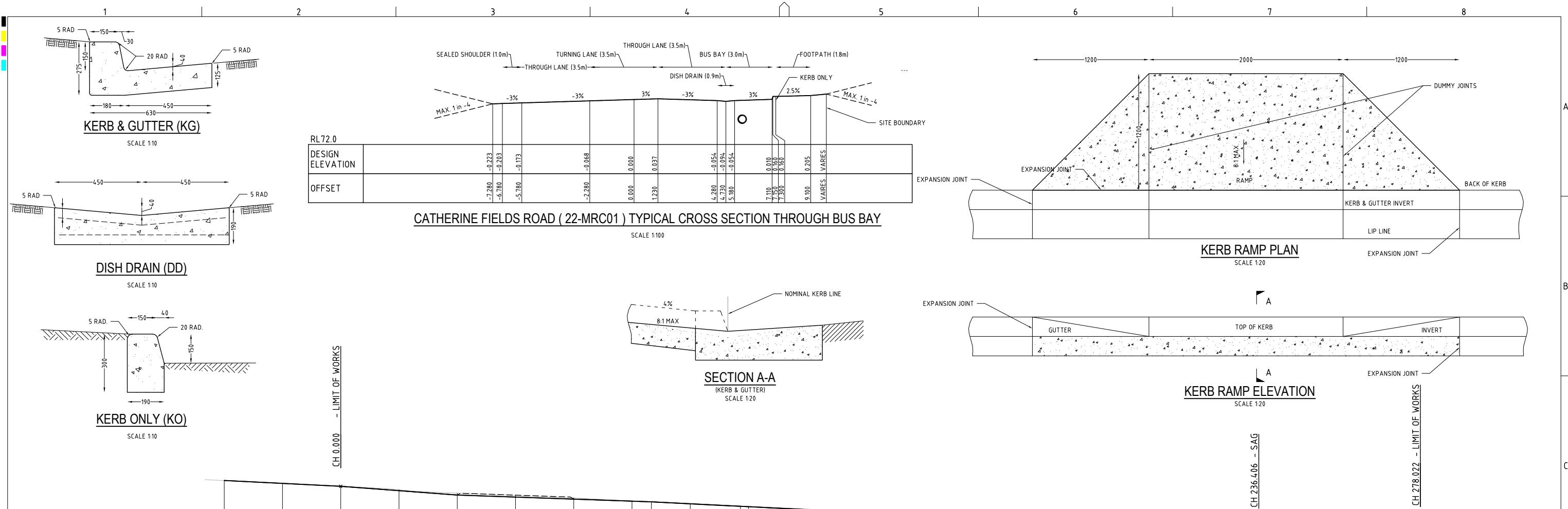
PRINTED: 17/03/2022 14:00:00
A1 / A3 LANDSCAPE (A1LC_02.0.0)

DRAWING ID: P2108320-PS01-R02-D100



KEY	
FINAL SURFACE CONTOURS	---
ROAD ALIGNMENT	—+—
KERB & GUTTER	KG
KERB ONLY	KO
DISH DRAIN	DD
OFFSET CROWN	—+—+—+—
EDGE OF SHOULDER	----
LIMIT OF WORKS	

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT	DRAWING TITLE		PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH	A1 (A3) 1:500 (1:1,000)	MGA	mAHd	TH	MINARAH COLLEGE	ROADWORKS PLAN		P2108320	PS01	R02	PS01-D110	B
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH					MINARAH COLLEGE - CATHERINE FIELD ROADWORKS DESIGN	STAGE 1						
											268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW	martens & Associates Pty Ltd						
												Consulting Engineers						
												Environment						
												Water						
												Geotechnical						
												Civil						
												Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767						
												Email: mail@martens.com.au Internet: www.martens.com.au						
												DRAWING ID: P2108320-PS01-R02-D110						



VERTICAL CURVE LENGTH (m)
VERTICAL CURVE RADIUS (m)
VERTICAL GRADE (%)
VERTICAL GRADE (1 IN ...)
HORIZONTAL CURVE RADIUS (m)
DATUM RL 65.000

DESIGN SURFACE LEVELS
76.415
76.265
76.115
75.890
75.665
75.560
75.455
75.350
75.315
75.215
75.086
75.065
74.915
74.765
74.615
74.465
74.441
74.315
74.311
74.184
74.093
74.070
74.043
74.031
74.032
74.048
74.060
74.097
74.117
74.135
74.158
74.181
74.188
74.243

EXISTING SURFACE LEVELS
76.408
76.262
76.115
75.937
75.763
75.643
75.517
75.357
75.308
75.194
75.084
75.073
74.946
74.803
74.661
74.479
74.441
74.280
74.275
74.181
74.080
74.055
73.996
74.007
74.023
74.049
74.058
74.108
74.117
74.119
74.143
74.187
74.195
74.253

CUT / FILL DEPTH
0.007
0.003
-0.000
-0.047
-0.098
-0.083
-0.062
-0.007
0.007
0.021
0.002
-0.008
-0.031
-0.038
-0.046
-0.007
0.002
0.035
0.036
0.003
0.013
0.015
0.046
0.024
0.009
-0.000
0.002
-0.011
0.001
0.016
0.015
-0.006
-0.008
-0.010

CHAINAGE
-30.000
-15.000
0.000
15.000
30.000
45.000
60.000
75.000
80.000
90.000
102.930
105.000
120.000
135.000
150.000
165.000
180.000
195.000
210.000
215.406
225.000
236.406
240.000
250.406
255.000
270.000
278.022
285.000
294.131
300.000
301.076
308.022

CAUTION

STATE SIGNIFICANT DEVELOPMENT APPLICATION

DISCLAIMER & COPYRIGHT

PROJECT NAME/PLANSET TITLE

268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW

martens & Associates Pty Ltd

Consulting Engineers

Environment Water Geotechnical Civil

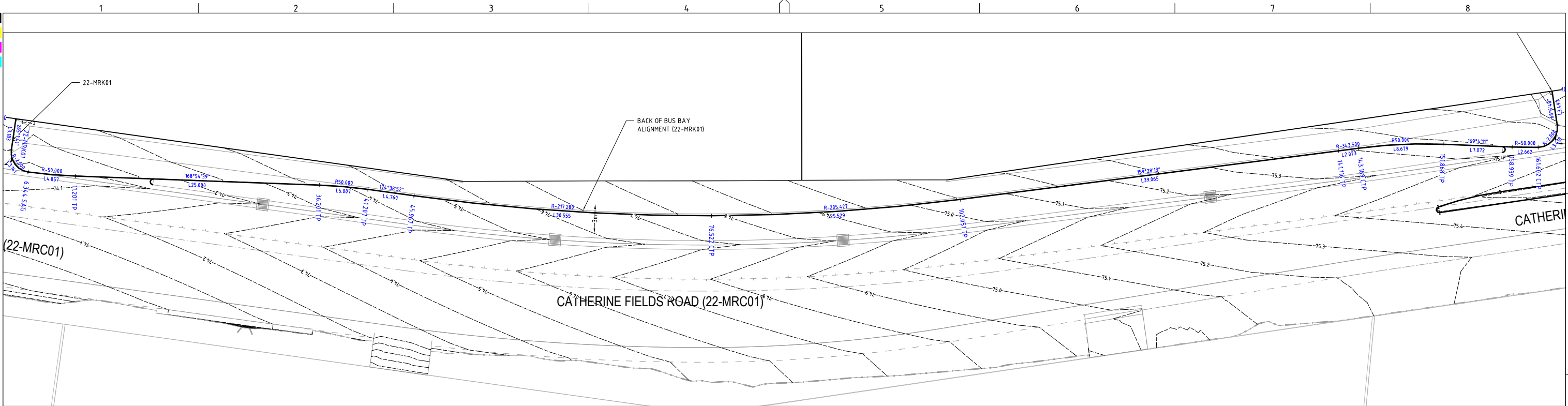
Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au

DRAWING TITLE

CATHERINE FIELDS ROAD LONGITUDINAL, TYPICAL SECTION & DETAILS

PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P2108320	PS01	R02	PS01-D200	B

A1 / A3 LANDSCAPE (A1LC_02.0.0)



BUS BAY INTERSECTION PLAN
SCALE: 1:200

KEY

FINAL SURFACE CONTOURS

-----72.0-----

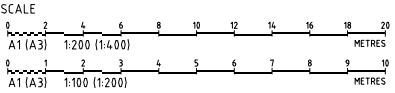
KERB ALIGNMENT

-----+-----

NOTES:
1. FINAL SURFACE CONTOURS ARE BASED ON PROPOSED, EXISTING AND LIDAR SURFACES.

22-MRK01 HORIZONTAL POINTS								
PT	CHAINAG	EASTING	NORTHIN	HEIGHT	BEARING	RAD/SPI	A.LENGTH	DEFL.ANG
IP 1	0.000	292992.346	6237137.128	74.262	265°01'41.03"	RAL		LE
TC	3.183	292989.175	6237276.853	74.105	265°01'41.03"			
IP 2	4.764	292987.163	6237276.678	74.051		R = -2.000	3.161	90°33'07.04"
CC	6.344	292987.357	6237274.668	74.018	174°28'33.99			
IP 3	8.772	292987.591	6237272.249	74.046		R = -50.000	4.857	5°33'55.24"
CT	11.201	292988.059	6237269.864	74.074	168°54'38.75			
TC	36.201	292992.867	6237245.330	74.366	168°54'38.75			
IP 4	38.704	292993.349	6237242.872	74.395		R = 50.000	5.007	5°44'13.58"
CT	41.207	292993.583	6237240.377	74.422	174°38'52.33			
TC	45.967	292994.027	6237235.638	74.470	174°38'52.33			
IP 5	61.245	292995.454	6237220.402	74.628		R = -217.280	30.555	8°03'26.05"
CC	76.522	292999.003	6237205.517	74.786	166°35'26.28"			
IP 6	89.286	293001.967	6237193.084	74.919		R = -205.427	25.529	7°07'12.83"
CT	102.051	293006.449	6237181.115	75.054	159°28'13.45"			
TC	141.116	293020.149	6237144.531	75.394	159°28'13.45"			
IP 7	142.153	293020.512	6237143.560	75.401		R = -343.500	2.073	0°20'44.67"
CC	143.189	293020.882	6237142.592	75.408	159°07'28.78"			
IP 8	147.528	293022.432	6237138.527	75.431		R = 50.000	8.679	9°56'41.73"
CT	151.868	293023.257	6237134.256	75.441	169°04'10.51"			
TC	158.939	293024.597	6237127.313	75.453	169°04'10.51"			
IP 9	160.270	293024.850	6237126.005	75.456		R = -50.000	2.662	3°03'02.80"
CC	161.602	293025.172	6237124.713	75.458	166°01'07.71"			
IP 10	163.310	293025.727	6237122.484	75.499		R = -2.000	3.418	97°54'20.03"
CT	165.019	293027.858	6237123.341	75.605	68°06'47.68"			
IP 11	168.516	293031.103	6237124.644	75.864	68°06'47.68"			

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH



GRID

MGA

DATUM

mAHD

PROJECT MANAGER

TH

CLIENT

MINARAH COLLEGE

PROJECT NAME/PLANSET TITLE

MINARAH COLLEGE - CATHERINE FIELD

ROADWORKS DESIGN

268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW

DISCLAIMER & COPYRIGHT

This plan must not be used for construction unless signed as approved by principal certifying authority.
All measurements in millimetres unless otherwise specified.
This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd.
(C) Copyright Martens & Associates Pty Ltd

STATE SIGNIFICANT DEVELOPMENT APPLICATION

Consulting Engineers
Environment
Water
Geotechnical
Civil

PROJECT NO.

P2108320

PLANSET NO.

PS01

RELEASE NO.

R02

DRAWING NO.

PS01-D300

REVISION

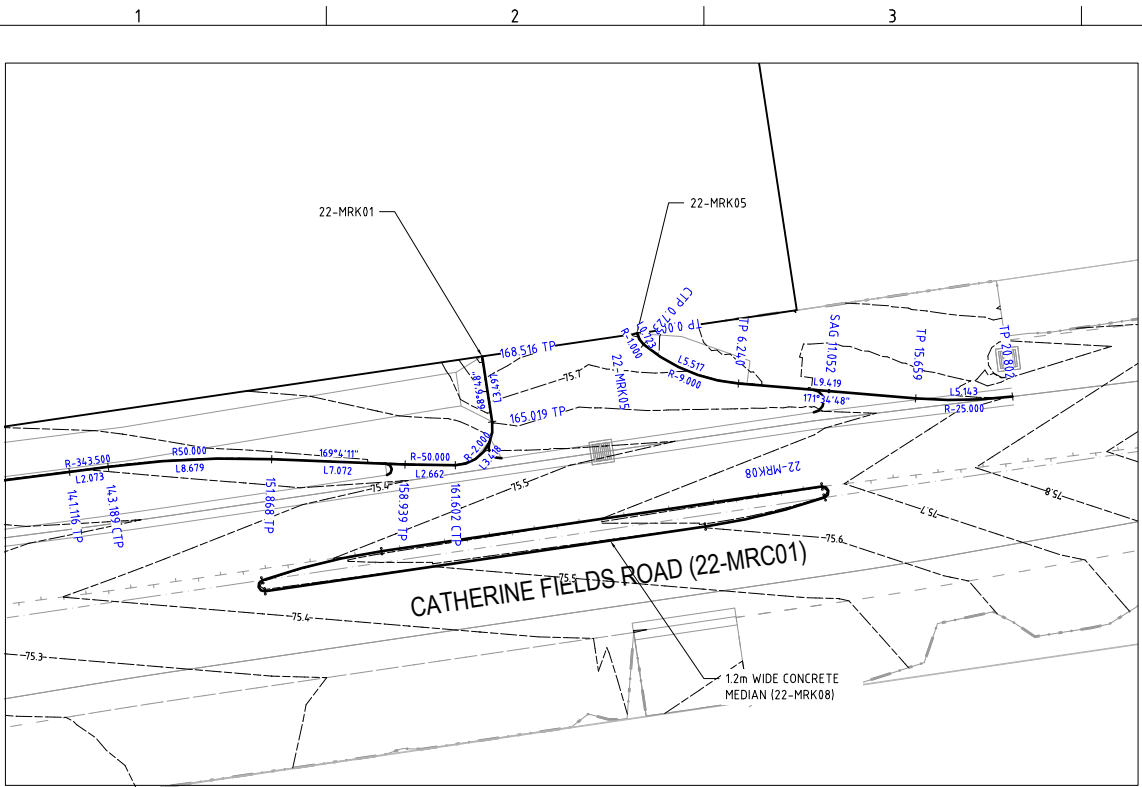
B

DRAWING TITLE

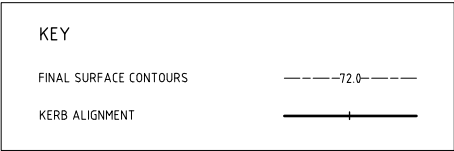
BUS BAY INTERSECTION PLAN
AND SETOUT TABLE (22-MRK01)

DRAWING ID: P2108320-PS01-R02-D300

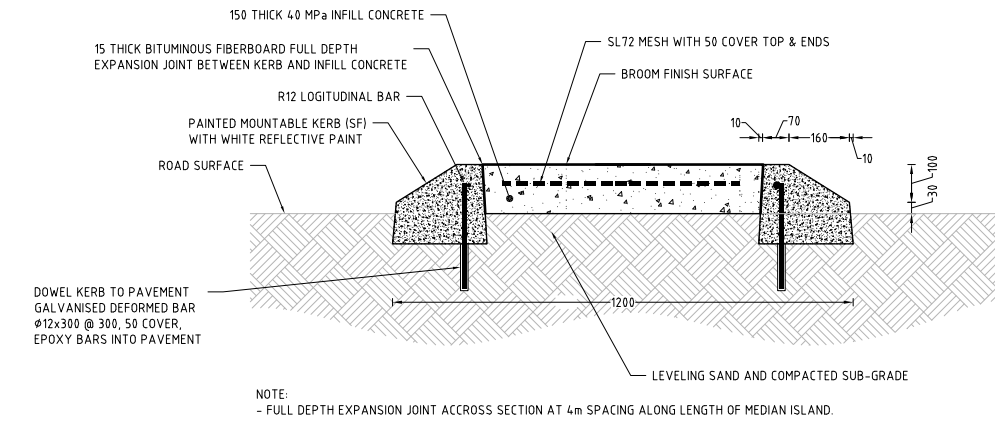
0 1 2 3 4 5 6 7 8 9 10



SITE EXIT INTERSECTION
SCALE: 1:200



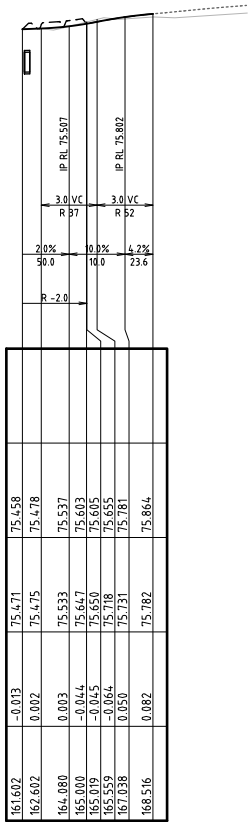
NOTES:
1. FINAL SURFACE CONTOURS ARE BASED ON PROPOSED, EXISTING AND LIDAR SURFACES.



CONCRETE MEDIAN TYPICAL CROSS SECTION
SCALE 1:10

VERTICAL CURVE LENGTH (m)
VERTICAL CURVE RADIUS (m)
VERTICAL GRADE (%)
VERTICAL GRADE (1 IN ...)
HORIZONTAL CURVE RADIUS (m)
DATUM RL 67.000

DESIGN SURFACE LEVELS
EXISTING SURFACE LEVELS
CUT / FILL DEPTH
CHAINAGE

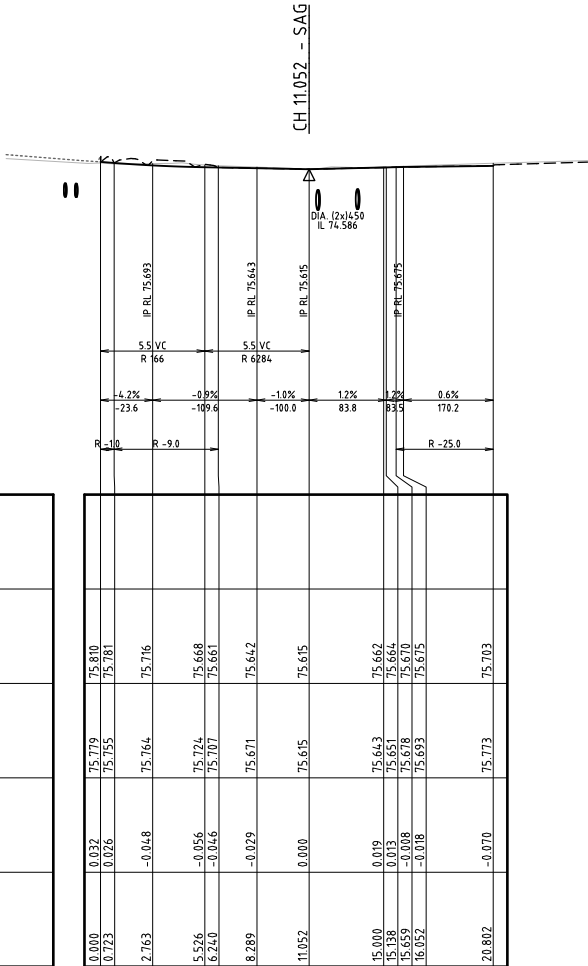


KERB RETURN (22-MRK01) LONG. SECTION (ON LIP)

SCALE: HORIZONTAL - 1:200
VERTICAL - 1:100

VERTICAL CURVE LENGTH (m)
VERTICAL CURVE RADIUS (m)
VERTICAL GRADE (%)
VERTICAL GRADE (1 IN ...)
HORIZONTAL CURVE RADIUS (m)
DATUM RL 67.000

DESIGN SURFACE LEVELS
EXISTING SURFACE LEVELS
CUT / FILL DEPTH
CHAINAGE

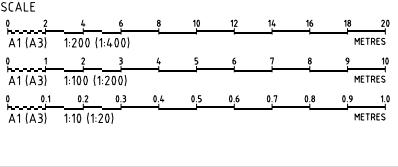


KERB RETURN (22-MRK05) LONG. SECTION (ON LIP)

SCALE: HORIZONTAL - 1:200
VERTICAL - 1:100

STATE SIGNIFICANT DEVELOPMENT APPLICATION

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPROVD
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH

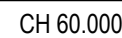
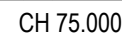
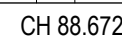
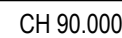
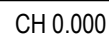
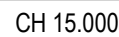
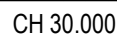
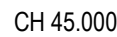


GRID
MGA
DATUM
mAHD
PROJECT MANAGER
TH
CLIENT
MINARAH COLLEGE
PROJECT NAME/PLANSET TITLE
MINARAH COLLEGE - CATHERINE FIELD
ROADWORKS DESIGN
268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW
DISCLAIMER & COPYRIGHT
This plan must not be used for construction unless signed as approved by principal certifying authority.
All measurements in millimetres unless otherwise specified.
This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd.
(C) Copyright Martens & Associates Pty Ltd

Consulting Engineers
Environment
Water
Geotechnical
Civil
Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767
Email: mail@martens.com.au Internet: www.martens.com.au

DRAWING TITLE
SITE EXIT INTERSECTION PLAN,
SECTIONS AND SETOUT TABLE
(22-MRK01, 22-MRK05 & 22-MRK08)
PROJECT NO.
P2108320
PLANSET NO.
PS01
RELEASE NO.
R02
DRAWING NO.
PS01-D302
REVISION
B

PRINTED - - - - - USER: RICKA.ANDRIAN
A1 / A3 LANDSCAPE (A1LC_02.0.01)
DRAWING ID: P2108320-PS01-R02-D302

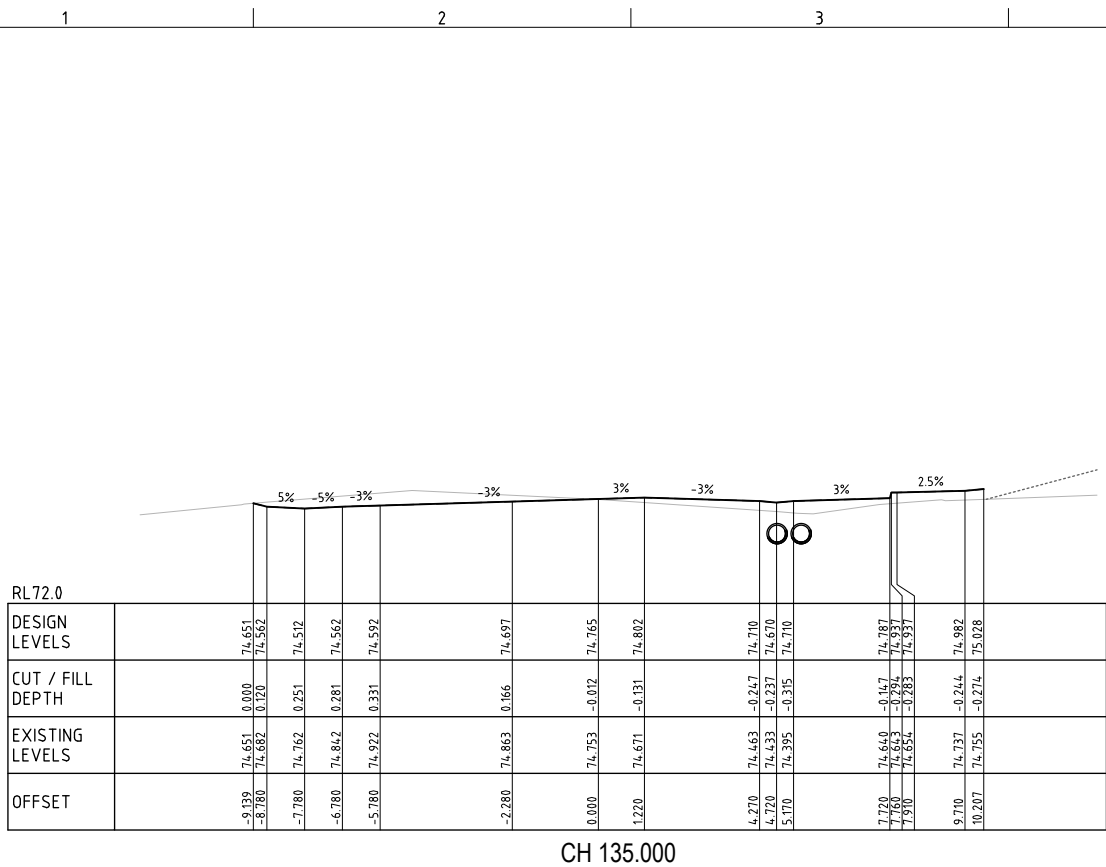
SCALE

DISCLAIMER & COPYRIGHT
This plan must not be used for construction unless signed as approved by principal certifying authority.
All measurements in millimetres unless otherwise specified.
This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd.
(C) Copyright Martens & Associates Pty Ltd

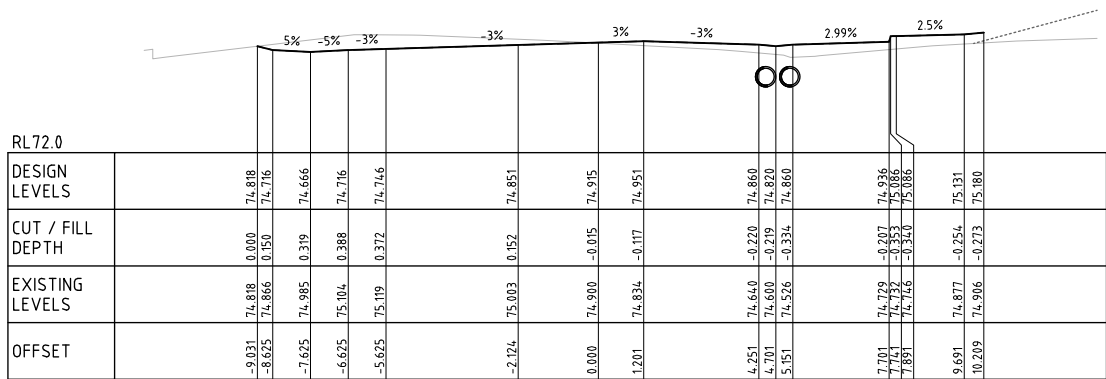


DRAWING TITLE				
CATHERINE FIELDS ROAD CROSS SECTIONS SHEET 1				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P2108320	PS01	R02	PS01-D500	B

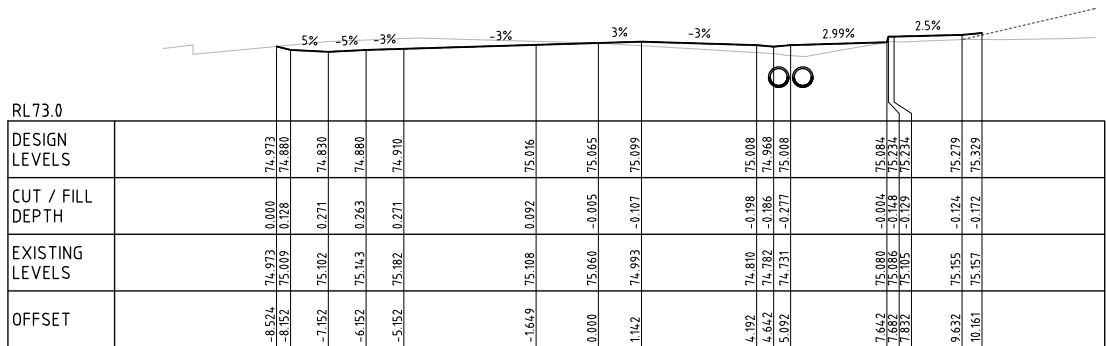
STATE SIGNIFICANT DEVELOPMENT APPLICATION



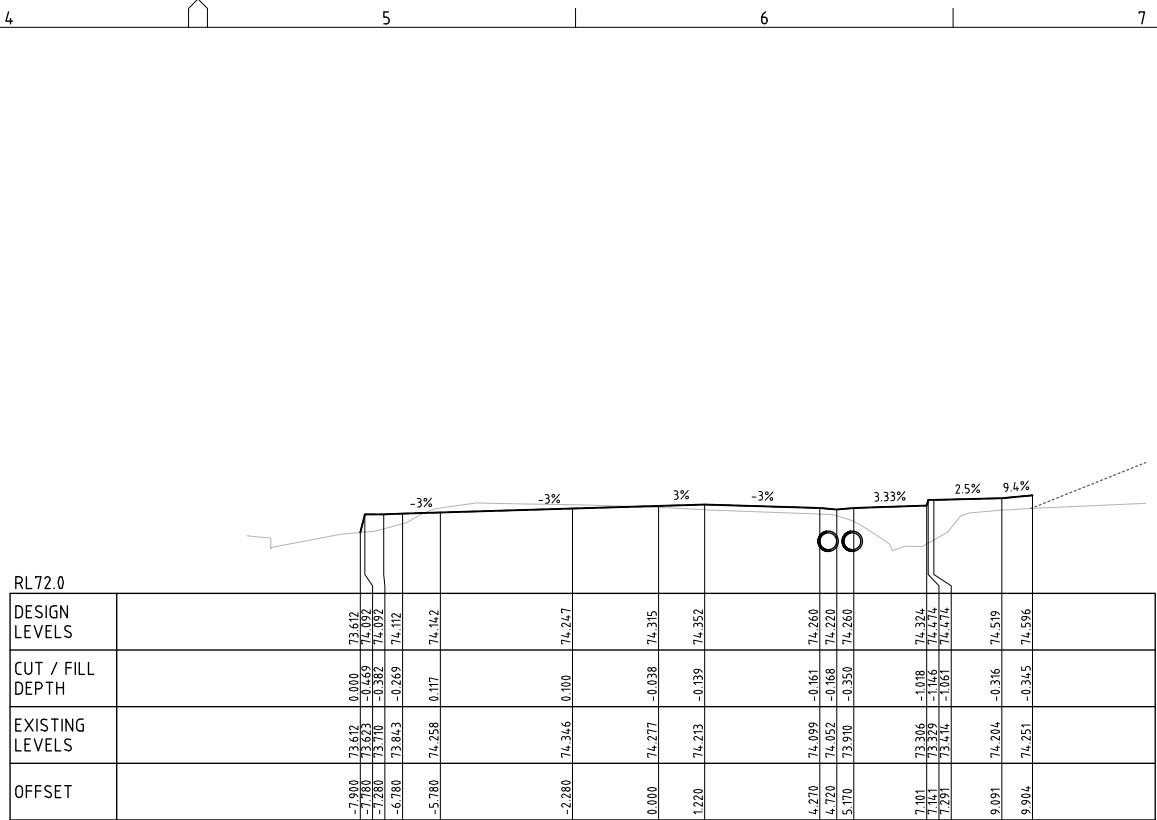
CH 135.000



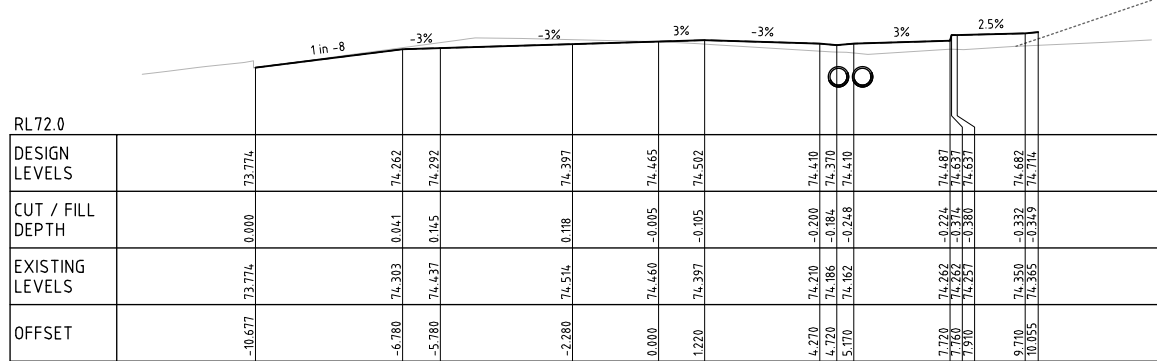
CH 120.000



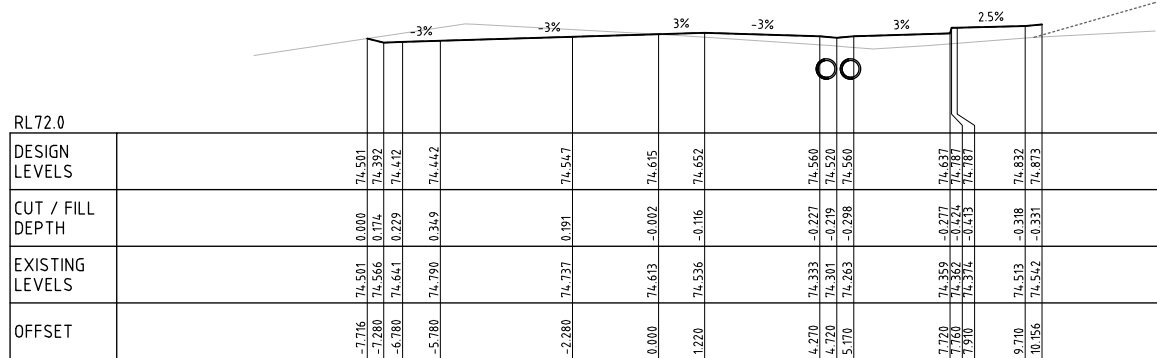
CH 105.000



CH 180.000



CH 165.000



CH 150.000

STATE SIGNIFICANT DEVELOPMENT APPLICATION

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPROV'D	SCALE
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH	
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH	

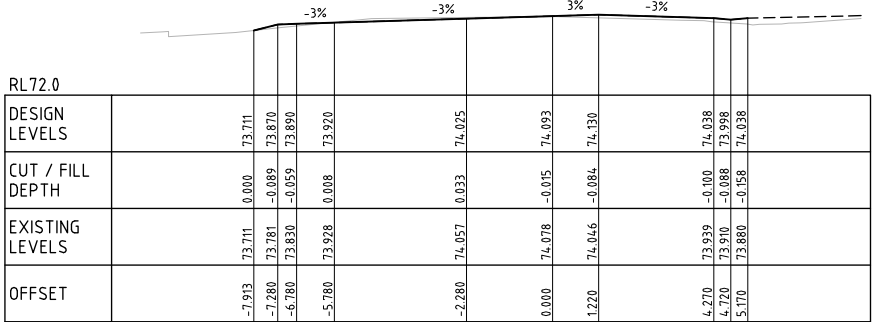
GRID	DATUM	PROJECT MANAGER	CLIENT
MGA	mAHD	TH	MINARAH COLLEGE
DISCLAIMER & COPYRIGHT			
This plan must not be used for construction unless signed as approved by principal certifying authority.			
All measurements in millimetres unless otherwise specified.			
This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd.			
(C) Copyright Martens & Associates Pty Ltd			
PROJECT NAME/PLANSET TITLE			MINARAH COLLEGE - CATHERINE FIELD
			ROADWORKS DESIGN
			268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW



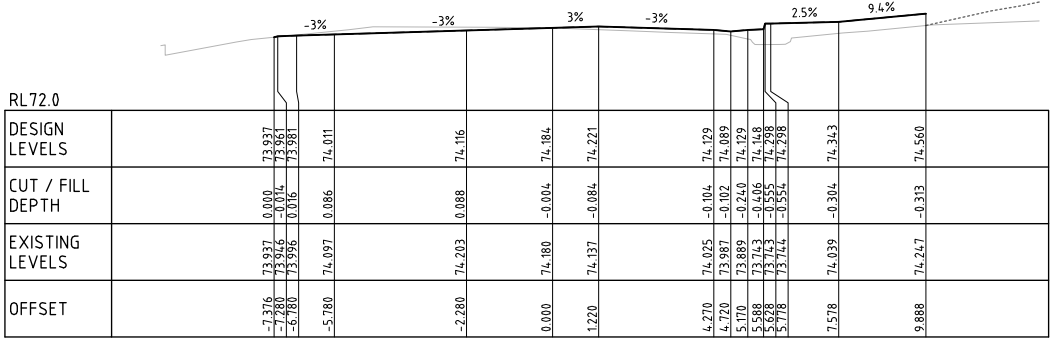
Consulting Engineers
Environment
Water
Geotechnical
Civil

Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767
Email: mail@martens.com.au Internet: www.martens.com.au

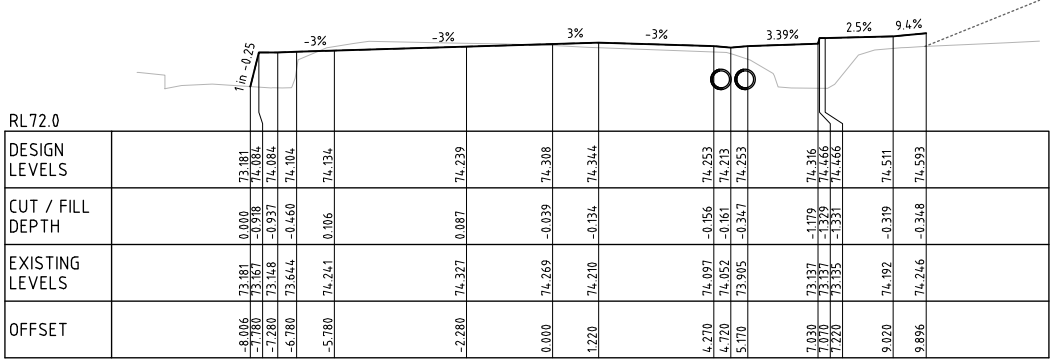
DRAWING TITLE				
CATHERINE FIELDS ROAD CROSS SECTIONS SHEET 2				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P2108320	PS01	R02	PS01-D501	B



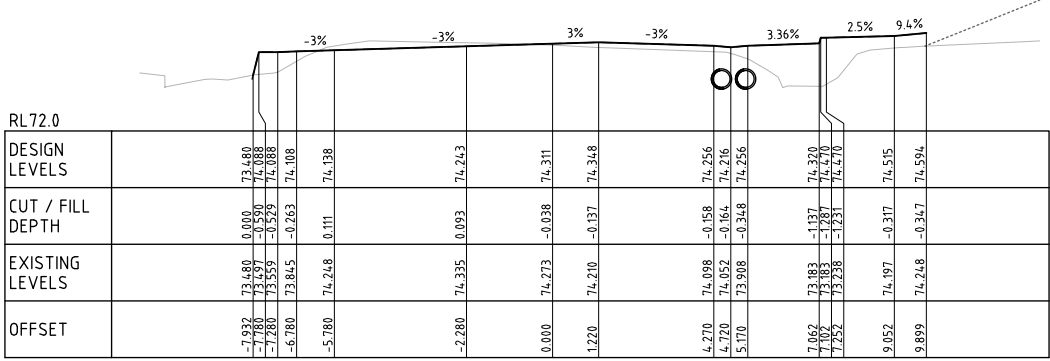
CH 210.000



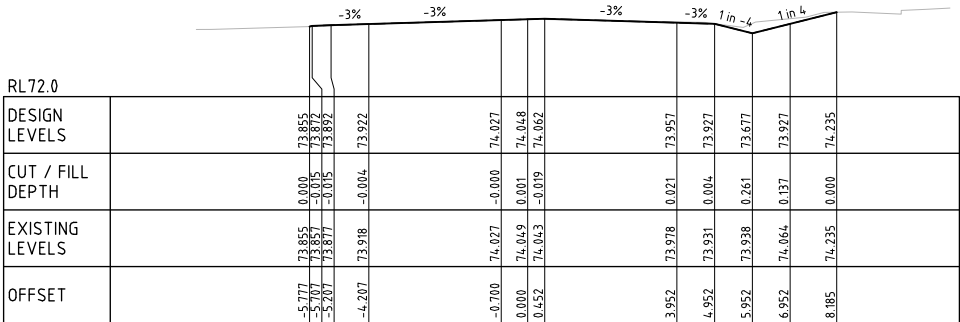
CH 195.000



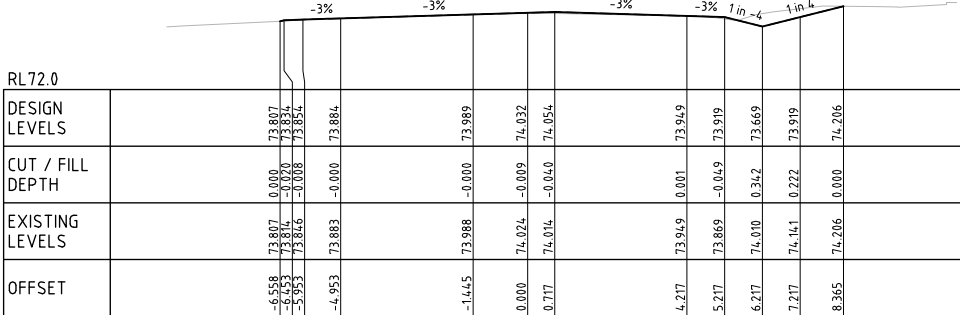
CH 180.730



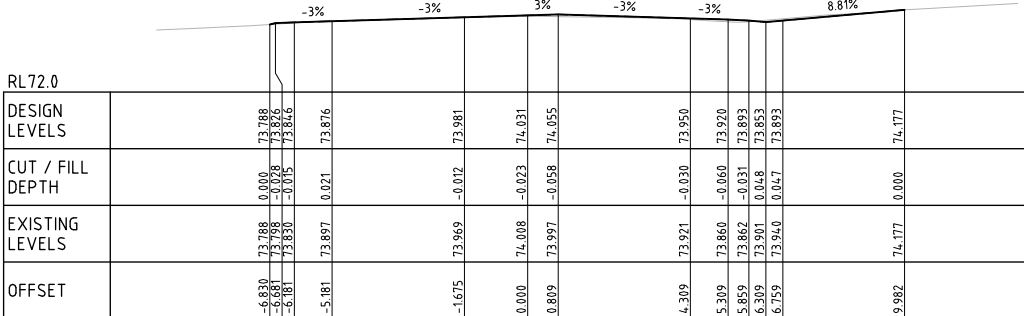
CH 180.406



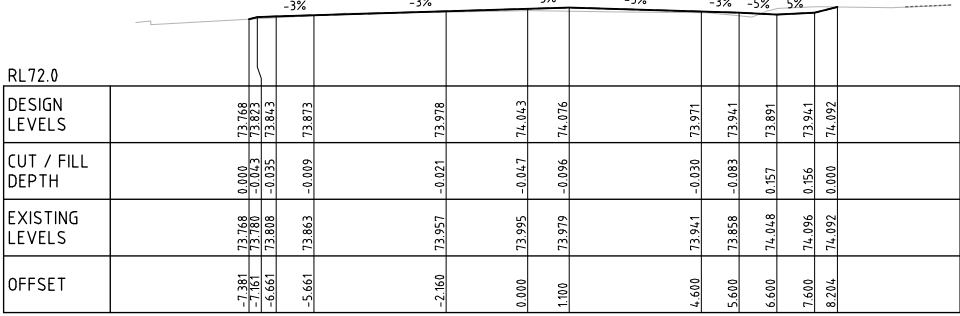
CH 250.406



CH 240.000



CH 236.406



CH 225.000

STATE SIGNIFICANT DEVELOPMENT APPLICATION

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH	
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH	

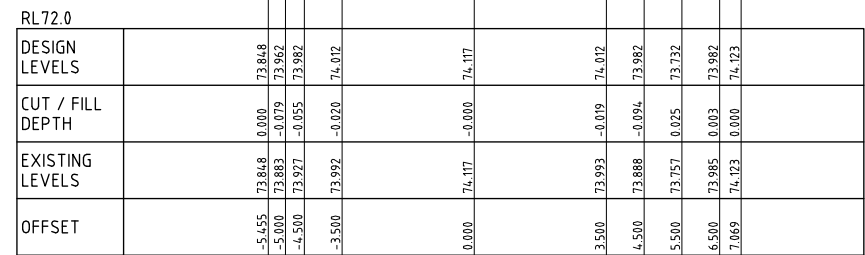
GRID MGA	DATUM mAHD	PROJECT MANAGER TH	CLIENT MINARAH COLLEGE
DISCLAIMER & COPYRIGHT This plan must not be used for construction unless signed as approved by principal certifying authority. All measurements in millimetres unless otherwise specified. This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd. (C) Copyright Martens & Associates Pty Ltd			
PROJECT NAME/PLANSET TITLE MINARAH COLLEGE - CATHERINE FIELD ROADWORKS DESIGN 268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW			



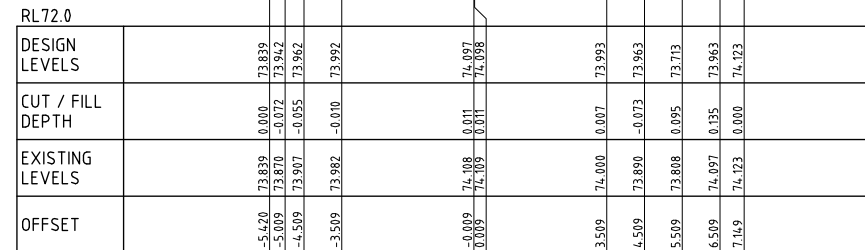
Consulting Engineers
Environment
Water
Geotechnical
Civil

Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767
Email: mail@martens.com.au Internet: www.martens.com.au

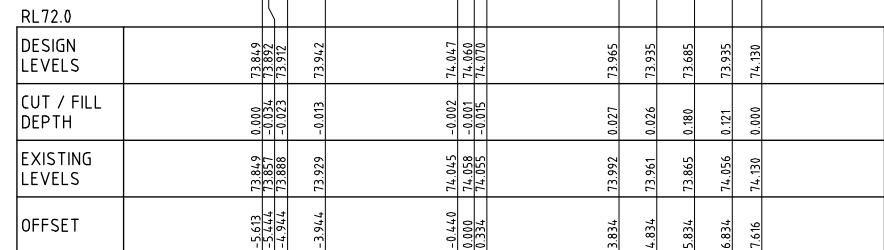
DRAWING TITLE CATHERINE FIELDS ROAD CROSS SECTIONS SHEET 3				
PROJECT NO. P2108320	PLANSET NO. PS01	RELEASE NO. R02	DRAWING NO. PS01-D502	REVISION B



CH 277.831



CH 270.000



CH 255.000

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH

GRID	DATUM	PROJECT MANAGER	CLIENT
MGA	mAHD	TH	MINARAH COLLEGE
DISCLAIMER & COPYRIGHT This plan must not be used for construction unless signed as approved by principal certifying authority. All measurements in millimetres unless otherwise specified. This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd. (C) Copyright Martens & Associates Pty Ltd			PROJECT NAME/PLANSET TITLE MINARAH COLLEGE - CATHERINE FIELD ROADWORKS DESIGN 268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW

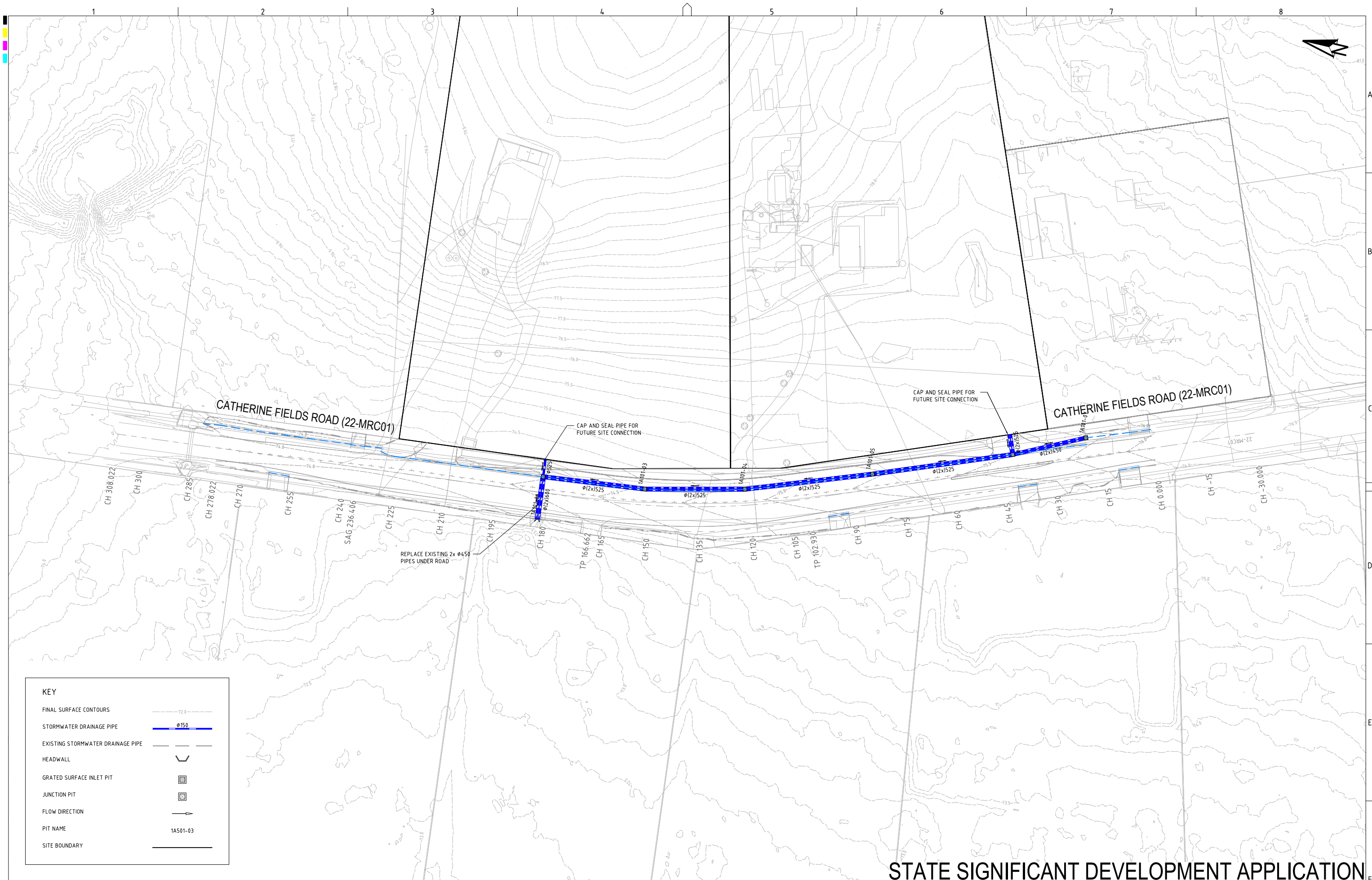
 **martens**
& Associates Pty Ltd

Consulting Engineers
Environment
Water
Geotechnical
Civil

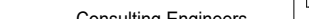

Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767
Email: mail@martens.com.au Internet: www.martens.com.au

DRAWING TITLE				
CATHERINE FIELDS ROAD CROSS SECTIONS SHEET 4				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P2108320	PS01	R02	PS01-D503	B

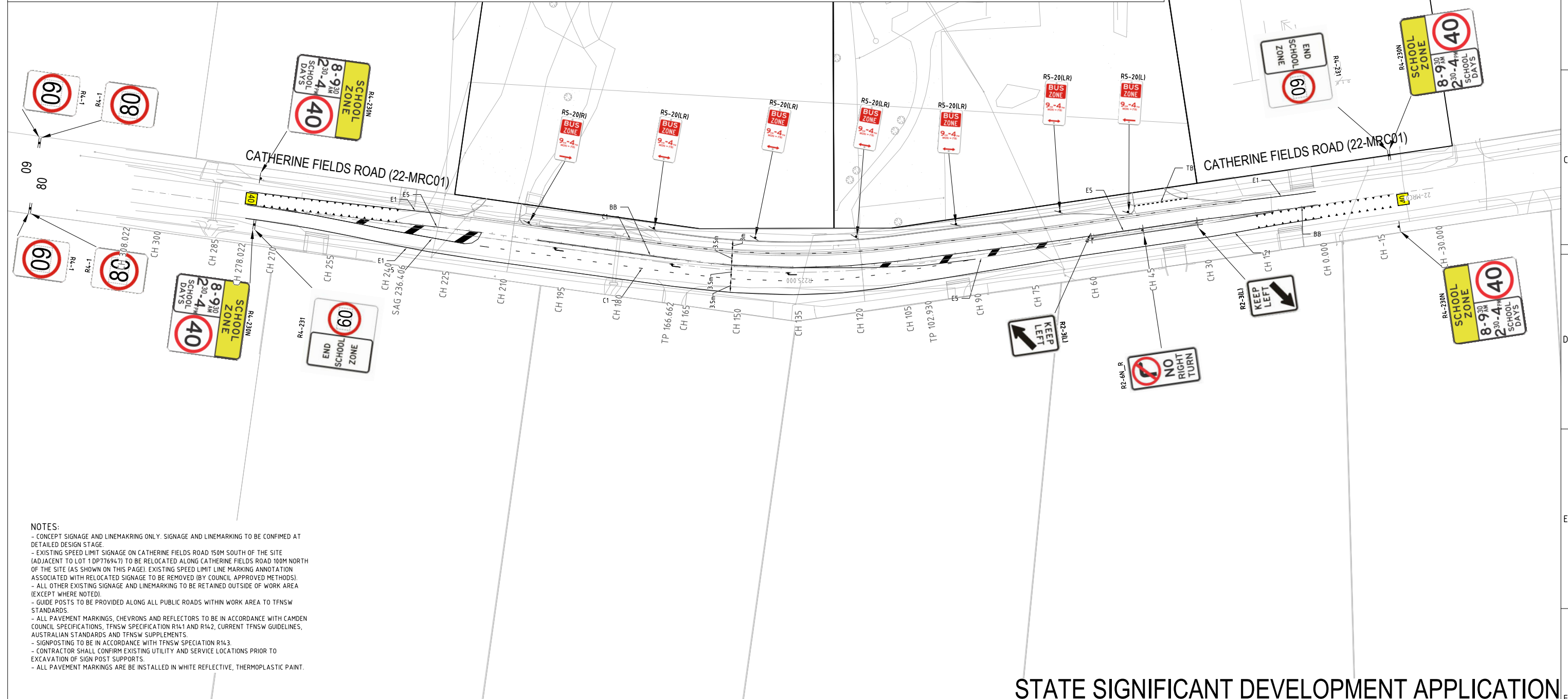
STATE SIGNIFICANT DEVELOPMENT APPLICATION



STATE SIGNIFICANT DEVELOPMENT APPLICATION

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT	<div><div>Consulting Engineers</div><div>Environment Water Geotechnical Civil</div></div>	DRAWING TITLE DRAINAGE PLAN			
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH		MGA	mAHD	TH	MINARAH COLLEGE					
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH		DISCLAIMER & COPYRIGHT This plan must not be used for construction unless signed as approved by principal certifying authority. All measurements in millimetres unless otherwise specified. This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd (C) Copyright Martens & Associates Pty Ltd	PROJECT NAME/PLANSET TITLE MINARAH COLLEGE - CATHERINE FIELD ROADWORKS DESIGN 268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW							
														Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au		
A1 / A3 LANDSCAPE (A3) v02.0.01												PROJECT NO. P2108320	PLANSET NO. PS01	RELEASE NO. R02	DRAWING NO. PS01-E100	REVISION B

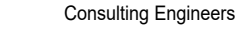
LINE TYPE	USE	DIMENSIONS (m) (FOR DIMENSIONS SHOWN × SEE MARKER SPACING COLUMN.)	COLOUR	RAISED MARKER TYPE	MARKER SPACING () (m)		LINE TYPE	USE	DIMENSIONS (m) (FOR DIMENSIONS SHOWN × SEE MARKER SPACING COLUMN.)	COLOUR	RAISED MARKER TYPE	MARKER SPACING () (m)	
					NORMAL SPACING (A)	ALTERNATIVE SPACING (B)						NORMAL SPACING (A)	ALTERNATIVE SPACING (B)
BB	1. REPLACES DIVIDING (SEPARATION) LINE IF RESTRICTED SIGHT DISTANCE FOR BOTH DIRECTIONS		WHITE		12	12	E1	LEFT HAND EDGE LINE ON GENERAL PURPOSE ROAD		WHITE	R	24	12
	OR						ES	OUTLINE OF PAINTED MEDIAN		WHITE		12	12
	2. APPROACH TO MEDIAN ISLAND												
C1	OR												
	3. APPROACHES TO A PEDESTRIAN CROSSING												
	DEFINES EDGE OF THROUGH CARRIAGEWAY ADJACENT TO TURNING LANE, FREEWAY RAMP, BUS BAY AND START OR FINISH OF AUXILIARY LANE		WHITE	W	8	8	TB	GIVE WAY LINE (USED WITH SIGNS)		WHITE	NOT REQUIRED	-	-



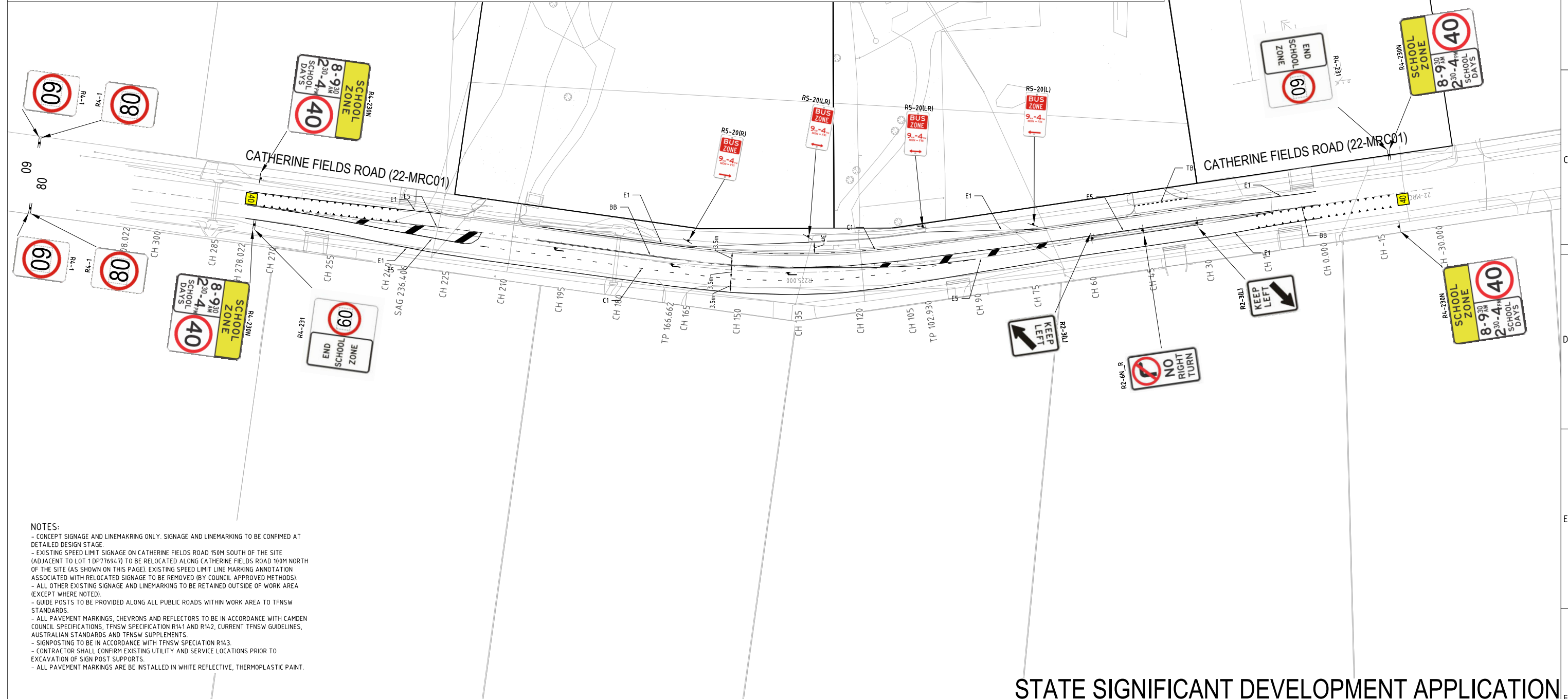
NOTES:

- CONCEPT SIGNAGE AND LINEMAKING ONLY. SIGNAGE AND LINEMAKING TO BE CONFIRMED AT DETAILED DESIGN STAGE.
- EXISTING SPEED LIMIT SIGNAGE ON CATHERINE FIELDS ROAD 150M SOUTH OF THE SITE (ADJACENT TO LOT 1 DP776947) TO BE RELOCATED ALONG CATHERINE FIELDS ROAD 100M NORTH OF THE SITE (AS SHOWN ON THIS PAGE). EXISTING SPEED LIMIT LINE MARKING ANNOTATION ASSOCIATED WITH RELOCATED SIGNAGE TO BE REMOVED (BY COUNCIL APPROVED METHODS).
- ALL OTHER EXISTING SIGNAGE AND LINEMAKING TO BE RETAINED OUTSIDE OF WORK AREA (EXCEPT WHERE NOTED).
- GUIDE POSTS TO BE PROVIDED ALONG ALL PUBLIC ROADS WITHIN WORK AREA TO TFNSW STANDARDS.
- ALL PAVEMENT MARKINGS, CHEVRONS AND REFLECTORS TO BE IN ACCORDANCE WITH CAMDEN COUNCIL SPECIFICATIONS, TFNSW SPECIFICATION R141 AND R142, CURRENT TFNSW GUIDELINES, AUSTRALIAN STANDARDS AND TFNSW SUPPLEMENTS.
- SIGNPOSTING TO BE IN ACCORDANCE WITH TFNSW SPECIFICATION R143.
- CONTRACTOR SHALL CONFIRM EXISTING UTILITY AND SERVICE LOCATIONS PRIOR TO EXCAVATION OF SIGN POST SUPPORTS.
- ALL PAVEMENT MARKINGS ARE BE INSTALLED IN WHITE REFLECTIVE, THERMOPLASTIC PAINT.

STATE SIGNIFICANT DEVELOPMENT APPLICATION

REV		DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT	CONSULTING ENGINEERS	DRAWING TITLE			
B		MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH										
A		INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH	A1 (A3) 1:500 (1:1,000)	MGA	mAHD	TH	MINARAH COLLEGE	Consulting Engineers	CONCEPT SIGNAGE & LINEMARKING PLAN ULTIMATE STAGE			
								DISCLAIMER & COPYRIGHT		PROJECT NAME/PLANSET TITLE					Environment Water Geotechnical Civil		
								This plan must not be used for construction unless signed as approved by principal certifying authority.		MINARAH COLLEGE - CATHERINE FIELD ROADWORKS DESIGN							
								All measurements in millimetres unless otherwise specified.		268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW							
								This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd.		Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au							
								(C) Copyright Martens & Associates Pty Ltd									



LINE TYPE	USE	DIMENSIONS (m) (FOR DIMENSIONS SHOWN × SEE MARKER SPACING COLUMN.)	COLOUR	RAISED MARKER TYPE	MARKER SPACING () (m)		LINE TYPE	USE	DIMENSIONS (m) (FOR DIMENSIONS SHOWN × SEE MARKER SPACING COLUMN.)	COLOUR	RAISED MARKER TYPE	MARKER SPACING () (m)	
					NORMAL SPACING (A)	ALTERNATIVE SPACING (B)						NORMAL SPACING (A)	ALTERNATIVE SPACING (B)
BB	1. REPLACES DIVIDING (SEPARATION) LINE IF RESTRICTED SIGHT DISTANCE FOR BOTH DIRECTIONS		WHITE		12	12	E1	LEFT HAND EDGE LINE ON GENERAL PURPOSE ROAD		WHITE	R	24	12
	2. APPROACH TO MEDIAN ISLAND						E5	OUTLINE OF PAINTED MEDIAN		WHITE		12	12
	3. APPROACHES TO A PEDESTRIAN CROSSING												
C1	DEFINES EDGE OF THROUGH CARRIAGEWAY ADJACENT TO TURNING LANE, FREEWAY RAMP, BUS BAY AND START OR FINISH OF AUXILIARY LANE		WHITE	W	8	8	TB	GIVE WAY LINE (USED WITH SIGNS)		WHITE	NOT REQUIRED	-	-



NOTES:

- CONCEPT SIGNAGE AND LINEMAKING ONLY. SIGNAGE AND LINEMAKING TO BE CONFIRMED AT DETAILED DESIGN STAGE.
- EXISTING SPEED LIMIT SIGNAGE ON CATHERINE FIELDS ROAD 150M SOUTH OF THE SITE (ADJACENT TO LOT 1 DP776947) TO BE RELOCATED ALONG CATHERINE FIELDS ROAD 100M NORTH OF THE SITE (AS SHOWN ON THIS PAGE). EXISTING SPEED LIMIT LINE MARKING ANNOTATION ASSOCIATED WITH RELOCATED SIGNAGE TO BE REMOVED (BY COUNCIL APPROVED METHODS).
- ALL OTHER EXISTING SIGNAGE AND LINEMAKING TO BE RETAINED OUTSIDE OF WORK AREA (EXCEPT WHERE NOTED).
- GUIDE POSTS TO BE PROVIDED ALONG ALL PUBLIC ROADS WITHIN WORK AREA TO TfNSW STANDARDS.
- ALL PAVEMENT MARKINGS, CHEVRONS AND REFLECTORS TO BE IN ACCORDANCE WITH CAMDEN COUNCIL SPECIFICATIONS, TfNSW SPECIFICATION R141 AND R142, CURRENT TfNSW GUIDELINES, AUSTRALIAN STANDARDS AND TfNSW SUPPLEMENTS.
- SIGNPOSTING TO BE IN ACCORDANCE WITH TfNSW SPECIFICATION R143.
- CONTRACTOR SHALL CONFIRM EXISTING UTILITY AND SERVICE LOCATIONS PRIOR TO EXCAVATION OF SIGN POST SUPPORTS.
- ALL PAVEMENT MARKINGS ARE BE INSTALLED IN WHITE REFLECTIVE, THERMOPLASTIC PAINT.

STATE SIGNIFICANT DEVELOPMENT APPLICATION

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE  A1 (A3) 1:500 (1:1,000)	GRID MGA	DATUM mAHD	PROJECT MANAGER TH	CLIENT MINARAH COLLEGE	 Consulting Engineers Environment Water Geotechnical Civil	DRAWING TITLE CONCEPT SIGNAGE & LINEMARKING PLAN STAGE 1			
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH										
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH										
A1 / A3 LANDSCAPE (A1,C_v02.0.0)																

DISCLAIMER & COPYRIGHT

This plan must not be used for construction unless signed as approved by principal certifying authority.

All measurements in millimetres unless otherwise specified.

This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd.

(C) Copyright Martens & Associates Pty Ltd

PROJECT NAME/PLANSET TITLE

MINARAH COLLEGE - CATHERINE FIELD

ROADWORKS DESIGN

268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW

Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767

Email: mail@martens.com.au Internet: www.martens.com.au

PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P2108320	PS01	R02	PS01-G401	B

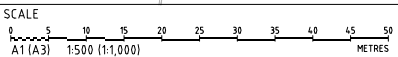
DRAWING ID: P2108320-PS01-R02-G401



PAVEMENT DETAILS	
KEY	TYPE
	TYPE A - BUS BAY CONCRETE PAVEMENT
	TYPE B - SCHOOL ACCESSWAY DRIVEWAY PAVEMENT
	TYPE C - CATHERINE FIELDS ROAD PAVEMENT
	TYPE D - SEALED VEHICLE CROSSING
	TYPE E - CONCRETE FOOTPATH PAVEMENT

NOTES:
- CONCEPT PAVEMENT LAYOUT. PAVEMENT DESIGN TO BE PROVIDED AT DETAILED DESIGN STAGE.
- ROAD SHOULDERS ARE TO BE SEALED.
- EXISTING PAVEMENT TO BE REMOVED WITHIN WORK AREA WHERE REQUIRED.

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH



GRID	DATUM	PROJECT MANAGER	CLIENT
MGA	mAHD	TH	MINARAH COLLEGE
DISCLAIMER & COPYRIGHT			
This plan must not be used for construction unless signed as approved by principal certifying authority.			
All measurements in millimetres unless otherwise specified.			
This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd.			
(C) Copyright Martens & Associates Pty Ltd			

PROJECT NAME/PLANSET TITLE
MINARAH COLLEGE - CATHERINE FIELD ROADWORKS DESIGN
268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW



Consulting Engineers
Environment
Water
Geotechnical
Civil

Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767
Email: mail@martens.com.au Internet: www.martens.com.au

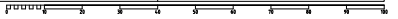
DRAWING TITLE				
CONCEPT PAVEMENT DESIGN ULTIMATE STAGE				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P2108320	PS01	R02	PS01-G450	B

STATE SIGNIFICANT DEVELOPMENT APPLICATION

PRINTED: 14/04/2022 14:00:00 - USER: RICK.ANDREAZZA

A1 / A3 LANDSCAPE (A1LC_v02.0.0)

DRAWING ID: P2108320-PS01-R02-G450

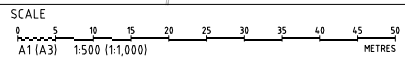




PAVEMENT DETAILS	
KEY	TYPE
	TYPE A - BUS BAY CONCRETE PAVEMENT
	TYPE B - SCHOOL ACCESSWAY DRIVEWAY PAVEMENT
	TYPE C - CATHERINE FIELDS ROAD PAVEMENT
	TYPE D - SEALED VEHICLE CROSSING
	TYPE E - CONCRETE FOOTPATH PAVEMENT

NOTES:
- CONCEPT PAVEMENT LAYOUT. PAVEMENT DESIGN TO BE PROVIDED AT DETAILED DESIGN STAGE.
- ROAD SHOULDERS ARE TO BE SEALED.
- EXISTING PAVEMENT TO BE REMOVED WITHIN WORK AREA WHERE REQUIRED.

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
B	MINOR AMENDMENTS	14/04/2022	NN	CG/AVG	CG/AVG	TH
A	INITIAL RELEASE	17/03/2022	JS/NN	CG/AVG	CG/AVG	TH



GRID	DATUM	PROJECT MANAGER	CLIENT
MGA	mAHD	TH	MINARAH COLLEGE
DISCLAIMER & COPYRIGHT This plan must not be used for construction unless signed as approved by principal certifying authority. All measurements in millimetres unless otherwise specified. This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd. (C) Copyright Martens & Associates Pty Ltd			

PROJECT NAME/PLANSET TITLE
MINARAH COLLEGE - CATHERINE FIELD ROADWORKS DESIGN
268 & 278 CATHERINE FIELDS ROAD, CATHERINE FIELDS, NSW



Consulting Engineers
Environment
Water
Geotechnical
Civil

Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767
Email: mail@martens.com.au Internet: www.martens.com.au

DRAWING TITLE				
CONCEPT PAVEMENT DESIGN STAGE 1				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P2108320	PS01	R02	PS01-G451	B

STATE SIGNIFICANT DEVELOPMENT APPLICATION

PRINTED: 14/04/2022 14:00:00 - USER: RICK.ANDREAZZA

A1 / A3 LANDSCAPE (A1LC_v02.0.0)

DRAWING ID: P2108320-PS01-R02-G451

