



# ARMIDALE REGIONAL COUNCIL

## KEMPSEY-ARMIDALE ROAD

### FIXING LOCAL ROADS - FLYING FOX

# 12562718



LOCALITY PLAN  
N.T.S.

PRELIMINARY

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B	UPDATED CONCEPT DESIGN	CP	DW	AF	31.01.22			Scale NTS	Original Size <b>A3</b> Drawing No: <b>12562718-C2001</b>
A	CONCEPT DESIGN	CP	DW	AF	21.01.22			This Drawing must not be used for Construction unless signed as Approved	Rev: <b>B</b>
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date			

**DRAWING LCPT**

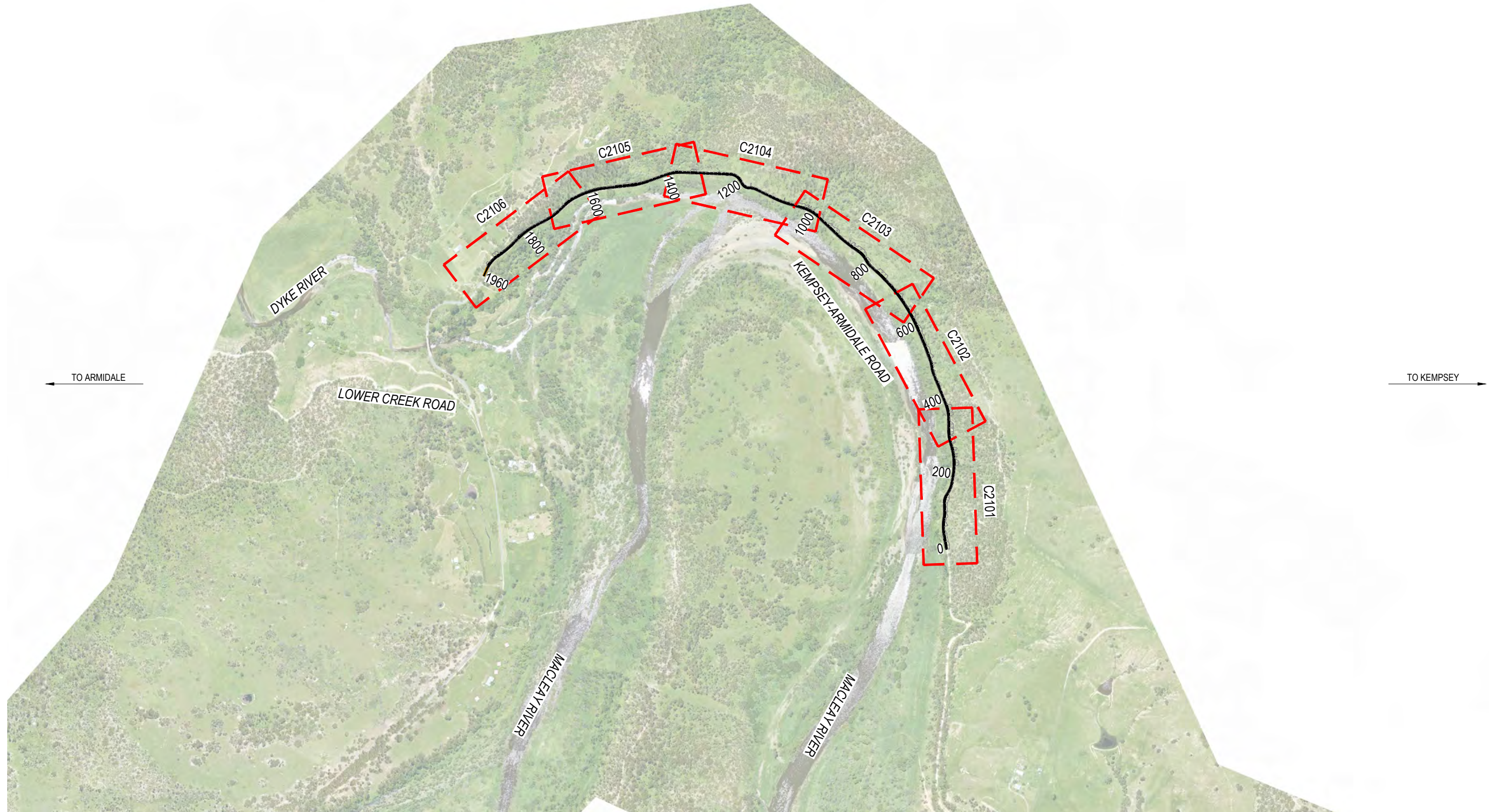
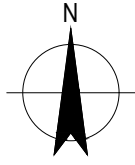
DRAWING No.	TITLE
12562718-C2001	COVER SHEET - LOCALITY PLAN
12562718-C2002	DRAWING LIST - SHEET 1 OF 1
12562718-C2005	OVERVIEW PLAN - SHEET 1 OF 1
12562718-C2011	TYPICAL SECTIONS AND DETAILS - SHEET 1 OF 2
12562718-C2012	TYPICAL SECTIONS AND DETAILS - SHEET 2 OF 2
12562718-C2101	PLAN AND PROFILE - MC02 - SHEET 1 OF 6
12562718-C2102	PLAN AND PROFILE - MC02 - SHEET 2 OF 6
12562718-C2103	PLAN AND PROFILE - MC02 - SHEET 3 OF 6
12562718-C2104	PLAN AND PROFILE - MC02 - SHEET 4 OF 6
12562718-C2105	PLAN AND PROFILE - MC02 - SHEET 5 OF 6
12562718-C2106	PLAN AND PROFILE - MC02 - SHEET 6 OF 6
12562718-C2501	CROSS SECTIONS - MC02 - SHEET 1 OF 22
12562718-C2502	CROSS SECTIONS - MC02 - SHEET 2 OF 22
12562718-C2503	CROSS SECTIONS - MC02 - SHEET 3 OF 22
12562718-C2504	CROSS SECTIONS - MC02 - SHEET 4 OF 22
12562718-C2505	CROSS SECTIONS - MC02 - SHEET 5 OF 22
12562718-C2506	CROSS SECTIONS - MC02 - SHEET 6 OF 22
12562718-C2507	CROSS SECTIONS - MC02 - SHEET 7 OF 22
12562718-C2508	CROSS SECTIONS - MC02 - SHEET 8 OF 22
12562718-C2509	CROSS SECTIONS - MC02 - SHEET 9 OF 22
12562718-C2510	CROSS SECTIONS - MC02 - SHEET 10 OF 22
12562718-C2511	CROSS SECTIONS - MC02 - SHEET 11 OF 22
12562718-C2512	CROSS SECTIONS - MC02 - SHEET 12 OF 22
12562718-C2513	CROSS SECTIONS - MC02 - SHEET 13 OF 22
12562718-C2514	CROSS SECTIONS - MC02 - SHEET 14 OF 22
12562718-C2515	CROSS SECTIONS - MC02 - SHEET 15 OF 22
12562718-C2516	CROSS SECTIONS - MC02 - SHEET 16 OF 22
12562718-C2517	CROSS SECTIONS - MC02 - SHEET 17 OF 22
12562718-C2518	CROSS SECTIONS - MC02 - SHEET 18 OF 22

**DRAWING LCPT**

DRAWING No.	TITLE
12562718-C2519	CROSS SECTIONS - MC02 - SHEET 19 OF 22
12562718-C2520	CROSS SECTIONS - MC02 - SHEET 20 OF 22
12562718-C2521	CROSS SECTIONS - MC02 - SHEET 21 OF 22
12562718-C2522	CROSS SECTIONS - MC02 - SHEET 22 OF 22
12562718-C2551	CATCHMENT PLAN - SHEET 1 OF 3
12562718-C2552	CATCHMENT PLAN - SHEET 2 OF 3
12562718-C2553	CATCHMENT PLAN - SHEET 3 OF 3

**PRELIMINARY**

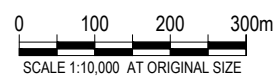
					  <p>GHD Tower, Level 3 24 Honeysuckle Drive Newcastle NSW 2300 Australia PO Box 5403 Hunter Rgn Mail Cent, NSW 2310 T 61 2 4979 9999 F 61 2 4979 9988 E ntlmail@ghd.com W www.ghd.com</p>	<b>DO NOT SCALE</b> GHD Pty Ltd Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drawn C.PURDON	Designer J.VAHA	Client <b>ARMIDALE REGIONAL COUNCIL</b> <b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
		Drafting Check	Design Check	Title <b>FLYING FOX</b> <b>DRAWING LIST - SHEET 1 OF 1</b>					
		Approved (Project Director) Date	This Drawing must not be used for Construction unless signed as Approved						
		Scale NTS	Original Size <b>A3</b> Drawing No: <b>12562718-C2002</b> Rev: <b>B</b>						
B	UPDATED CONCEPT DESIGN	CP	DW	AF	31.01.22				
A	CONCEPT DESIGN	CP	DW	AF	21.01.22				
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date			



PLAN  
SCALE : 10,000

**PRELIMINARY**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
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A	CONCEPT DESIGN		CP	DW	AF	21.01.22



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Drawn	C.PURDON	Designer	J.VAHA
Drafting Check		Design Check	
Approved (Project Director)			
Date			
Scale	1:10,000		

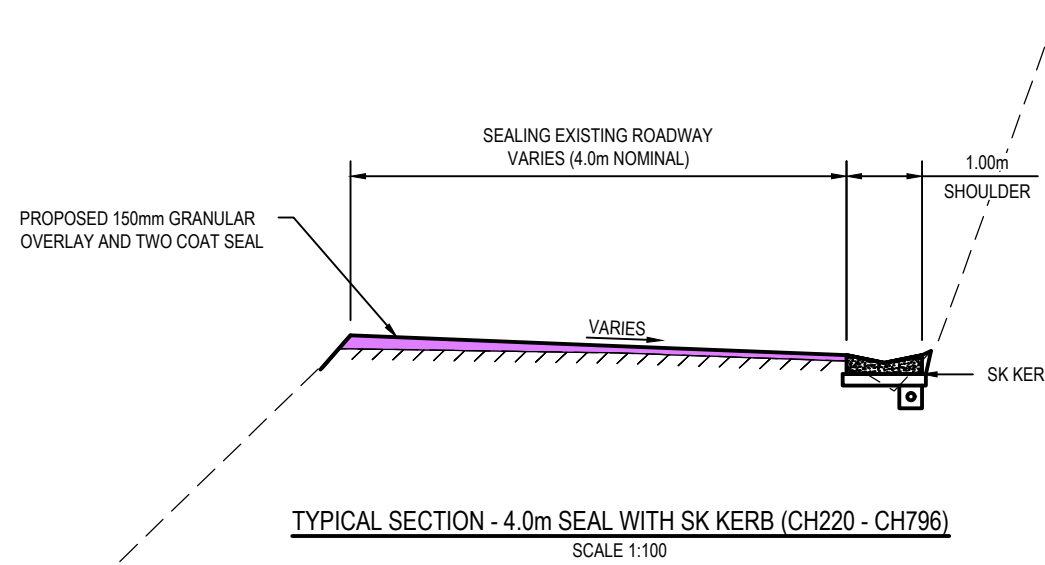
Client	<b>ARMIDALE REGIONAL COUNCIL</b>		
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>		
Title	<b>FLYING FOX OVERVIEW PLAN - SHEET 1 OF 1</b>		
Original Size	<b>A3</b>	Drawing No:	<b>12562718-C2005</b>
Rev:	<b>B</b>		

**NOTES**

1. THE TYPICAL SECTIONS HAVE BEEN DEVISED FOR A RURAL ACCESS ROAD AS DEFINED IN ARC DEVELOPMENT SPECIFICATION D1, WITH VERGE REQUIREMENTS RELAXED DUE TO RESTRICTED WIDTH ALONG THE ALIGNMENT.
2. THE TYPICAL SECTIONS WITHIN THESE PLANS SEEKS TO UTILISE THE EXISTING ROAD GEOMETRY AS MUCH AS POSSIBLE AND TO IMPROVE DRAINAGE, ROAD SAFETY AND PROVIDE A SEALED ROAD PAVEMENT. THE DESIGN ONLY SEEK TO IMPROVE THE EXISTING ROAD GEOMETRY WHERE COST ARE EFFECTIVE TO DO SO AND INCLUDES CUTTING ON THE HIGH SIDE TO IMPROVE SIGHT LINES AT INSIDE OF CURVES. ADDITIONAL INVESTIGATION IS REQUIRED IN DETAILED DESIGN TO CONFIRM CONCEPT.
3. THE DIMENSIONS NOMINATED IN THESE SECTIONS ARE DESIRABLE, SHOULD BE ACHIEVED WHERE POSSIBLE AND MAY REQUIRE AMENDMENT IN DETAILED DESIGN BASED ON DETAILED SURVEY TO SUIT THE AVAILABLE FORMATION WIDTH AND ANY OTHER SITE CONSTRAINTS. THE PROPOSED SECTIONS MAY NOT BE FULLY COMPLIANT WITH RELEVANT SPECIFICATIONS AND GUIDELINES. THE TYPICAL SECTIONS WILL BE REVIEWED IN A RISK MANAGEMENT/SAFETY IN DESIGN WORKSHOP.
4. THE CONCEPT PAVEMENT DESIGN HAS BEEN ASSUMED AS A 150MM THICK GRANULAR OVERLAY WITH TWO COAT SEAL (14/10MM).

**LEGEND**

-  NEW CULVERT WITH LABELED SIZE AND FLOW DIRECTION
-  NEW PIT
-  HEADWALL / PIT IDENTIFICATION LABEL



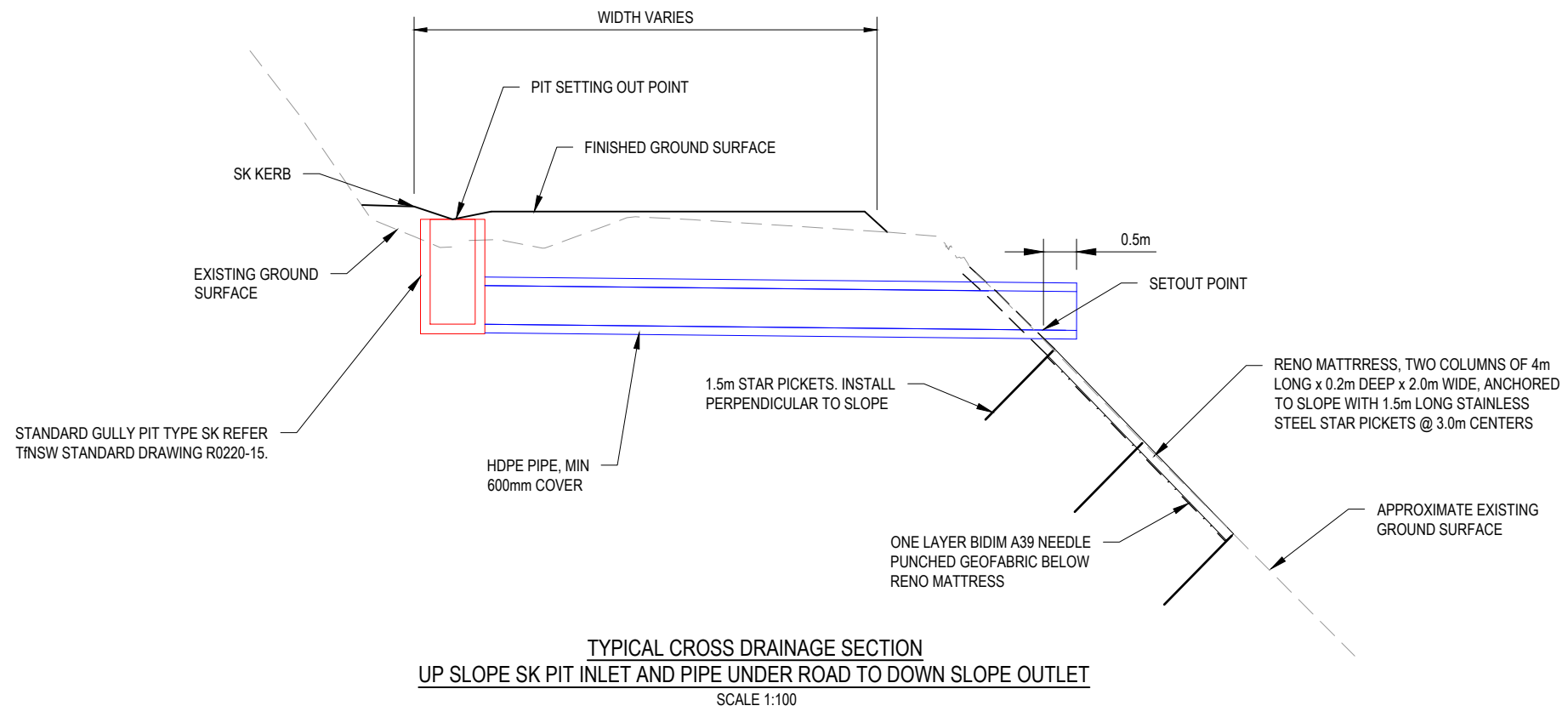
**PRELIMINARY**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
A	CONCEPT DESIGN		CP	DW	AF	21.01.22



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	Approved (Project Director) Date	
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Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX TYPICAL SECTIONS AND DETAILS - SHEET 1 OF 2</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2011</b>
Rev:	<b>B</b>



**PRELIMINARY**

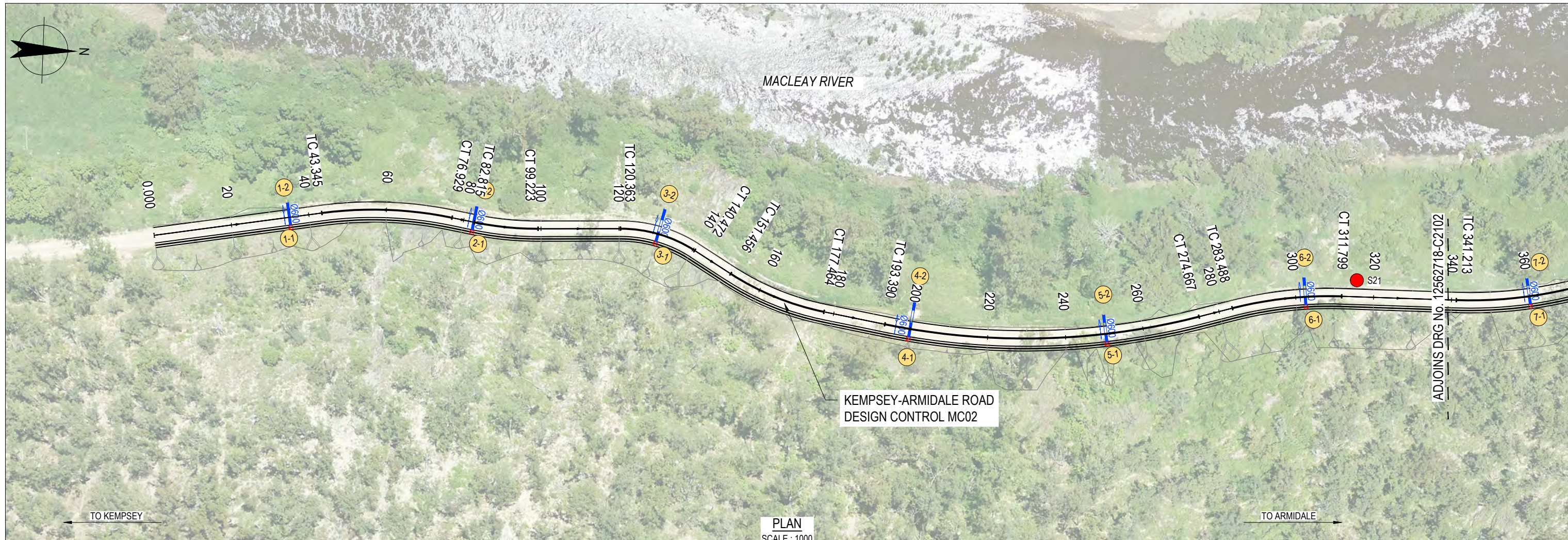
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
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DO NOT SCALE		Drawn	Designer
GHD Pty Ltd Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.		C.PURDON	J.VAHA
		Drafting Check	Design Check
		Approved (Project Director) Date	
Scale	AS SHOWN	This Drawing must not be used for Construction unless signed as Approved	

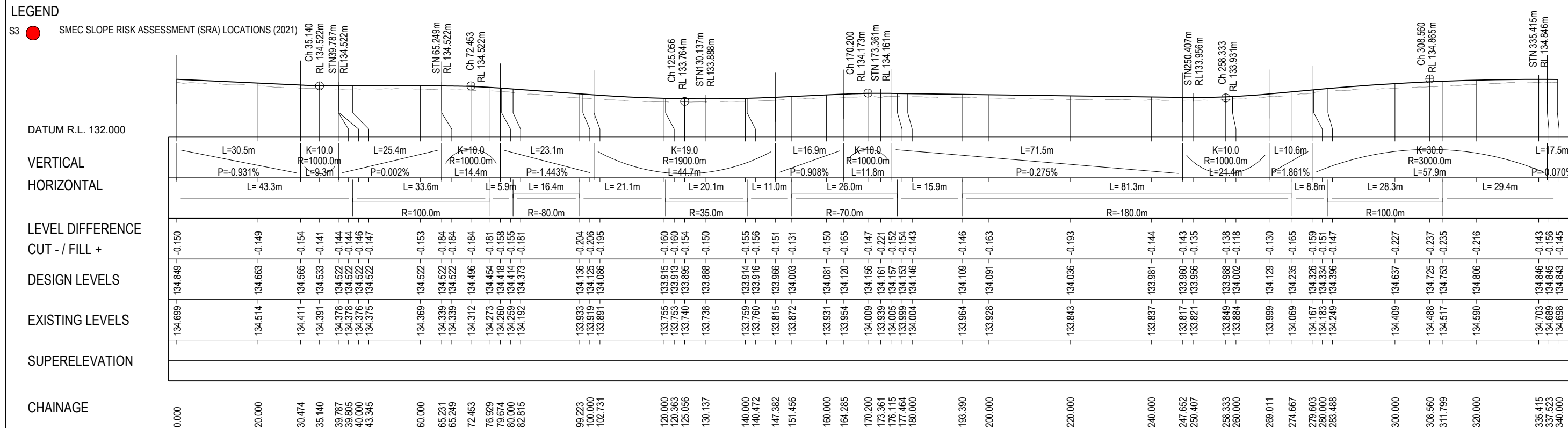
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Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX TYPICAL SECTIONS AND DETAILS - SHEET 2 OF 2</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2012</b>
Rev:	<b>B</b>



PLAN  
SCALE : 1000

LEGEND

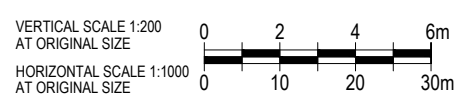
S3 ● SMEC SLOPE RISK ASSESSMENT (SRA) LOCATIONS (2021)



MC02 PROFILE  
SCALE : HORZ=1000 VERT=200

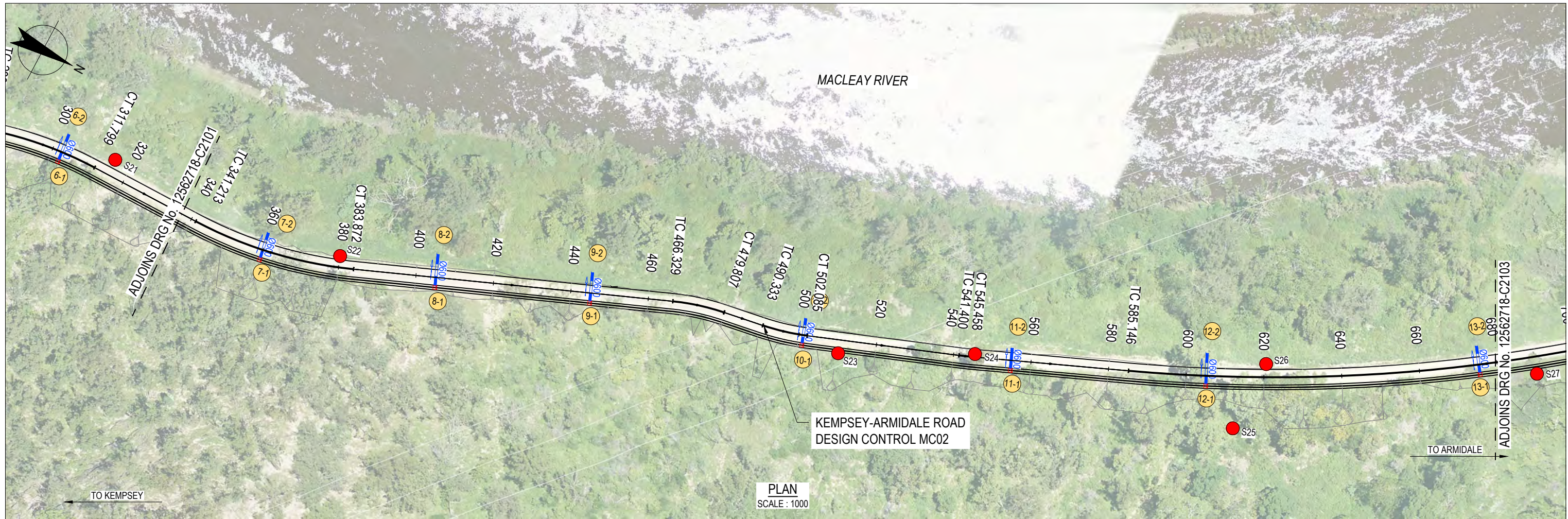
PRELIMINARY

No	Revision	Note	Drawn	Job Manager	Project Director	Date
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A	CONCEPT DESIGN		CP	DW	AF	21.01.22

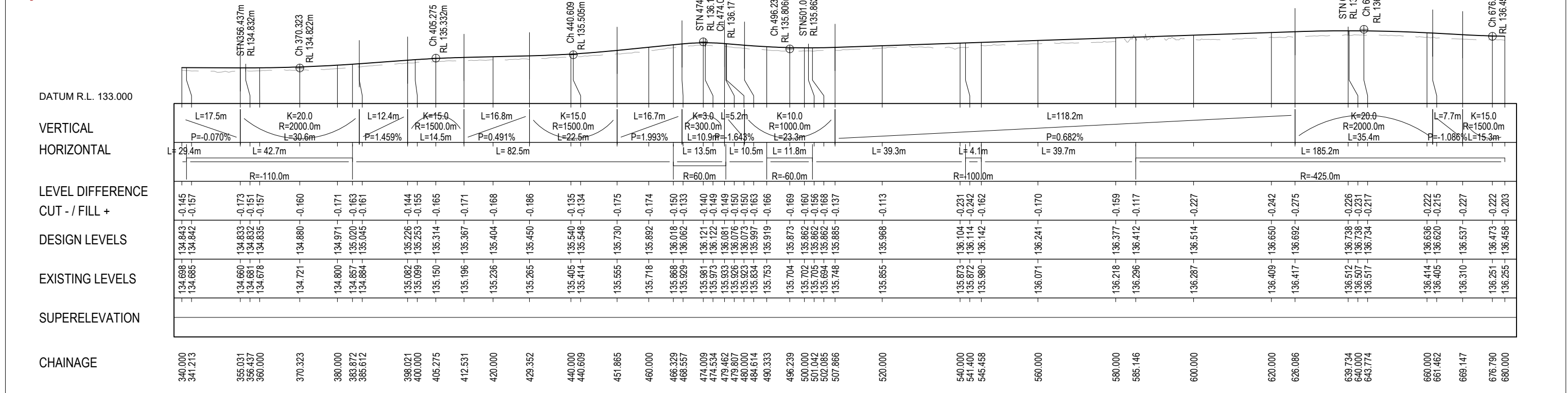


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Drawn	C.PURDON
Designer	D.McCARTHY
Drafting Check	Design Check
Approved (Project Director)	Date
Scale	AS SHOWN

Client	ARMIDALE REGIONAL COUNCIL
Project	KEMPSEY-ARMIDALE ROAD RECOVERY WORKS
Title	FLYING FOX - PLAN AND PROFILE
	MC02 - SHEET 1 OF 6
Original Size	A3
Drawing No:	12562718-C2101
Rev:	B



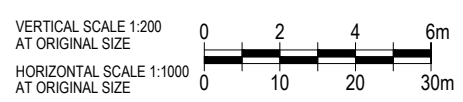
**LEGEND**  
 S3 ● SMEC SLOPE RISK ASSESSMENT (SRA) LOCATIONS (2021)



**MC02 PROFILE**  
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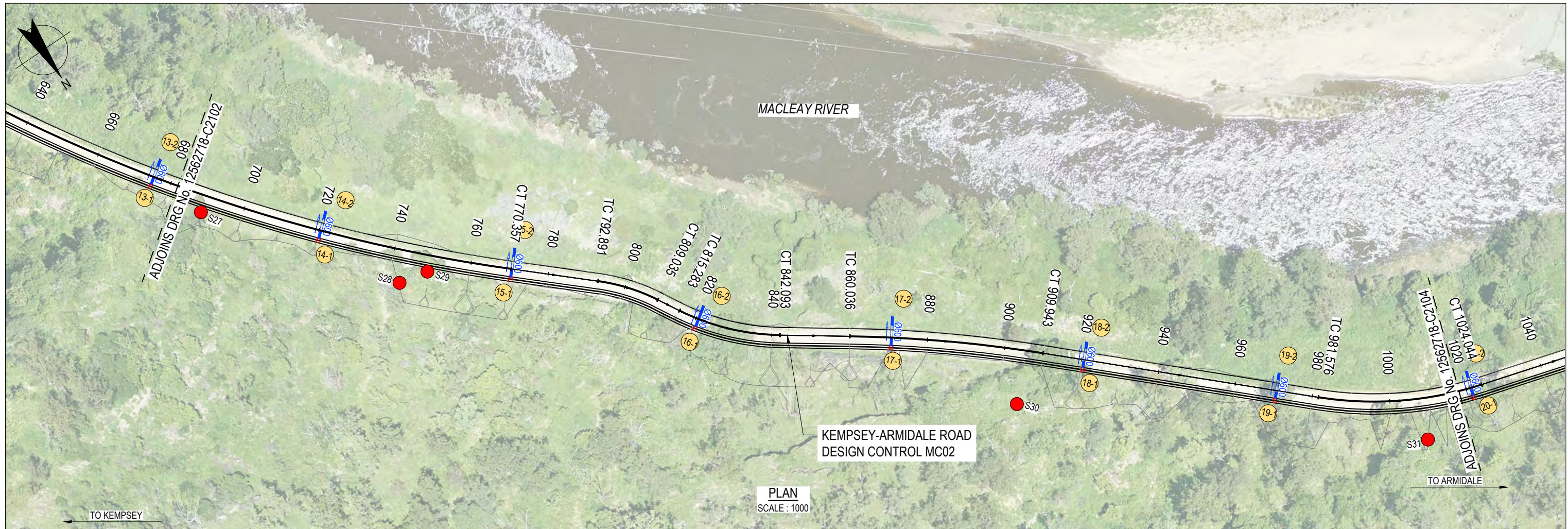
**PRELIMINARY**

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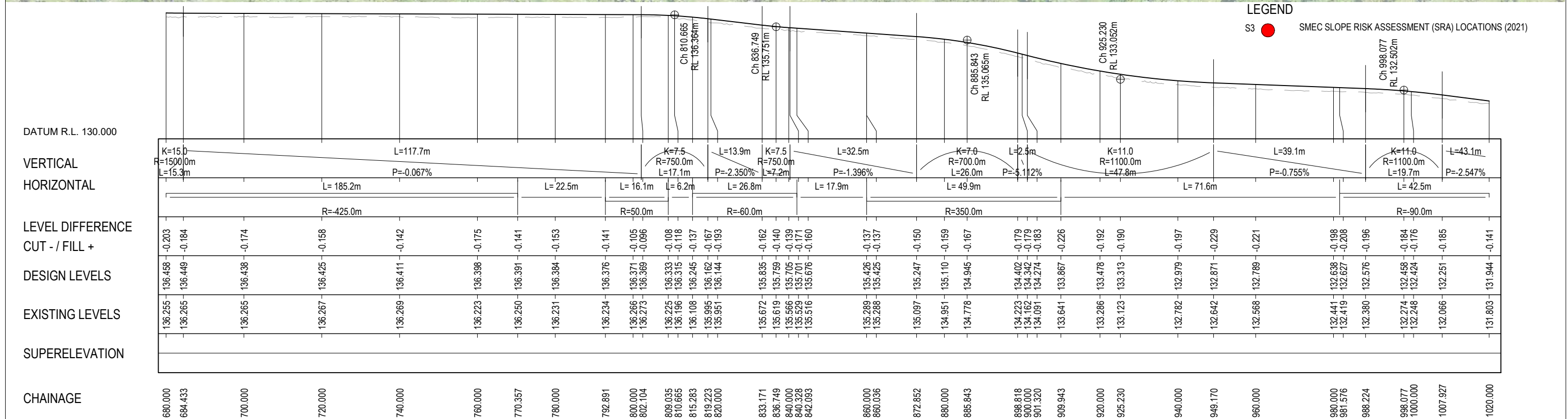


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Drawn	C.PURDON
Designer	D.McCARTHY
Drafting	Check
Design	Check
Approved	(Project Director)
Date	
Scale	AS SHOWN

Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX - PLAN AND PROFILE</b>
	<b>MC02 - SHEET 2 OF 6</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2102</b>
Rev:	<b>B</b>



PLAN  
SCALE: 1000



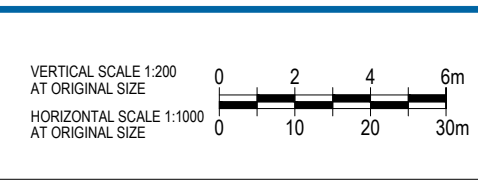
LEGEND  
S3 ● SMEC SLOPE RISK ASSESSMENT (SRA) LOCATIONS (2021)

CHAINAGE	EXISTING LEVELS	DESIGN LEVELS	CUT - / FILL +	LEVEL DIFFERENCE	HORIZONTAL	VERTICAL
680.000	136.255	136.458	-0.203			
684.433	136.265	136.449	-0.184			
700.000	136.265	136.438	-0.174			
720.000	136.267	136.425	-0.158			
740.000	136.269	136.411	-0.142			
760.000	136.223	136.398	-0.175			
770.357	136.250	136.391	-0.141			
780.000	136.231	136.384	-0.153			
792.891	136.234	136.376	-0.141			
800.000	136.266	136.371	-0.105			
802.104	136.273	136.369	-0.096			
809.035	136.225	136.333	-0.108			
810.965	136.196	136.315	-0.118			
815.283	136.108	136.245	-0.137			
819.223	135.995	136.162	-0.167			
820.000	135.951	136.144	-0.193			
833.171	135.672	135.835	-0.162			
836.749	135.619	135.799	-0.140			
840.000	135.566	135.705	-0.139			
840.328	135.529	135.701	-0.171			
842.093	135.516	135.676	-0.160			
860.000	135.289	135.426	-0.137			
860.036	135.288	135.425	-0.137			
872.852	135.097	135.247	-0.150			
880.000	134.951	135.110	-0.159			
885.843	134.778	134.945	-0.167			
898.818	134.223	134.402	-0.179			
900.000	134.162	134.342	-0.179			
901.320	134.091	134.274	-0.183			
909.943	133.641	133.867	-0.226			
920.000	133.286	133.478	-0.192			
925.230	133.123	133.313	-0.190			
940.000	132.782	132.979	-0.197			
949.170	132.642	132.871	-0.229			
960.000	132.568	132.789	-0.221			
980.000	132.441	132.638	-0.198			
981.576	132.419	132.627	-0.208			
988.224	132.380	132.576	-0.196			
998.077	132.274	132.458	-0.184			
1000.000	132.248	132.424	-0.176			
1007.927	132.066	132.251	-0.185			
1020.000	131.803	131.944	-0.141			

MC02 PROFILE  
SCALE: HORZ=1000 VERT=200

PRELIMINARY

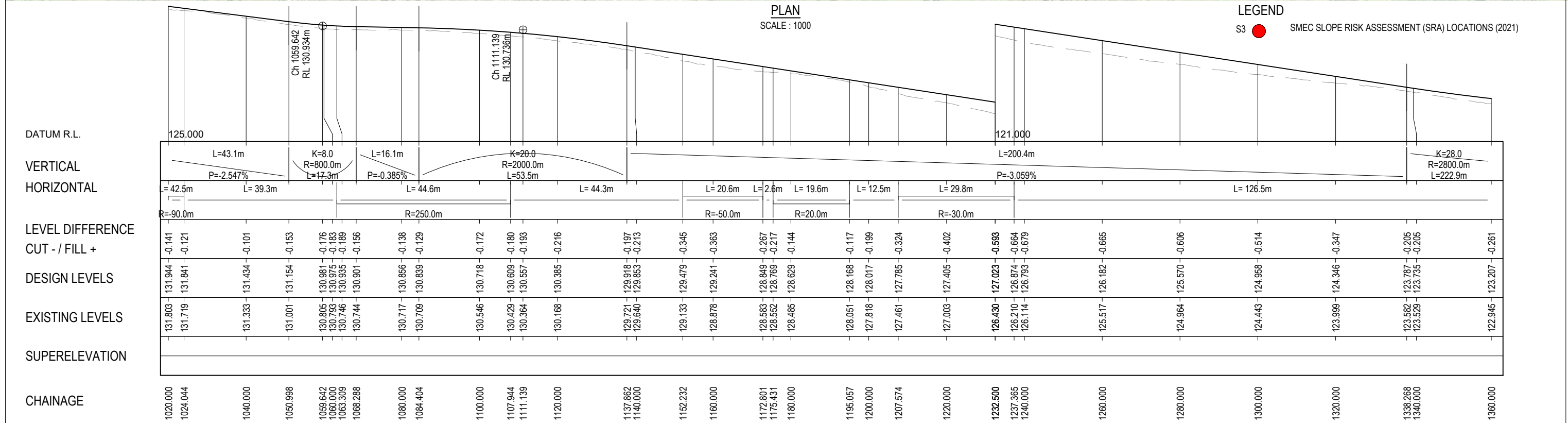
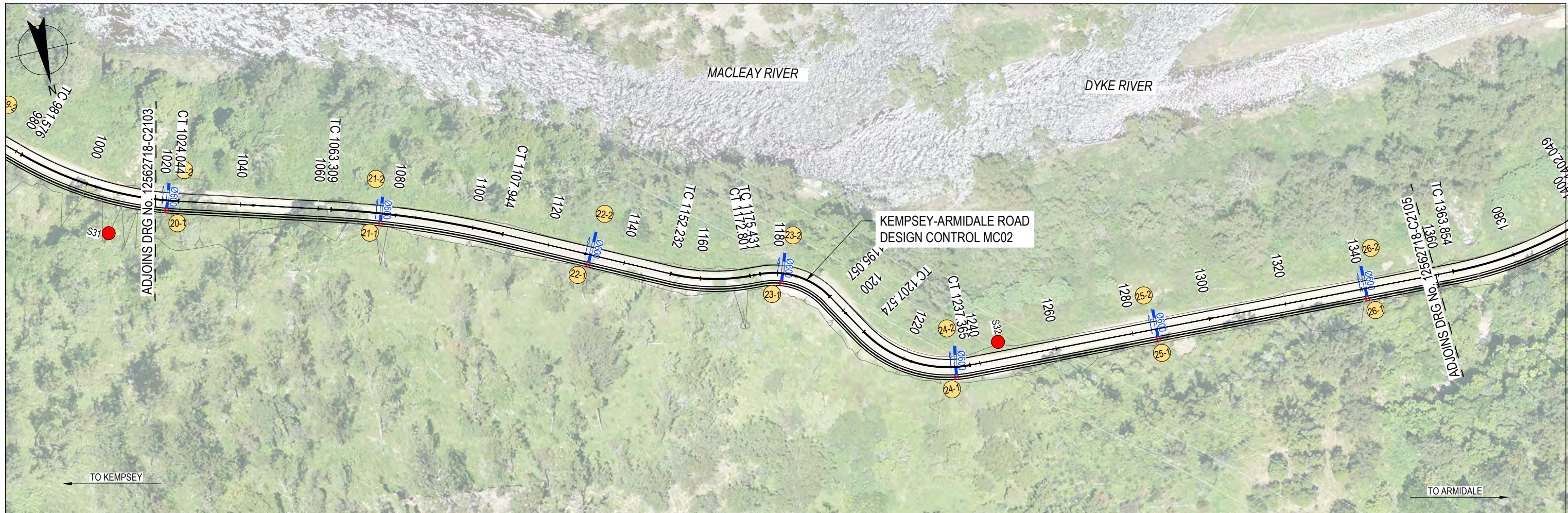
No	Revision	Note	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
A	CONCEPT DESIGN		CP	DW	AF	21.01.22



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Drawn	C.PURDON
Designer	D.McCARTHY
Drafting Check	Design Check
Approved (Project Director)	Date
Scale	AS SHOWN

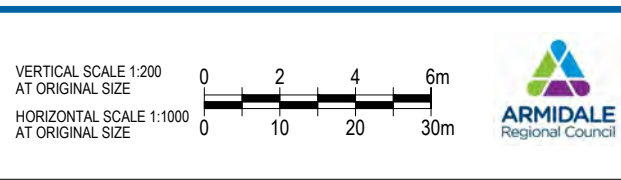
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Project	KEMPSEY-ARMIDALE ROAD RECOVERY WORKS
Title	FLYING FOX - PLAN AND PROFILE
	MC02 - SHEET 3 OF 6
Original Size	A3
Drawing No:	12562718-C2103
Rev:	B





MC02 PROFILE  
SCALE: HORZ=1000 VERT=200

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
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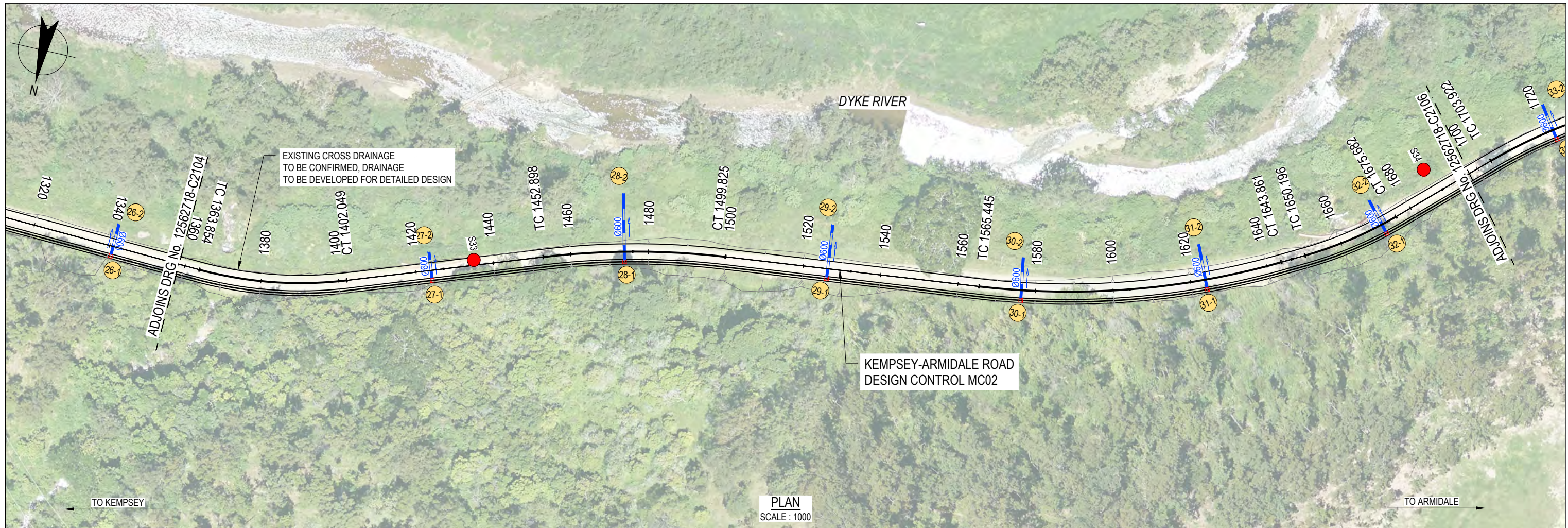


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Designer	D.McCARTHY
Drafting Check	Design Check
Approved (Project Director)	Date
Scale	AS SHOWN

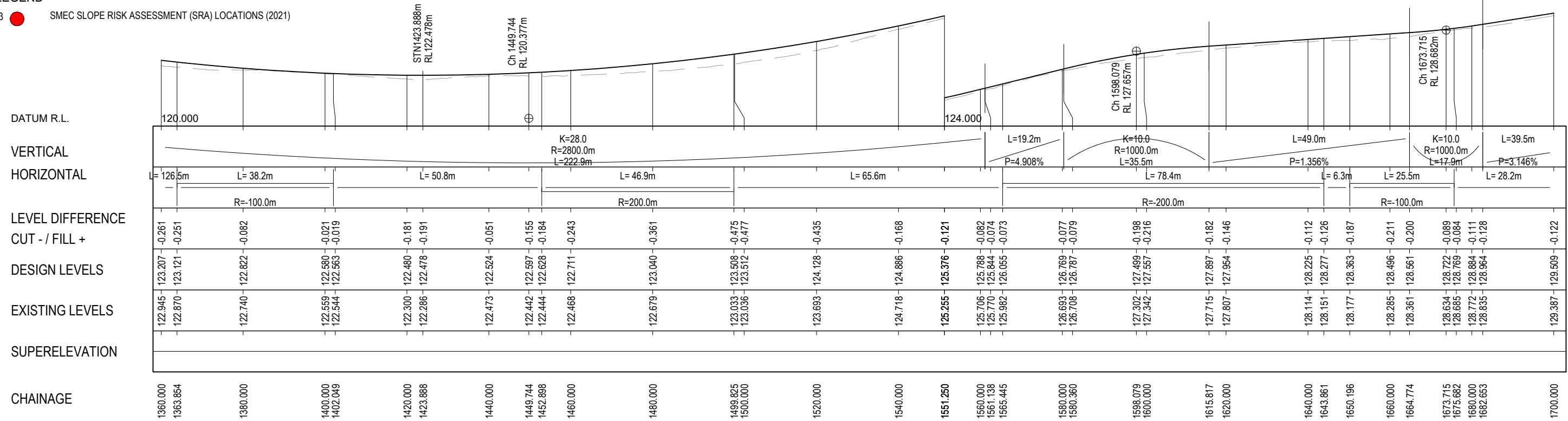
**PRELIMINARY**

Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX - PLAN AND PROFILE</b>
	<b>MC02 - SHEET 4 OF 6</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2104</b>
Rev:	<b>B</b>

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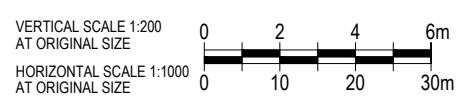
**LEGEND**  
 S3 ● SMEC SLOPE RISK ASSESSMENT (SRA) LOCATIONS (2021)



**MC02 PROFILE**  
 SCALE: HORZ=1000 VERT=200

**PRELIMINARY**

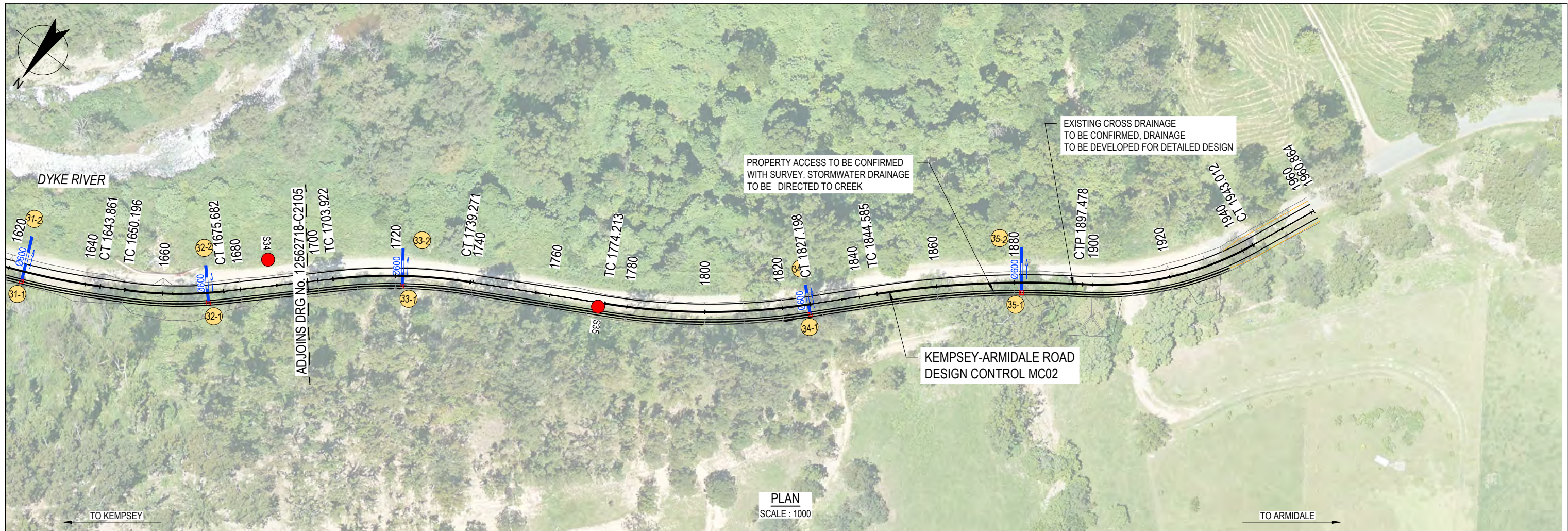
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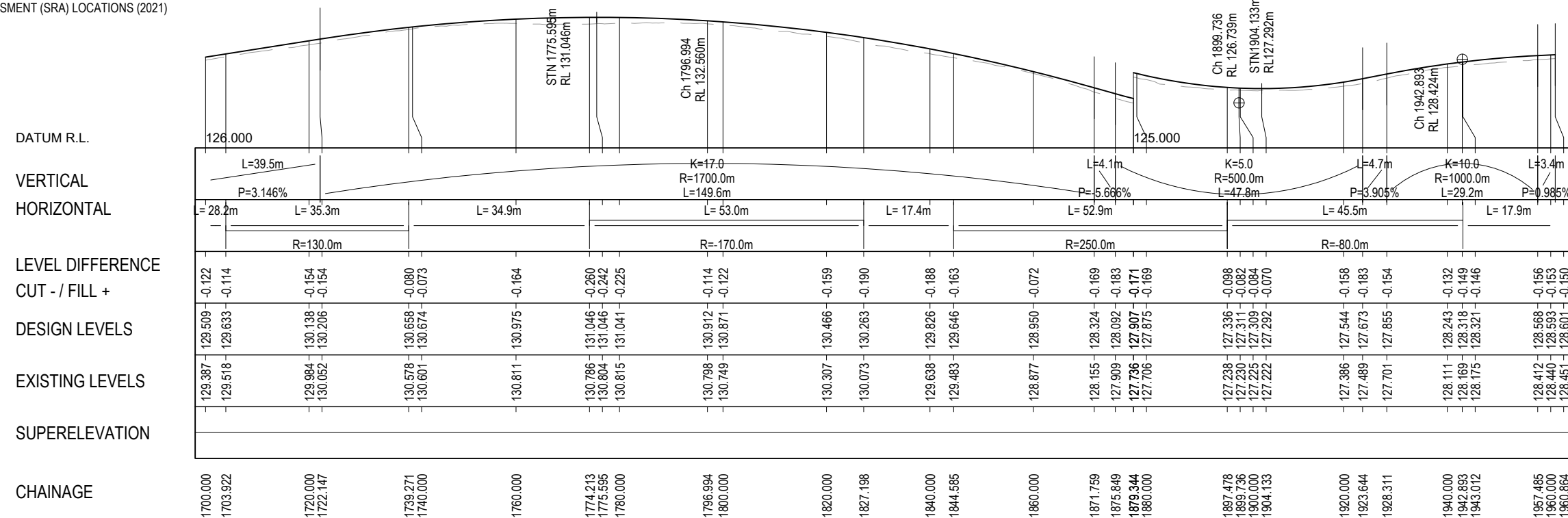
Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX - PLAN AND PROFILE</b>
	<b>MC02 - SHEET 5 OF 6</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2105</b>
Rev:	<b>B</b>



PLAN  
SCALE: 1000

LEGEND

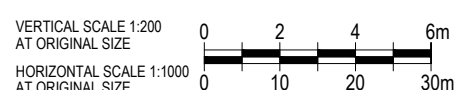
S3 ● SMEC SLOPE RISK ASSESSMENT (SRA) LOCATIONS (2021)



MC02 PROFILE  
SCALE: HORZ=1000 VERT=200

PRELIMINARY

B	UPDATED CONCEPT DESIGN	CP	DW	AF	31.01.22	
A	CONCEPT DESIGN	CP	DW	AF	21.01.22	
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Project	KEMPSEY-ARMIDALE ROAD RECOVERY WORKS
Title	FLYING FOX - PLAN AND PROFILE MC02 - SHEET 6 OF 6
Original Size	A3
Drawing No:	12562718-C2106
Rev:	B

**NOTES:**

- ROAD FORMATION DETAIL TO BE CONFIRMED AT EACH LOCATION DURING DETAILED DESIGN BASED ON AVAILABLE BUDGET, TAKING INTO ACCOUNT ROAD WIDTH, SAFETY, DRAINAGE AND POTENTIAL MINOR ROCK CUTTING.



DATUM R.L. 132.00

DESIGN SURFACE LEVEL	134.36	134.759	134.699	134.639	134.519	134.719
DEPTH CUT - / FILL +	0	0.21	0	0	-0.5	-1.47
EXISTING SURFACE LEVEL	134.36	134.55	134.7	134.64	135.02	136.19
OFFSET FROM CENTRELINE	-2.32	-2	0	0	2	2.6

CH 0



DATUM R.L. 132.00

DESIGN SURFACE LEVEL	134.411	134.692	134.632	134.572	134.452	134.652
DEPTH CUT - / FILL +	0	0.24	0.12	0.12	0.04	-0.24
EXISTING SURFACE LEVEL	134.41	134.45	134.51	134.51	134.69	135.37
OFFSET FROM CENTRELINE	-2.23	-2	0	0	2	2.6

CH 20



DATUM R.L. 132.00

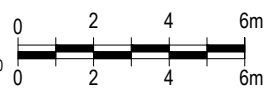
DESIGN SURFACE LEVEL	134.487	134.626	134.566	134.566	134.506	134.386	134.586
DEPTH CUT - / FILL +	0	0.14	0.19	0.19	0.23	-0.33	-1.13
EXISTING SURFACE LEVEL	134.49	134.49	134.38	134.38	134.28	134.71	135.72
OFFSET FROM CENTRELINE	-2.11	-2	0	0	2	2.6	3.2

CH 40

**PRELIMINARY**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
A	CONCEPT DESIGN		CP	DW	AF	21.01.22

VERTICAL SCALE 1:200  
AT ORIGINAL SIZE  
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AT ORIGINAL SIZE



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**DO NOT SCALE**

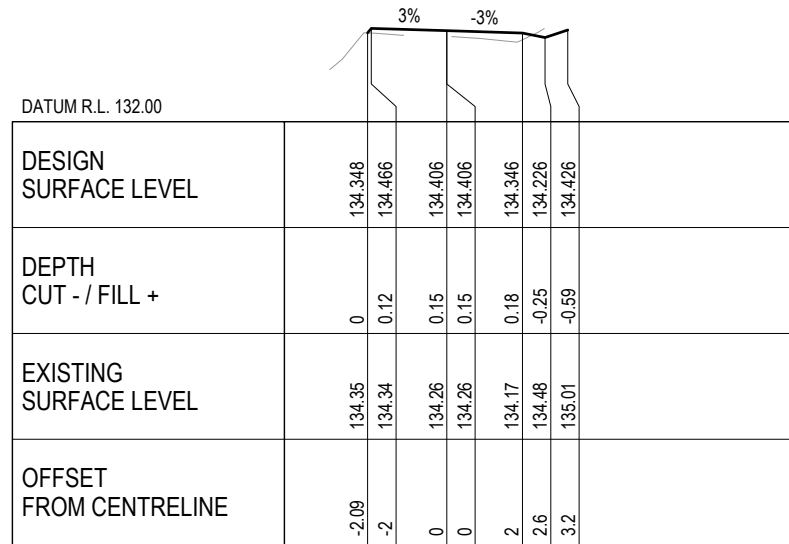
Drawn C.PURDON  
Designer D.McCARTHY  
Drafting Check  
Design Check  
Approved (Project Director)  
Date  
Scale

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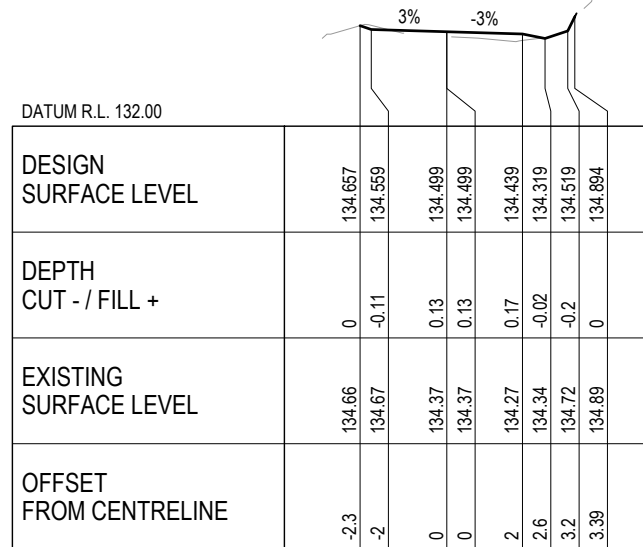
Client	ARMIDALE REGIONAL COUNCIL
Project	KEMPSEY-ARMIDALE ROAD RECOVERY WORKS
Title	FLYING FOX CROSS SECTIONS - MC02 - SHEET 1 OF 22
Original Size	A3
Drawing No:	12562718-C2501
Rev:	B

**NOTES:**

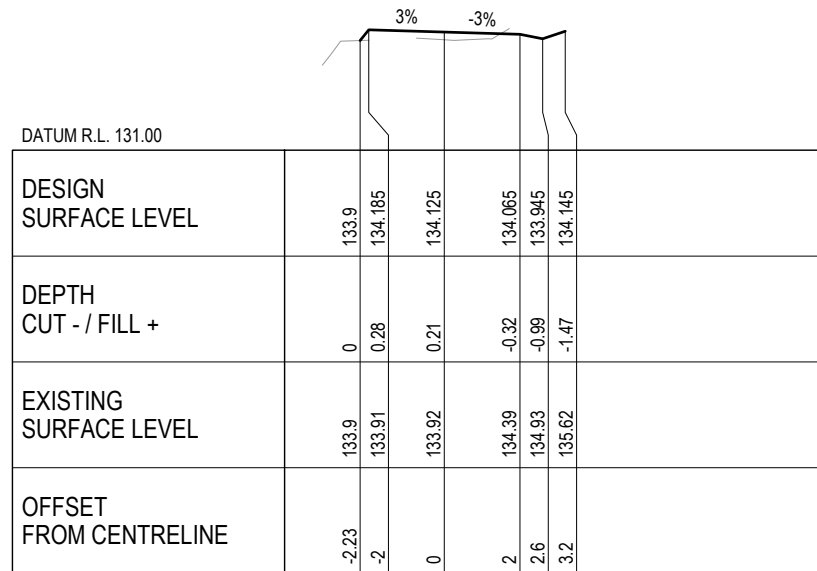
- ROAD FORMATION DETAIL TO BE CONFIRMED AT EACH LOCATION DURING DETAILED DESIGN BASED ON AVAILABLE BUDGET, TAKING INTO ACCOUNT ROAD WIDTH, SAFETY, DRAINAGE AND POTENTIAL MINOR ROCK CUTTING.



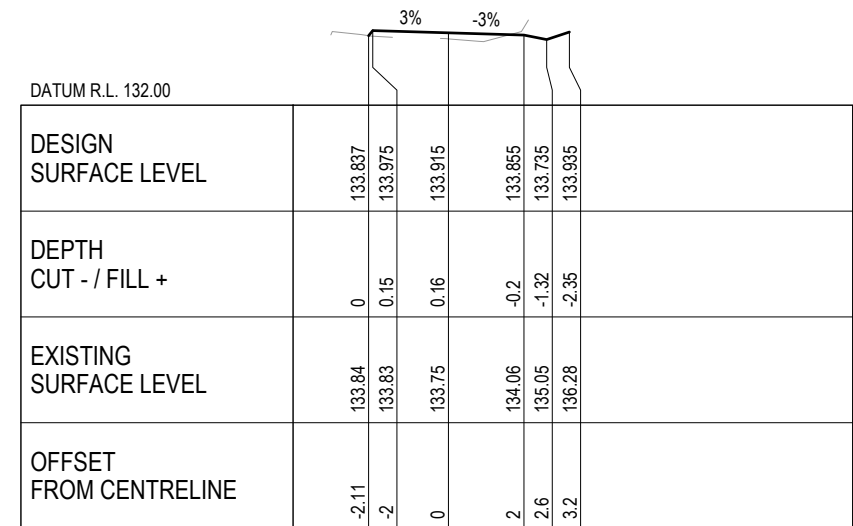
**CH 80**



**CH 60**



**CH 100**

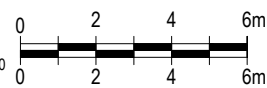


**CH 120**

**PRELIMINARY**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
A	CONCEPT DESIGN		CP	DW	AF	21.01.22

VERTICAL SCALE 1:200  
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HORIZONTAL SCALE 1:200  
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Drawn	C.PURDON	Designer	D.McCARTHY
Drafting Check		Design Check	
Approved (Project Director)			
Date			
Scale			

Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX CROSS SECTIONS - MC02 - SHEET 2 OF 22</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2502</b>
Rev:	<b>B</b>

**NOTES:**

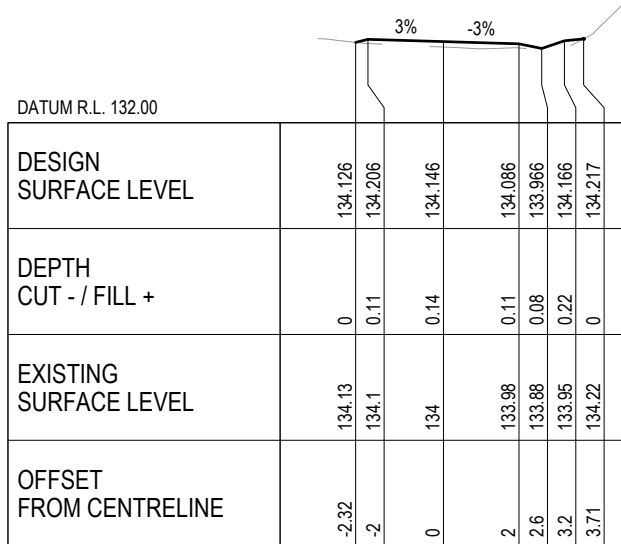
- ROAD FORMATION DETAIL TO BE CONFIRMED AT EACH LOCATION DURING DETAILED DESIGN BASED ON AVAILABLE BUDGET, TAKING INTO ACCOUNT ROAD WIDTH, SAFETY, DRAINAGE AND POTENTIAL MINOR ROCK CUTTING.



DATUM R.L. 132.00

DESIGN SURFACE LEVEL		133.943	133.974	133.914	133.914	133.854	133.734	133.934
DEPTH CUT - / FILL +		0	0.03	0.15	0.15	-0.15	-0.93	-2.83
EXISTING SURFACE LEVEL		133.94	133.94	133.76	133.76	134	134.66	136.76
OFFSET FROM CENTRELINE		-2.02	-2	0	0	2	2.6	3.2

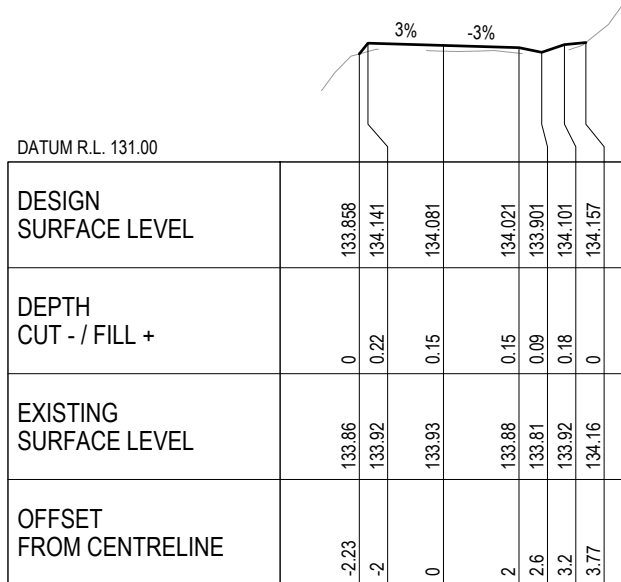
CH 140



DATUM R.L. 132.00

DESIGN SURFACE LEVEL		134.126	134.206	134.146	134.086	133.966	134.166	134.217
DEPTH CUT - / FILL +		0	0.11	0.14	0.11	0.08	0.22	0
EXISTING SURFACE LEVEL		134.13	134.1	134	133.98	133.88	133.95	134.22
OFFSET FROM CENTRELINE		-2.32	-2	0	2	2.6	3.2	3.71

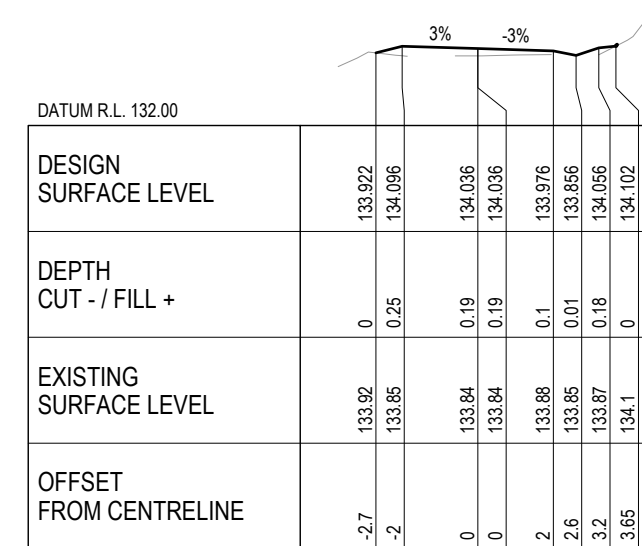
CH 180



DATUM R.L. 131.00

DESIGN SURFACE LEVEL		133.888	134.141	134.081	134.021	133.901	134.101	134.157
DEPTH CUT - / FILL +		0	0.22	0.15	0.15	0.09	0.18	0
EXISTING SURFACE LEVEL		133.86	133.92	133.93	133.88	133.81	133.92	134.16
OFFSET FROM CENTRELINE		-2.23	-2	0	2	2.6	3.2	3.77

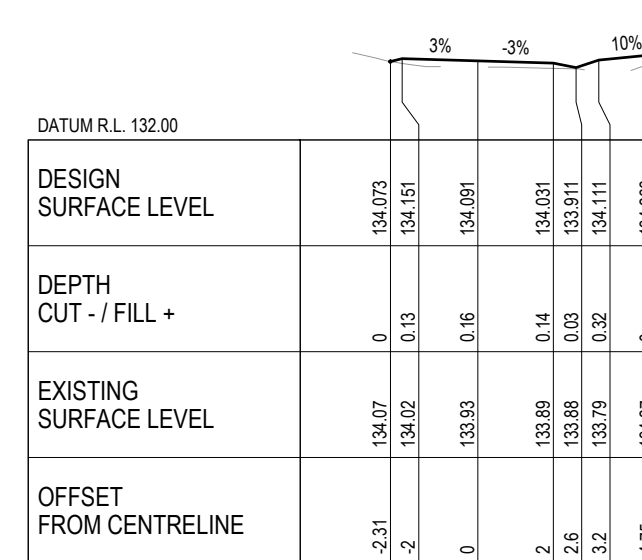
CH 160



DATUM R.L. 132.00

DESIGN SURFACE LEVEL		133.922	134.096	134.036	134.036	133.976	133.856	134.056	134.102
DEPTH CUT - / FILL +		0	0.25	0.19	0.19	0.1	0.01	0.18	0
EXISTING SURFACE LEVEL		133.92	133.85	133.84	133.84	133.88	133.85	133.87	134.1
OFFSET FROM CENTRELINE		-2.7	-2	0	0	2	2.6	3.2	3.65

CH 220



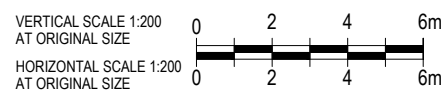
DATUM R.L. 132.00

DESIGN SURFACE LEVEL		134.073	134.151	134.091	134.031	133.911	134.111	134.266
DEPTH CUT - / FILL +		0	0.13	0.16	0.14	0.03	0.32	0
EXISTING SURFACE LEVEL		134.07	134.02	133.93	133.89	133.88	133.79	134.27
OFFSET FROM CENTRELINE		-2.31	-2	0	2	2.6	3.2	4.75

CH 200

**PRELIMINARY**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
A	CONCEPT DESIGN		CP	DW	AF	21.01.22



**DO NOT SCALE**

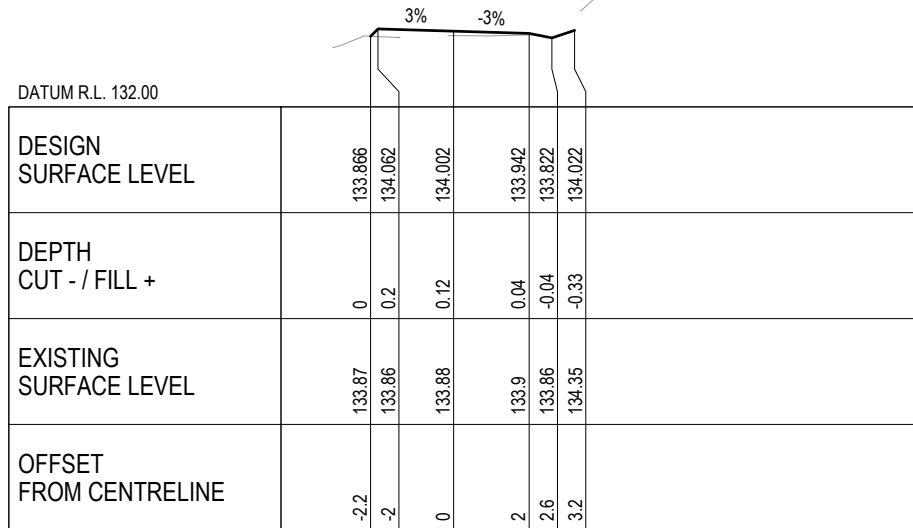
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Drawn	C.PURDON	Designer	D.McCARTHY
Drafting Check		Design Check	
Approved (Project Director)		Date	
Scale		This Drawing must not be used for Construction unless signed as Approved	

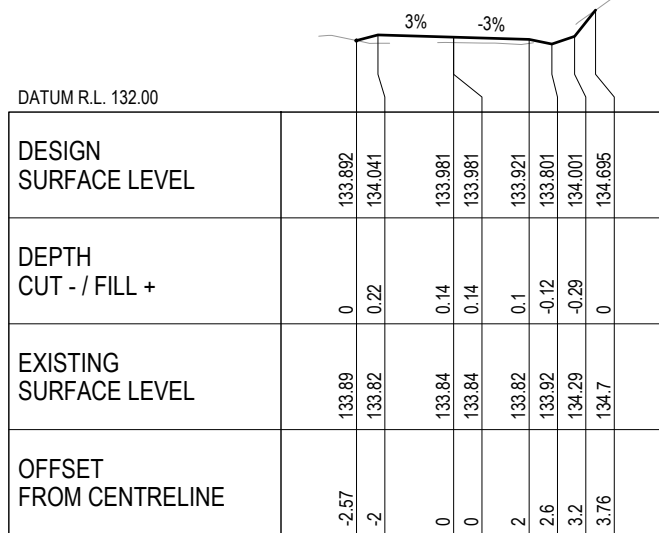
Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX CROSS SECTIONS - MC02 - SHEET 3 OF 22</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2503</b>
Rev:	<b>B</b>

NOTES:

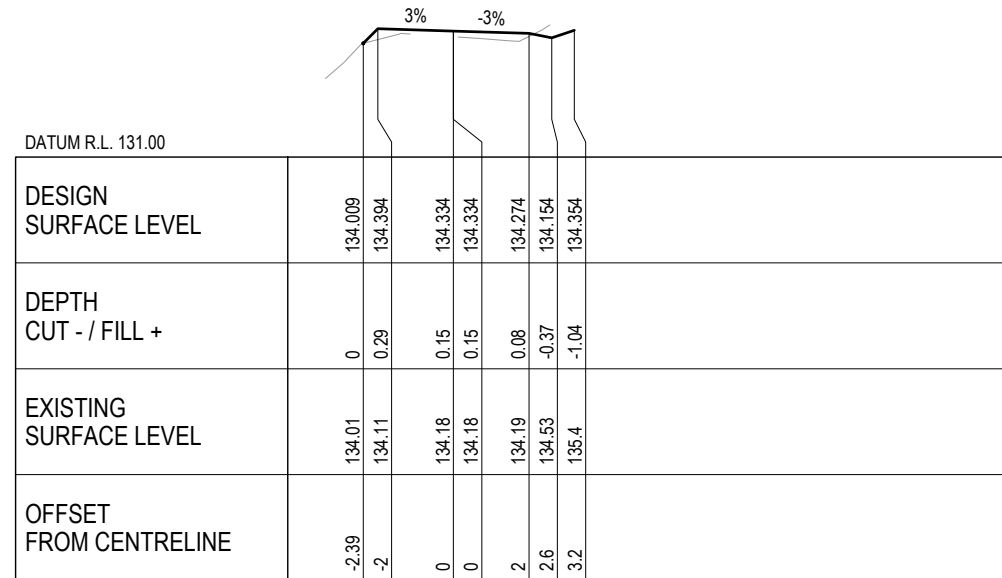
- ROAD FORMATION DETAIL TO BE CONFIRMED AT EACH LOCATION DURING DETAILED DESIGN BASED ON AVAILABLE BUDGET, TAKING INTO ACCOUNT ROAD WIDTH, SAFETY, DRAINAGE AND POTENTIAL MINOR ROCK CUTTING.



CH 260



CH 240

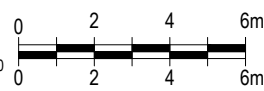


CH 280

PRELIMINARY

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
A	CONCEPT DESIGN		CP	DW	AF	21.01.22

VERTICAL SCALE 1:200  
AT ORIGINAL SIZE  
HORIZONTAL SCALE 1:200  
AT ORIGINAL SIZE



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Drafting Check		Design Check	
Approved (Project Director)		Date	
Scale		This Drawing must not be used for Construction unless signed as Approved	

Client	ARMIDALE REGIONAL COUNCIL		
Project	KEMPSEY-ARMIDALE ROAD RECOVERY WORKS		
Title	FLYING FOX CROSS SECTIONS - MC02 - SHEET 4 OF 22		
Original Size	A3	Drawing No:	12562718-C2504
Rev:	B		

**NOTES:**

- ROAD FORMATION DETAIL TO BE CONFIRMED AT EACH LOCATION DURING DETAILED DESIGN BASED ON AVAILABLE BUDGET, TAKING INTO ACCOUNT ROAD WIDTH, SAFETY, DRAINAGE AND POTENTIAL MINOR ROCK CUTTING.



DATUM R.L. 132.00

OFFSET FROM CENTRELINE	EXISTING SURFACE LEVEL	DEPTH CUT - / FILL +	DESIGN SURFACE LEVEL
-2.18	134.52	0	134.519
-2	134.49	0.21	134.697
0	134.41	0.23	134.637
0	134.41	0.23	134.637
2	134.3	0.28	134.577
2.6	134.76	-0.3	134.457
3.2	135.44	-0.78	134.657

CH 300



DATUM R.L. 133.00

OFFSET FROM CENTRELINE	EXISTING SURFACE LEVEL	DEPTH CUT - / FILL +	DESIGN SURFACE LEVEL
-2.15	134.72	0	134.718
-2	134.71	0.16	134.866
0	134.59	0.22	134.806
0	134.59	0.22	134.806
2	135.33	-0.58	134.746
2.6	136.25	-1.62	134.626
3.2	137.8	-2.98	134.826

CH 320



DATUM R.L. 133.00

OFFSET FROM CENTRELINE	EXISTING SURFACE LEVEL	DEPTH CUT - / FILL +	DESIGN SURFACE LEVEL
-2.1	134.8	0	134.799
-2	134.78	0.12	134.903
0	134.7	0.14	134.843
0	134.7	0.14	134.843
2	134.6	0.18	134.783
2.6	134.56	0.1	134.663
3.2	135.07	-0.21	134.863
3.76	135.56	0	135.562

CH 340

**PRELIMINARY**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
A	CONCEPT DESIGN		CP	DW	AF	21.01.22

VERTICAL SCALE 1:200  
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HORIZONTAL SCALE 1:200  
AT ORIGINAL SIZE



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E ntmail@ghd.com W www.ghd.com

**DO NOT SCALE**

Drawn C.PURDON  
Designer D.McCARTHY  
Drafting Check  
Design Check  
Approved (Project Director)  
Date  
Scale

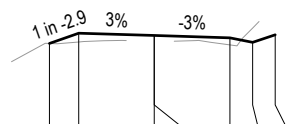
This Drawing must not be used for Construction unless signed as Approved

Client **ARMIDALE REGIONAL COUNCIL**  
Project **KEMPSEY-ARMIDALE ROAD RECOVERY WORKS**  
Title **FLYING FOX CROSS SECTIONS - MC02 - SHEET 5 OF 22**  
Original Size **A3**  
Drawing No: **12562718-C2505**  
Rev: **B**



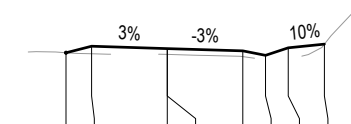
**NOTES:**

- ROAD FORMATION DETAIL TO BE CONFIRMED AT EACH LOCATION DURING DETAILED DESIGN BASED ON AVAILABLE BUDGET, TAKING INTO ACCOUNT ROAD WIDTH, SAFETY, DRAINAGE AND POTENTIAL MINOR ROCK CUTTING.



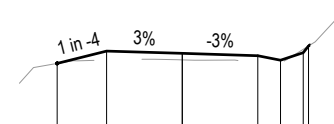
DATUM R.L. 132.00					
DESIGN SURFACE LEVEL		134.626	134.895	134.835	134.835
DEPTH CUT - / FILL +		0	0.23	0.16	0.16
EXISTING SURFACE LEVEL		134.63	134.66	134.68	134.68
OFFSET FROM CENTRELINE		-2.78	-2	0	0
				2	2.6
				3.2	

**CH 360**



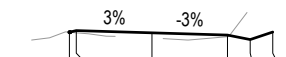
DATUM R.L. 133.00					
DESIGN SURFACE LEVEL		135.144	135.313	135.253	135.193
DEPTH CUT - / FILL +		0	0.2	0.15	0.15
EXISTING SURFACE LEVEL		135.14	135.11	135.1	135.04
OFFSET FROM CENTRELINE		-2.68	-2	0	0
				2	2.6
				3.2	
				4.16	

**CH 400**



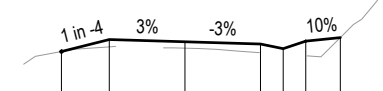
DATUM R.L. 132.00					
DESIGN SURFACE LEVEL		134.704	135.031	134.971	134.911
DEPTH CUT - / FILL +		0	0.23	0.17	0.21
EXISTING SURFACE LEVEL		134.7	134.8	134.8	134.71
OFFSET FROM CENTRELINE		-3.31	-2	0	0
				2.6	3.2
				3.34	

**CH 380**



DATUM R.L. 134.00					
DESIGN SURFACE LEVEL		135.555	135.6	135.54	135.48
DEPTH CUT - / FILL +		0	0.06	0.13	0.04
EXISTING SURFACE LEVEL		135.55	135.54	135.41	135.44
OFFSET FROM CENTRELINE		-2.18	-2	0	2
				2.6	3.2
				3.2	

**CH 440**

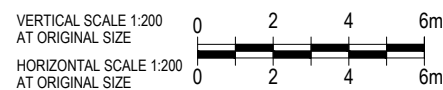


DATUM R.L. 133.00					
DESIGN SURFACE LEVEL		135.148	135.464	135.404	135.344
DEPTH CUT - / FILL +		0	0.19	0.17	0.23
EXISTING SURFACE LEVEL		135.15	135.27	135.24	135.11
OFFSET FROM CENTRELINE		-3.27	-2	0	2
				2.6	3.2
				3.2	
				4.11	

**CH 420**

**PRELIMINARY**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
A	CONCEPT DESIGN		CP	DW	AF	21.01.22



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Drawn	C.PURDON	Designer	D.McCARTHY
Drafting Check		Design Check	
Approved (Project Director)		Date	
Scale		This Drawing must not be used for Construction unless signed as Approved	

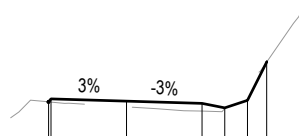
Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX CROSS SECTIONS - MC02 - SHEET 6 OF 22</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2506</b>
Rev:	<b>B</b>

**NOTES:**

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DATUM R.L. 134.00

DESIGN SURFACE LEVEL		136.054	136.133	136.073	136.013	135.893	136.093	137.107
DEPTH CUT - / FILL +		0	0.08	0.15	0.2	0.01	-0.49	0
EXISTING SURFACE LEVEL		136.05	136.05	135.92	135.81	135.88	136.58	137.11
OFFSET FROM CENTRELINE		-2.06	-2	0	2	2.6	3.2	3.71



CH 480

DATUM R.L. 134.00

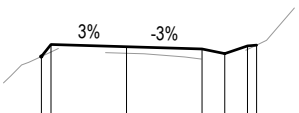
DESIGN SURFACE LEVEL		135.98	136.028	135.968	135.968	135.908	135.788	135.988
DEPTH CUT - / FILL +		0	0.05	0.11	0.11	-0.44	-1.32	-2.34
EXISTING SURFACE LEVEL		135.98	135.98	135.85	135.85	136.35	137.1	138.33
OFFSET FROM CENTRELINE		-2.04	-2	0	0	2	2.6	3.2



CH 520

DATUM R.L. 133.00

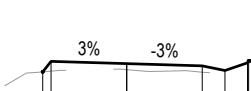
DESIGN SURFACE LEVEL		135.634	135.952	135.892	135.832	135.712	135.912	135.936
DEPTH CUT - / FILL +		0	0.2	0.17	0.27	0.22	0.09	0
EXISTING SURFACE LEVEL		135.63	135.75	135.72	135.56	135.49	135.82	135.94
OFFSET FROM CENTRELINE		-2.25	-2	0	2	2.6	3.2	3.44



CH 460

DATUM R.L. 134.00

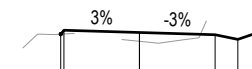
DESIGN SURFACE LEVEL		135.645	135.922	135.862	135.862	135.802	135.682	135.882	135.936
DEPTH CUT - / FILL +		0	0.26	0.16	0.16	0.17	0.09	-0.04	0
EXISTING SURFACE LEVEL		135.64	135.66	135.7	135.7	135.64	135.59	135.92	135.94
OFFSET FROM CENTRELINE		-2.22	-2	0	0	2	2.6	3.2	3.23



CH 500

DATUM R.L. 134.00

DESIGN SURFACE LEVEL		136.06	136.164	136.104	136.104	136.044	135.924	136.124
DEPTH CUT - / FILL +		0	0.1	0.23	0.23	-0.9	-2.41	-4
EXISTING SURFACE LEVEL		136.06	136.06	135.87	135.87	136.94	138.33	140.13
OFFSET FROM CENTRELINE		-2.08	-2	0	0	2	2.6	3.2

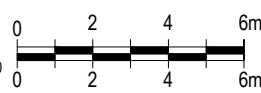


CH 540

**PRELIMINARY**

B	UPDATED CONCEPT DESIGN	CP	DW	AF	31.01.22	
A	CONCEPT DESIGN	CP	DW	AF	21.01.22	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date

VERTICAL SCALE 1:200  
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HORIZONTAL SCALE 1:200  
AT ORIGINAL SIZE



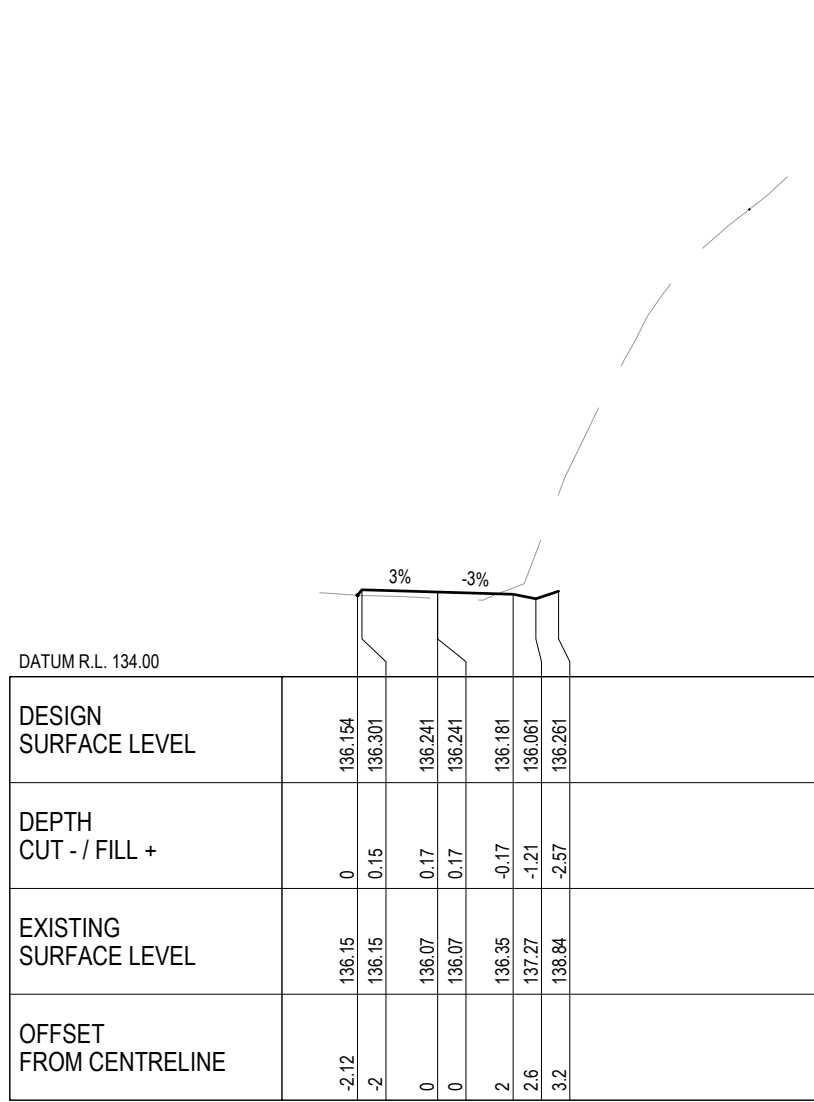
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Drafting Check		Design Check	
Approved (Project Director)		Date	
Scale		This Drawing must not be used for Construction unless signed as Approved	

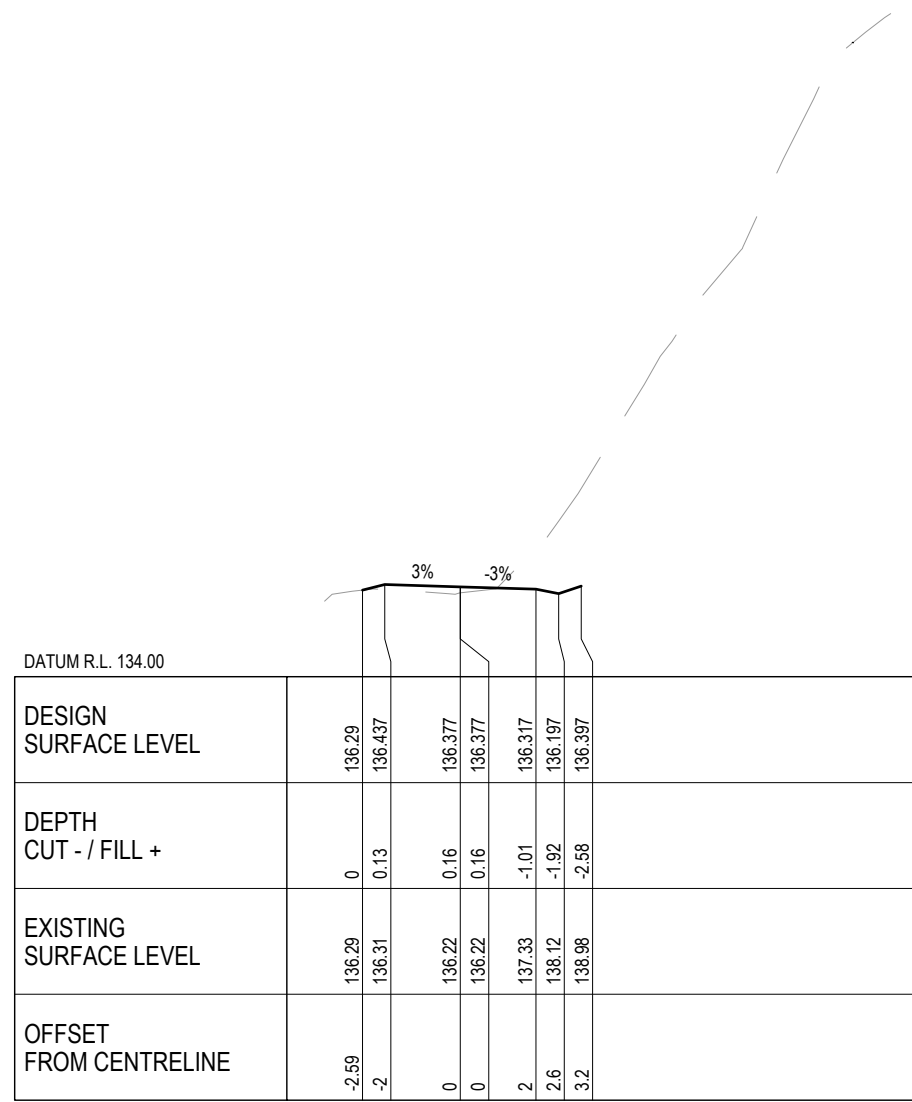
Client	ARMIDALE REGIONAL COUNCIL
Project	KEMPSEY-ARMIDALE ROAD RECOVERY WORKS
Title	FLYING FOX CROSS SECTIONS - MC02 - SHEET 7 OF 22
Original Size	A3
Drawing No:	12562718-C2507
Rev:	B

**NOTES:**

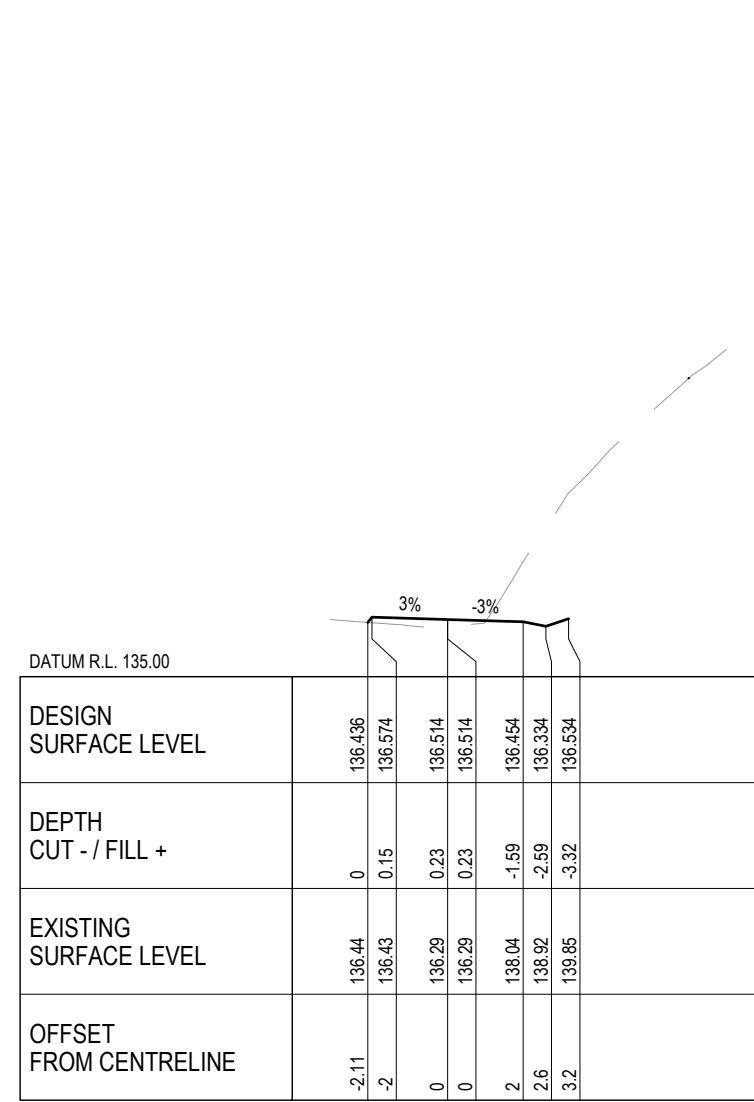
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CH 560



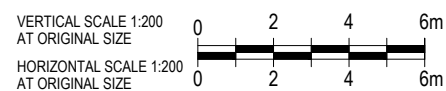
CH 580



CH 600

**PRELIMINARY**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
A	CONCEPT DESIGN		CP	DW	AF	21.01.22



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Drafting Check		Design Check	
Approved (Project Director)			
Date			
Scale	This Drawing must not be used for Construction unless signed as Approved		

Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX CROSS SECTIONS - MC02 - SHEET 8 OF 22</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2508</b>
Rev:	<b>B</b>

**NOTES:**

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3%      -3%

DATUM R.L. 135.00

DESIGN SURFACE LEVEL	136.592	136.696	136.636	136.636	136.576	136.456	136.656	136.801
DEPTH CUT - / FILL +	0	0.12	0.22	0.22	0.29	-0.06	-0.11	0
EXISTING SURFACE LEVEL	136.59	136.58	136.41	136.41	136.29	136.52	136.77	136.8
OFFSET FROM CENTRELINE	-2.08	-2	0	0	2	2.6	3.2	3.27

CH 660

3%      -3%

DATUM R.L. 134.00

DESIGN SURFACE LEVEL	136.327	136.71	136.65	136.59	136.47	136.67
DEPTH CUT - / FILL +	0	0.35	0.24	-0.2	-1.49	-2.44
EXISTING SURFACE LEVEL	136.33	136.36	136.41	136.79	137.96	139.11
OFFSET FROM CENTRELINE	-2.31	-2	0	2	2.6	3.2

CH 620

3%      -3%

DATUM R.L. 135.00

DESIGN SURFACE LEVEL	136.569	136.798	136.738	136.678	136.558	136.758
DEPTH CUT - / FILL +	0	0.21	0.23	0.23	0.06	-0.25
EXISTING SURFACE LEVEL	136.57	136.59	136.51	136.45	136.5	137.01
OFFSET FROM CENTRELINE	-2.18	-2	0	2	2.6	3.2

CH 640

3%      -3%

DATUM R.L. 134.00

DESIGN SURFACE LEVEL	136.375	136.518	136.458	136.398	136.278	136.478
DEPTH CUT - / FILL +	0	0.15	0.2	-0.13	-0.57	-1.26
EXISTING SURFACE LEVEL	136.37	136.37	136.25	136.53	136.85	137.73
OFFSET FROM CENTRELINE	-2.11	-2	0	2	2.6	3.2

CH 680

**PRELIMINARY**

B	UPDATED CONCEPT DESIGN	CP	DW	AF	31.01.22	
A	CONCEPT DESIGN	CP	DW	AF	21.01.22	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date

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T 61 2 4979 9599 F 61 2 4979 9988  
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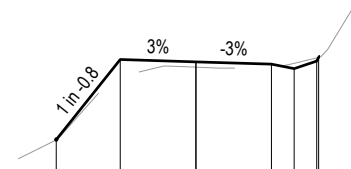
Drawn C.PURDON  
Designer D.McCARTHY  
Drafting Check  
Approved (Project Director)  
Date  
Scale

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Client **ARMIDALE REGIONAL COUNCIL**  
Project **KEMPSEY-ARMIDALE ROAD RECOVERY WORKS**  
Title **FLYING FOX CROSS SECTIONS - MC02 - SHEET 9 OF 22**  
Original Size **A3**  
Drawing No: **12562718-C2509**  
Rev: **B**

**NOTES:**

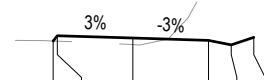
- ROAD FORMATION DETAIL TO BE CONFIRMED AT EACH LOCATION DURING DETAILED DESIGN BASED ON AVAILABLE BUDGET, TAKING INTO ACCOUNT ROAD WIDTH, SAFETY, DRAINAGE AND POTENTIAL MINOR ROCK CUTTING.



DATUM R.L. 132.00

DESIGN SURFACE LEVEL	134.354	136.471	136.411	136.411	136.351	136.231	136.431	136.528
DEPTH CUT - / FILL +	0	0.45	0.14	0.14	0.11	-0.14	-0.09	0
EXISTING SURFACE LEVEL	134.35	136.02	136.27	136.27	136.24	136.37	136.52	136.53
OFFSET FROM CENTRELINE	-3.69	-2	0	0	2	2.6	3.2	3.25

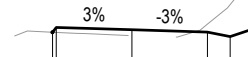
CH 740



DATUM R.L. 135.00

DESIGN SURFACE LEVEL	136.359	136.498	136.438	136.378	136.258	136.458
DEPTH CUT - / FILL +	0	0.14	0.17	-1.56	-2.73	-3.67
EXISTING SURFACE LEVEL	136.36	136.36	136.26	137.94	138.99	140.12
OFFSET FROM CENTRELINE	-2.11	-2	0	2	2.6	3.2

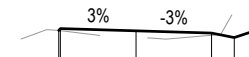
CH 700



DATUM R.L. 134.00

DESIGN SURFACE LEVEL	136.36	136.485	136.425	136.365	136.245	136.445
DEPTH CUT - / FILL +	0	0.13	0.16	-0.21	-0.84	-1.38
EXISTING SURFACE LEVEL	136.36	136.36	136.27	136.57	137.09	137.82
OFFSET FROM CENTRELINE	-2.1	-2	0	2	2.6	3.2

CH 720



DATUM R.L. 134.00

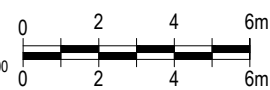
DESIGN SURFACE LEVEL	136.406	136.458	136.398	136.338	136.218	136.418
DEPTH CUT - / FILL +	0	0.06	0.17	0.06	-0.71	-1.62
EXISTING SURFACE LEVEL	136.41	136.4	136.22	136.28	136.93	138.03
OFFSET FROM CENTRELINE	-2.04	-2	0	2	2.6	3.2

CH 760

**PRELIMINARY**

B	UPDATED CONCEPT DESIGN	CP	DW	AF	31.01.22	
A	CONCEPT DESIGN	CP	DW	AF	21.01.22	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date

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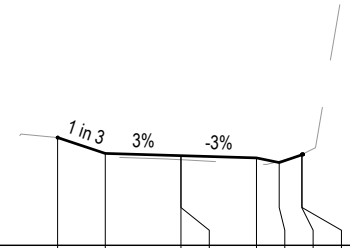
Drawn C.PURDON  
Designer D.McCARTHY  
Drafting Check  
Approved (Project Director)  
Date  
Scale

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Client **ARMIDALE REGIONAL COUNCIL**  
Project **KEMPSEY-ARMIDALE ROAD RECOVERY WORKS**  
Title **FLYING FOX CROSS SECTIONS - MC02 - SHEET 10 OF 22**  
Original Size **A3**  
Drawing No: **12562718-C2510**  
Rev: **B**

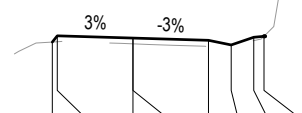
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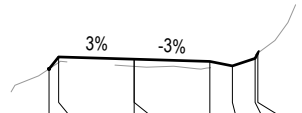
DATUM R.L. 134.00	
DESIGN SURFACE LEVEL	136.852 136.431 136.371 136.371 136.311 136.191 136.391 136.405
DEPTH CUT - / FILL +	0 -0.02 0.11 0.11 0.16 -0.03 -0.01 0
EXISTING SURFACE LEVEL	136.85 136.45 136.27 136.27 136.15 136.23 136.4 136.4
OFFSET FROM CENTRELINE	-3.26 -2 0 0 2 2.6 3.2 3.21

**CH 800**



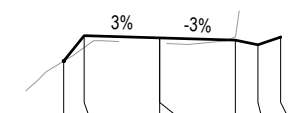
DATUM R.L. 134.00	
DESIGN SURFACE LEVEL	136.278 136.444 136.384 136.384 136.324 136.204 136.404 136.431
DEPTH CUT - / FILL +	0 0.16 0.15 0.15 0.16 0.02 0.09 0
EXISTING SURFACE LEVEL	136.28 136.29 136.23 136.23 136.16 136.19 136.32 136.43
OFFSET FROM CENTRELINE	-2.13 -2 0 0 2 2.6 3.2 3.47

**CH 780**



DATUM R.L. 134.00	
DESIGN SURFACE LEVEL	135.885 136.204 136.144 136.144 136.084 135.964 136.164 136.304
DEPTH CUT - / FILL +	0 0.15 0.19 0.19 0.17 -0.01 -0.09 0
EXISTING SURFACE LEVEL	135.88 136.06 135.95 135.95 135.92 135.98 136.25 136.3
OFFSET FROM CENTRELINE	-2.26 -2 0 0 2 2.6 3.2 3.27

**CH 820**



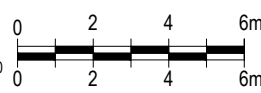
DATUM R.L. 133.00	
DESIGN SURFACE LEVEL	135.091 135.765 135.705 135.705 135.645 135.525 135.725
DEPTH CUT - / FILL +	0 0.31 0.14 0.14 -0.09 -4.37 -8.14
EXISTING SURFACE LEVEL	135.09 135.45 135.57 135.57 135.73 139.9 143.86
OFFSET FROM CENTRELINE	-2.54 -2 0 0 2 2.6 3.2

**CH 840**

**PRELIMINARY**

B	UPDATED CONCEPT DESIGN	CP	DW	AF	31.01.22	
A	CONCEPT DESIGN	CP	DW	AF	21.01.22	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date

VERTICAL SCALE 1:200  
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HORIZONTAL SCALE 1:200  
AT ORIGINAL SIZE



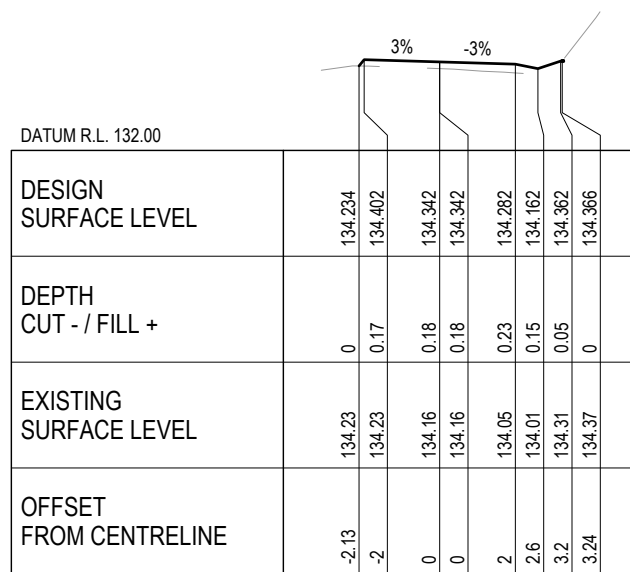
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	Approved (Project Director) Date	
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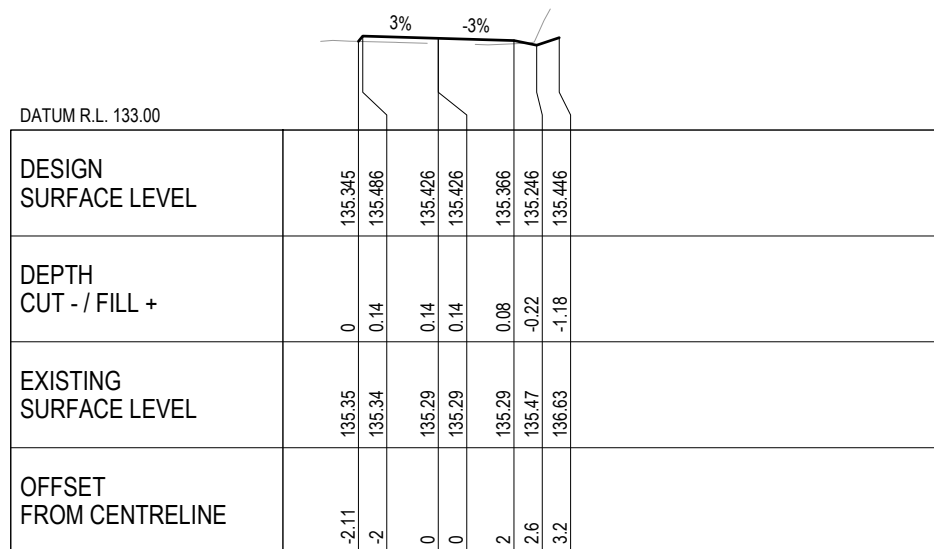
Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX CROSS SECTIONS - MC02 - SHEET 11 OF 22</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2511</b>
Rev:	<b>B</b>

**NOTES:**

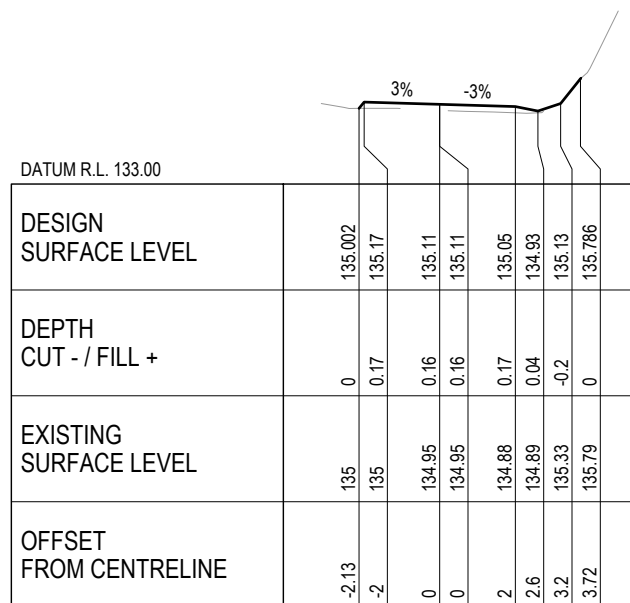
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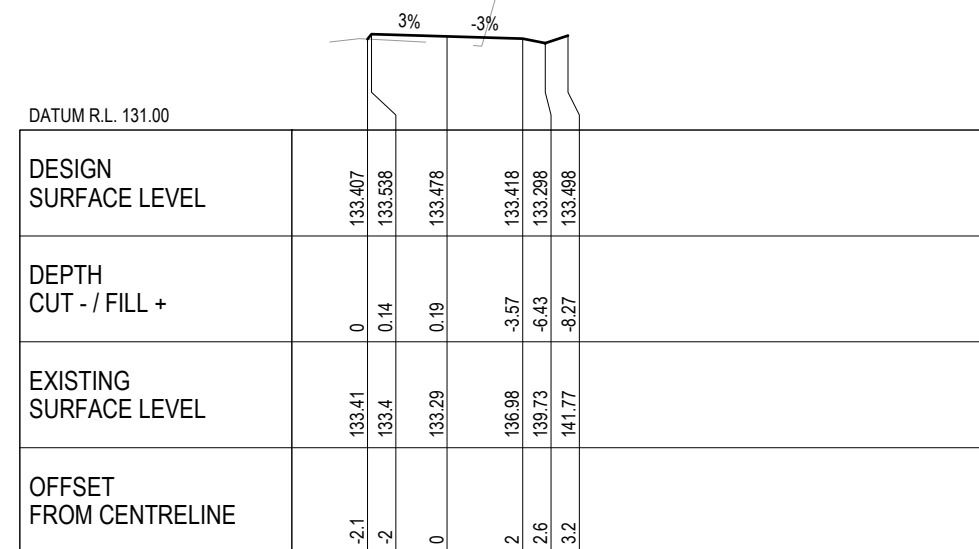
CH 900



CH 860



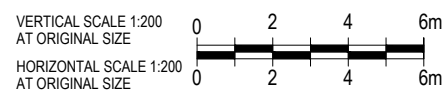
CH 880



CH 920

**PRELIMINARY**

B	UPDATED CONCEPT DESIGN	CP	DW	AF	31.01.22	
A	CONCEPT DESIGN	CP	DW	AF	21.01.22	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date



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	Approved (Project Director)	Date
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Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX CROSS SECTIONS - MC02 - SHEET 12 OF 22</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2512</b>
Rev:	<b>B</b>

**NOTES:**

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DATUM R.L. 131.00

DESIGN SURFACE LEVEL		132.927	133.039	132.979	132.919	132.799	132.999
DEPTH CUT - / FILL +		0	0.12	0.2	-0.82	-1.95	-2.85
EXISTING SURFACE LEVEL		132.93	132.92	132.78	133.73	134.75	135.85
OFFSET FROM CENTRELINE		-2.09	-2	0	2	2.6	3.2

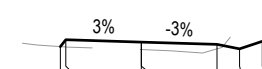
CH 940



DATUM R.L. 130.00

DESIGN SURFACE LEVEL		132.575	132.849	132.789	132.729	132.609	132.809	132.979
DEPTH CUT - / FILL +		0	0.24	0.22	0.28	0.21	0.43	0
EXISTING SURFACE LEVEL		132.58	132.61	132.57	132.45	132.4	132.38	132.98
OFFSET FROM CENTRELINE		-2.22	-2	0	2	2.6	3.2	4.9

CH 960



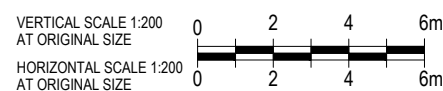
DATUM R.L. 131.00

DESIGN SURFACE LEVEL		132.519	132.698	132.638	132.638	132.578	132.458	132.658
DEPTH CUT - / FILL +		0	0.19	0.2	0.2	0.12	-0.62	-1.2
EXISTING SURFACE LEVEL		132.52	132.51	132.44	132.44	132.46	133.08	133.86
OFFSET FROM CENTRELINE		-2.14	-2	0	0	2	2.6	3.2

CH 980

**PRELIMINARY**

B	UPDATED CONCEPT DESIGN	CP	DW	AF	31.01.22	
A	CONCEPT DESIGN	CP	DW	AF	21.01.22	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date



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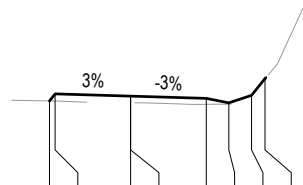
Drawn	C.PURDON	Designer	D.McCARTHY
Drafting Check		Design Check	
Approved (Project Director)			
Date			
Scale			

Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX CROSS SECTIONS - MC02 - SHEET 13 OF 22</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2513</b>
Rev:	<b>B</b>



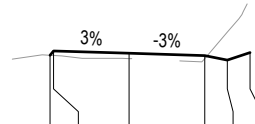
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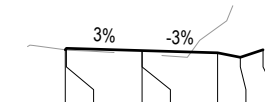
DATUM R.L. 130.00	
DESIGN SURFACE LEVEL	132.298 132.484 132.424 132.424 132.364 132.244 132.444 132.89
DEPTH CUT - / FILL +	0 0.19 0.18 0.18 0.16 0.03 -0.16 0
EXISTING SURFACE LEVEL	132.3 132.3 132.25 132.25 132.21 132.21 132.61 132.89
OFFSET FROM CENTRELINE	-2.15 -2 0 0 2 2.6 3.2 3.56

CH 1000



DATUM R.L. 130.00	
DESIGN SURFACE LEVEL	131.89 132.004 131.944 131.884 131.764 131.964
DEPTH CUT - / FILL +	0 0.12 0.14 0.08 -0.74 -1.43
EXISTING SURFACE LEVEL	131.89 131.89 131.8 131.8 132.5 133.4
OFFSET FROM CENTRELINE	-2.09 -2 0 2 2.6 3.2

CH 1020

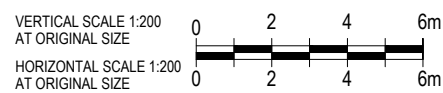


DATUM R.L. 130.00	
DESIGN SURFACE LEVEL	131.455 131.494 131.434 131.434 131.374 131.254 131.454
DEPTH CUT - / FILL +	0 0.04 0.1 0.1 -0.67 -1.86 -2.83
EXISTING SURFACE LEVEL	131.46 131.45 131.33 131.33 132.05 133.12 134.29
OFFSET FROM CENTRELINE	-2.03 -2 0 0 2 2.6 3.2

CH 1040

**PRELIMINARY**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
A	CONCEPT DESIGN		CP	DW	AF	21.01.22



<b>DO NOT SCALE</b>	Drawn C.PURDON	Designer D.McCARTHY
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	Approved (Project Director)	Date
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Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX CROSS SECTIONS - MC02 - SHEET 14 OF 22</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2514</b>
Rev:	<b>B</b>

NOTES:

- ROAD FORMATION DETAIL TO BE CONFIRMED AT EACH LOCATION DURING DETAILED DESIGN BASED ON AVAILABLE BUDGET, TAKING INTO ACCOUNT ROAD WIDTH, SAFETY, DRAINAGE AND POTENTIAL MINOR ROCK CUTTING.

DATUM R.L. 129.00

DESIGN SURFACE LEVEL		130.849	130.916	130.856	130.796	130.676	130.876	131.255
DEPTH CUT - / FILL +		0	0.07	0.14	0.17	0.08	-0.16	0
EXISTING SURFACE LEVEL		130.85	130.84	130.72	130.62	130.6	131.03	131.26
OFFSET FROM CENTRELINE		-2.13	-2	0	2	2.6	3.2	3.5

CH 1080

DATUM R.L. 128.00

DESIGN SURFACE LEVEL		130.273	130.445	130.385	130.385	130.325	130.205	130.405	130.493
DEPTH CUT - / FILL +		0	0.18	0.22	0.22	0.22	0.14	0.4	0
EXISTING SURFACE LEVEL		130.27	130.26	130.17	130.17	130.1	130.07	130.01	130.49
OFFSET FROM CENTRELINE		-2.17	-2	0	0	2	2.6	3.2	4.08

CH 1120

DATUM R.L. 127.00

DESIGN SURFACE LEVEL		128.863	129.301	129.241	129.241	129.181	129.061	129.261	129.365
DEPTH CUT - / FILL +		0	0.4	0.36	0.36	0.29	0.19	0.38	0
EXISTING SURFACE LEVEL		128.86	128.9	128.88	128.88	128.89	128.87	128.88	129.36
OFFSET FROM CENTRELINE		-2.44	-2	0	0	2	2.6	3.2	4.24

CH 1160

DATUM R.L. 129.00

DESIGN SURFACE LEVEL		130.798	131.035	130.975	130.915	130.795	130.995
DEPTH CUT - / FILL +		0	0.21	0.18	0.09	-0.11	-0.63
EXISTING SURFACE LEVEL		130.8	130.83	130.79	130.82	130.91	131.63
OFFSET FROM CENTRELINE		-2.19	-2	0	2	2.6	3.2

CH 1060

DATUM R.L. 129.00

DESIGN SURFACE LEVEL		130.709	130.778	130.718	130.658	130.538	130.738	130.903
DEPTH CUT - / FILL +		0	0.1	0.17	0.21	0.13	0.37	0
EXISTING SURFACE LEVEL		130.71	130.67	130.55	130.45	130.41	130.36	130.9
OFFSET FROM CENTRELINE		-2.28	-2	0	2	2.6	3.2	4.85

CH 1100

DATUM R.L. 128.00

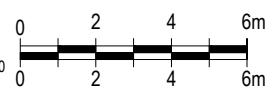
DESIGN SURFACE LEVEL		129.796	129.913	129.853	129.853	129.793	129.673	129.873	129.911
DEPTH CUT - / FILL +		0	0.13	0.21	0.21	0.23	0.06	0.07	0
EXISTING SURFACE LEVEL		129.8	129.78	129.64	129.64	129.57	129.61	129.8	129.91
OFFSET FROM CENTRELINE		-2.12	-2	0	0	2	2.6	3.2	3.58

CH 1140

PRELIMINARY

B	UPDATED CONCEPT DESIGN	CP	DW	AF	31.01.22	
A	CONCEPT DESIGN	CP	DW	AF	21.01.22	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date

VERTICAL SCALE 1:200  
AT ORIGINAL SIZE  
HORIZONTAL SCALE 1:200  
AT ORIGINAL SIZE



GHD Tower, Level 3 24 Honeysuckle Drive  
Newcastle NSW 2300 Australia  
PO Box 5403 Hunter Rgn Mail Cent, NSW 2310  
T 61 2 4979 9999 F 61 2 4979 9988  
E ntlmail@ghd.com W www.ghd.com

DO NOT SCALE

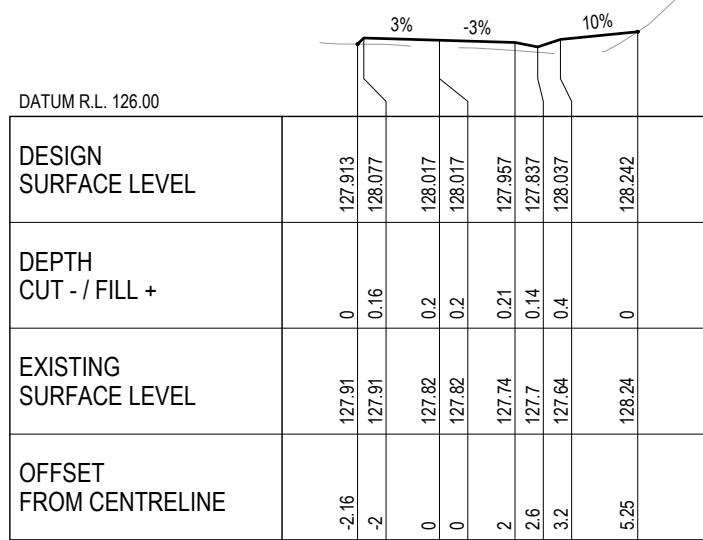
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Drawn	C.PURDON	Designer	D.McCARTHY
Drafting Check		Design Check	
Approved (Project Director)		Date	
Scale		This Drawing must not be used for Construction unless signed as Approved	

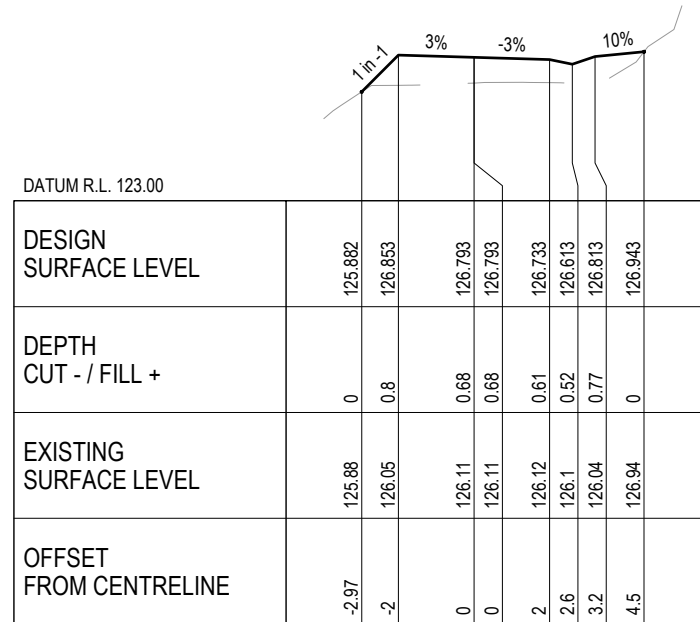
Client	ARMIDALE REGIONAL COUNCIL
Project	KEMPSEY-ARMIDALE ROAD RECOVERY WORKS
Title	FLYING FOX CROSS SECTIONS - MC02 - SHEET 15 OF 22
Original Size	A3
Drawing No:	12562718-C2515
Rev:	B

**NOTES:**

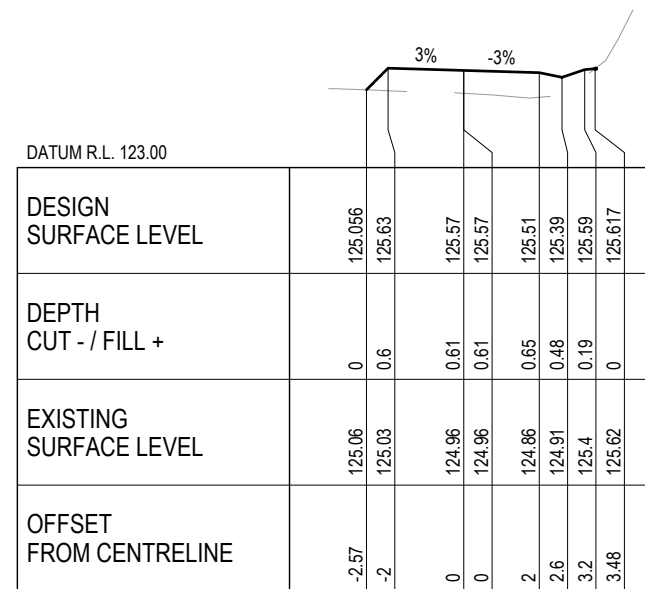
- ROAD FORMATION DETAIL TO BE CONFIRMED AT EACH LOCATION DURING DETAILED DESIGN BASED ON AVAILABLE BUDGET, TAKING INTO ACCOUNT ROAD WIDTH, SAFETY, DRAINAGE AND POTENTIAL MINOR ROCK CUTTING.



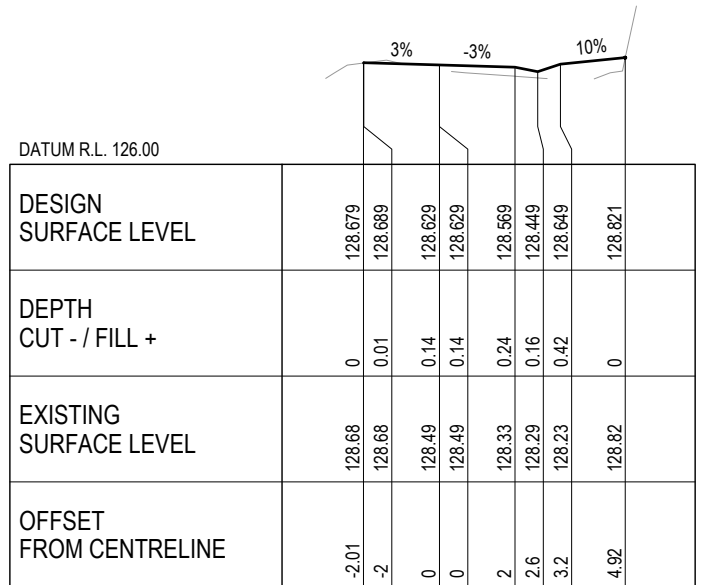
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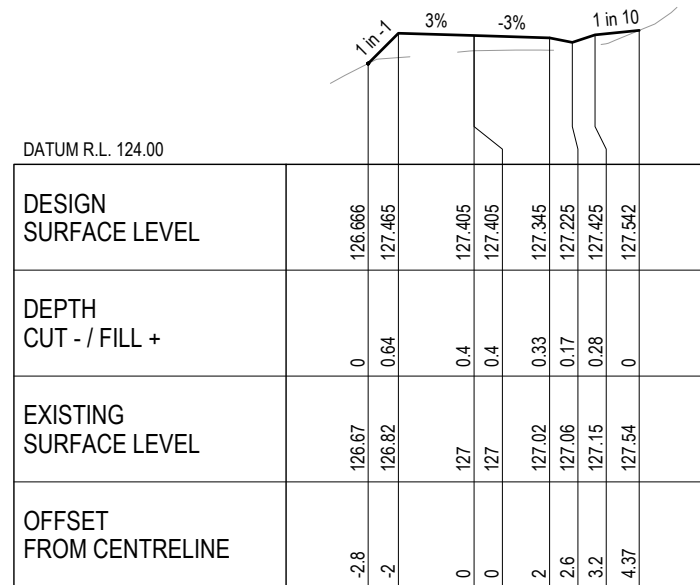
**CH 1240**



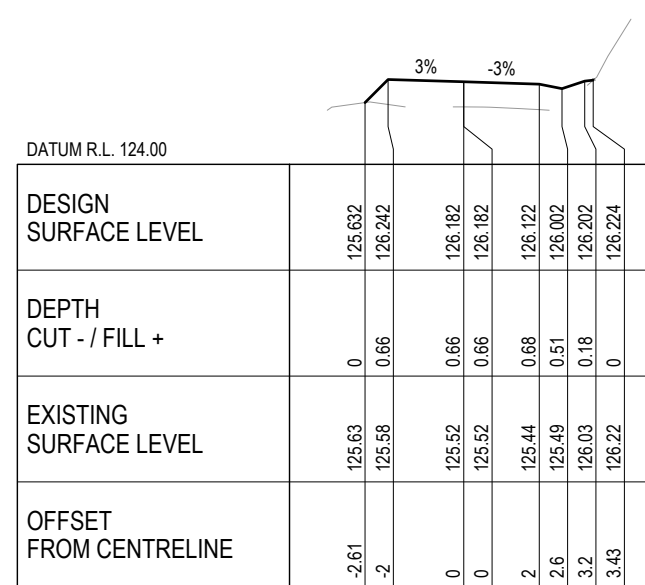
**CH 1280**



**CH 1180**



**CH 1220**

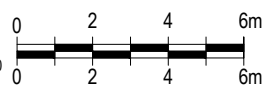


**CH 1260**

**PRELIMINARY**

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A	CONCEPT DESIGN	CP	DW	AF	21.01.22	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date

VERTICAL SCALE 1:200  
AT ORIGINAL SIZE  
HORIZONTAL SCALE 1:200  
AT ORIGINAL SIZE



**DO NOT SCALE**

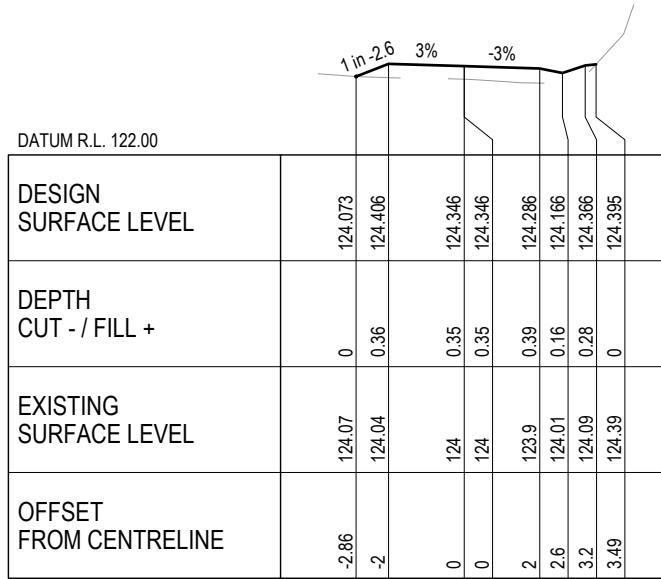
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Drafting		Design	Check
Approved		(Project Director)	
Date			
Scale		This Drawing must not be used for Construction unless signed as Approved	

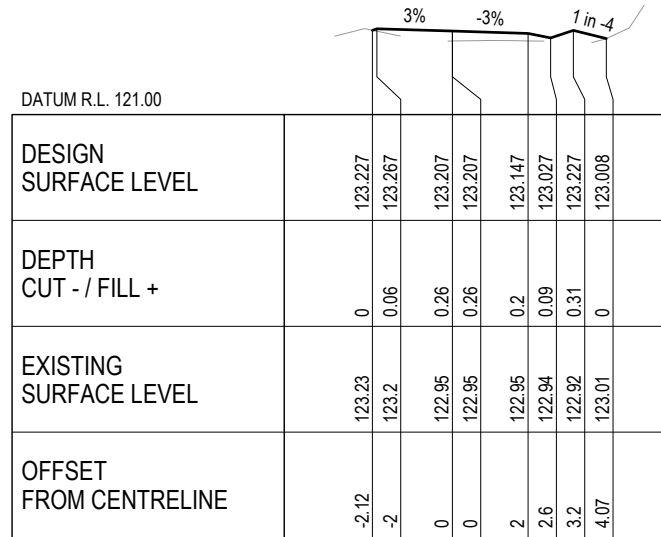
Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX CROSS SECTIONS - MC02 - SHEET 16 OF 22</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2516</b>
Rev:	<b>B</b>

**NOTES:**

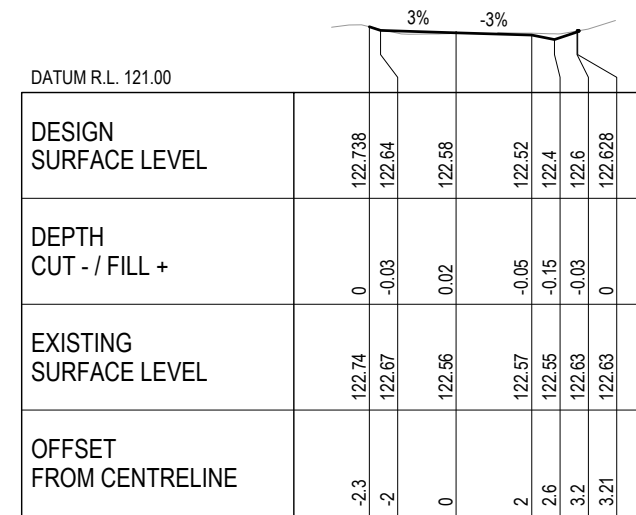
- ROAD FORMATION DETAIL TO BE CONFIRMED AT EACH LOCATION DURING DETAILED DESIGN BASED ON AVAILABLE BUDGET, TAKING INTO ACCOUNT ROAD WIDTH, SAFETY, DRAINAGE AND POTENTIAL MINOR ROCK CUTTING.



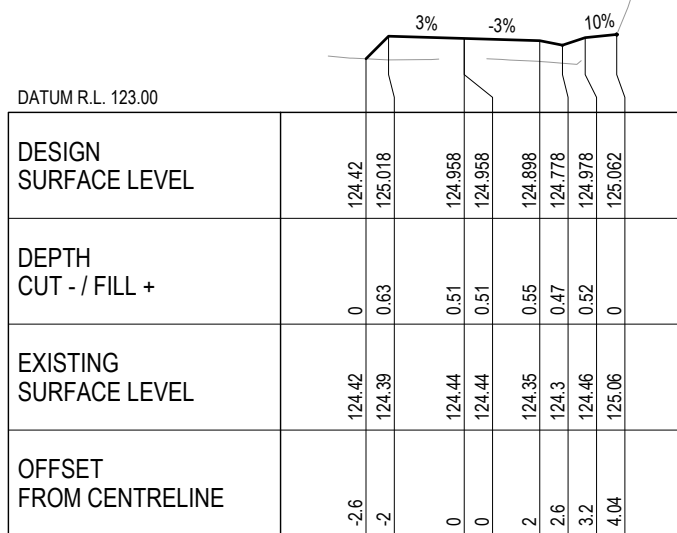
**CH 1320**



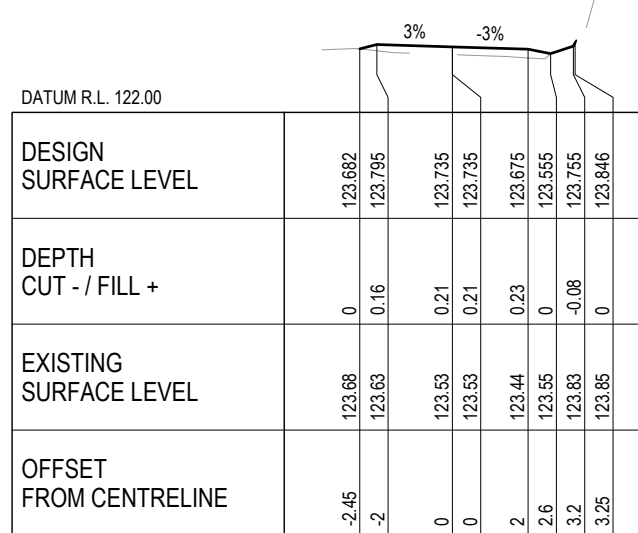
**CH 1360**



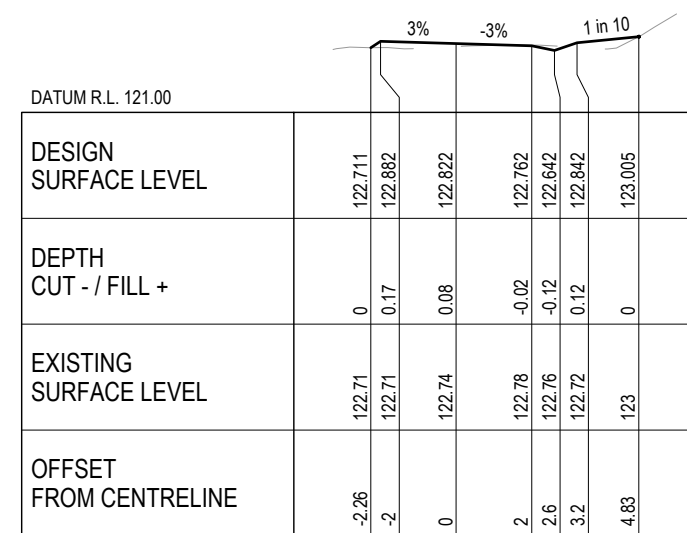
**CH 1400**



**CH 1300**



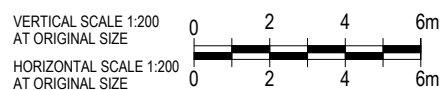
**CH 1340**



**CH 1380**

**PRELIMINARY**

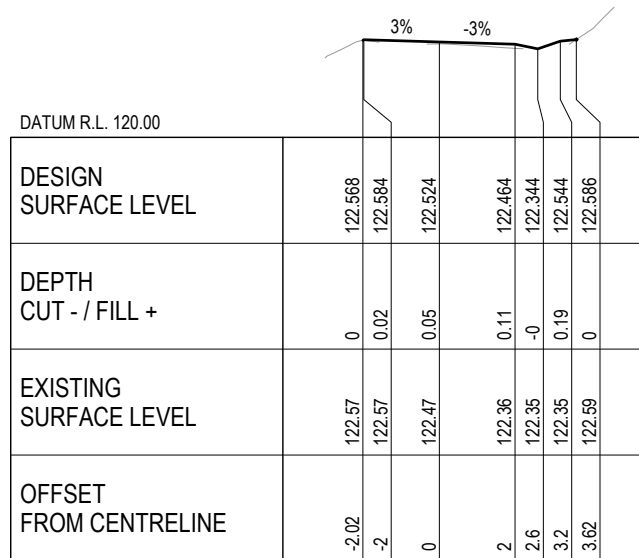
No	Revision	Note	Drawn	Job Manager	Project Director	Date
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A	CONCEPT DESIGN		CP	DW	AF	21.01.22



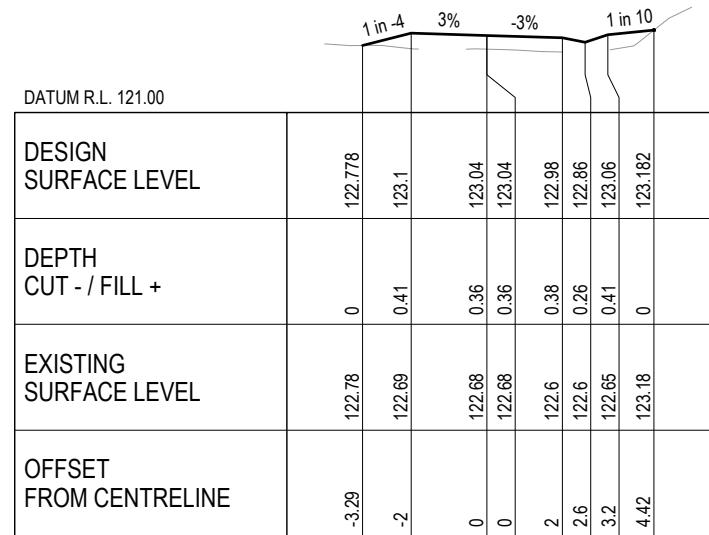
DO NOT SCALE		Drawn	Designer	Client
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Scale		Drafting Check	Design Check	Project
		Approved (Project Director)	Date	KEMPSEY-ARMIDALE ROAD RECOVERY WORKS
		This Drawing must not be used for Construction unless signed as Approved		Title
		Original Size		FLYING FOX
		A3		CROSS SECTIONS - MC02 - SHEET 17 OF 22
		Drawing No: 12562718-C2517		Rev: B

**NOTES:**

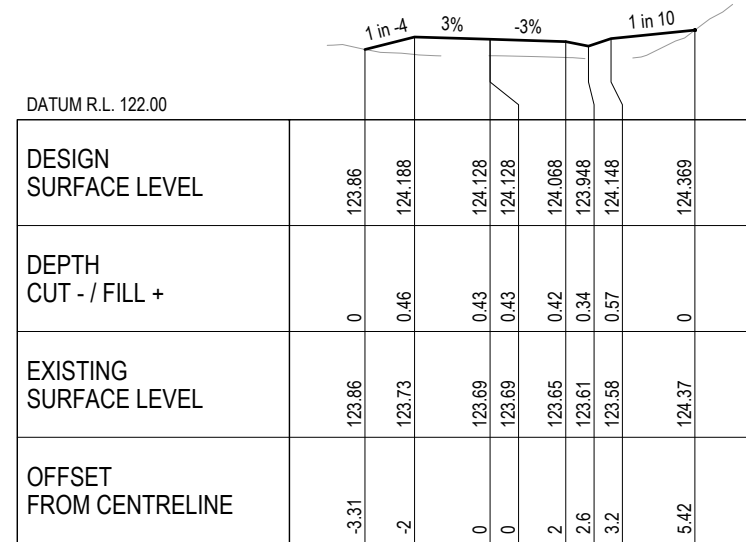
- ROAD FORMATION DETAIL TO BE CONFIRMED AT EACH LOCATION DURING DETAILED DESIGN BASED ON AVAILABLE BUDGET, TAKING INTO ACCOUNT ROAD WIDTH, SAFETY, DRAINAGE AND POTENTIAL MINOR ROCK CUTTING.



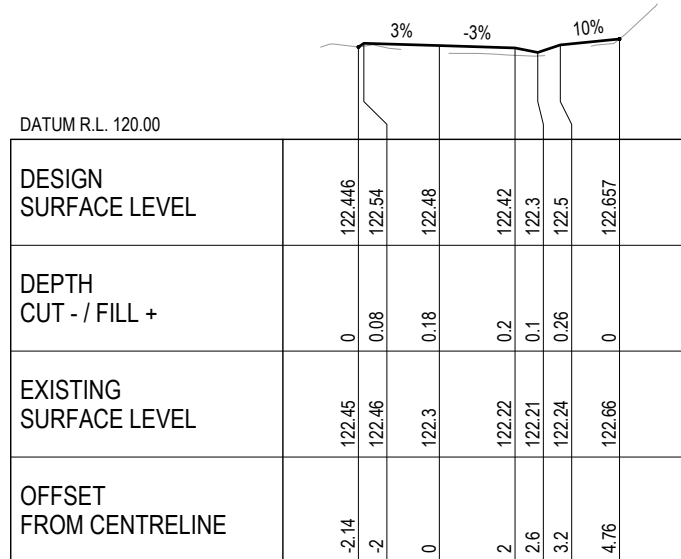
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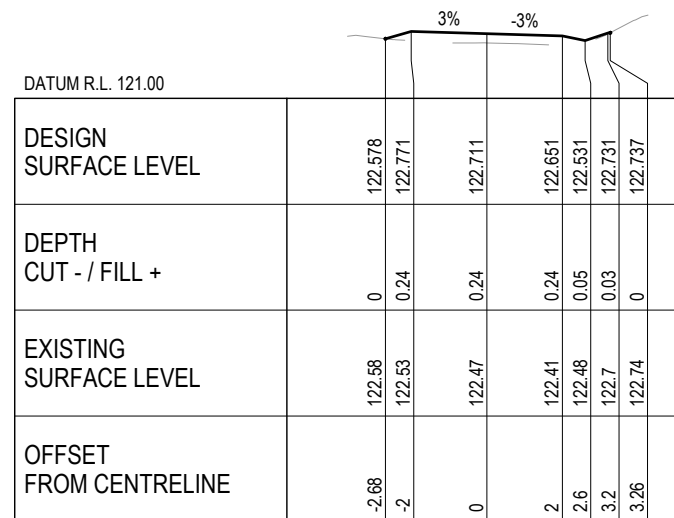
**CH 1480**



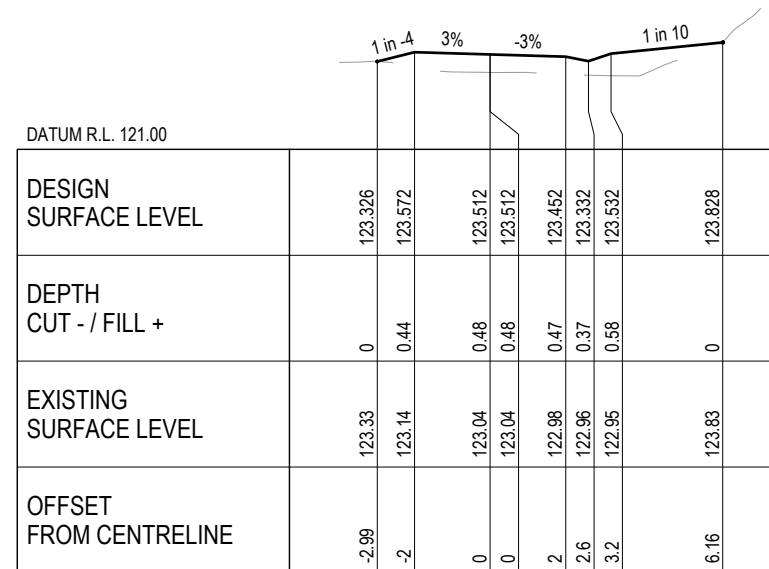
**CH 1520**



**CH 1420**



**CH 1460**

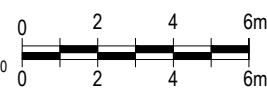


**CH 1500**

**PRELIMINARY**

B	UPDATED CONCEPT DESIGN	CP	DW	AF	31.01.22	
A	CONCEPT DESIGN	CP	DW	AF	21.01.22	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date

VERTICAL SCALE 1:200  
AT ORIGINAL SIZE  
HORIZONTAL SCALE 1:200  
AT ORIGINAL SIZE

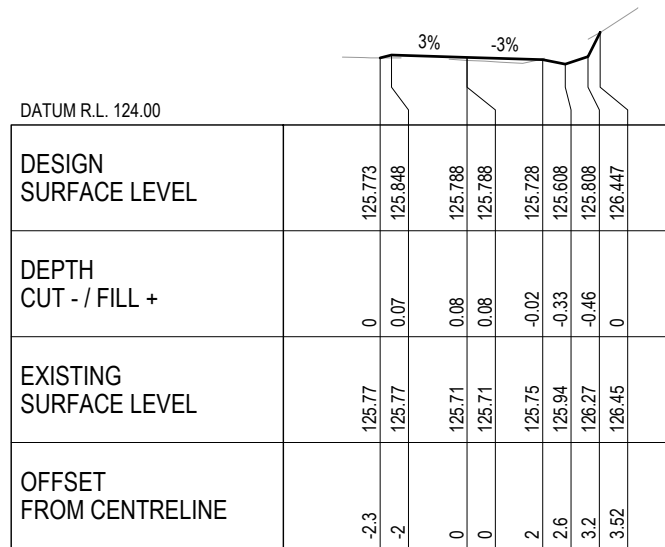


<b>DO NOT SCALE</b>	Drawn C.PURDON	Designer D.McCARTHY
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	Approved (Project Director)	Date
	Scale	This Drawing must not be used for Construction unless signed as Approved

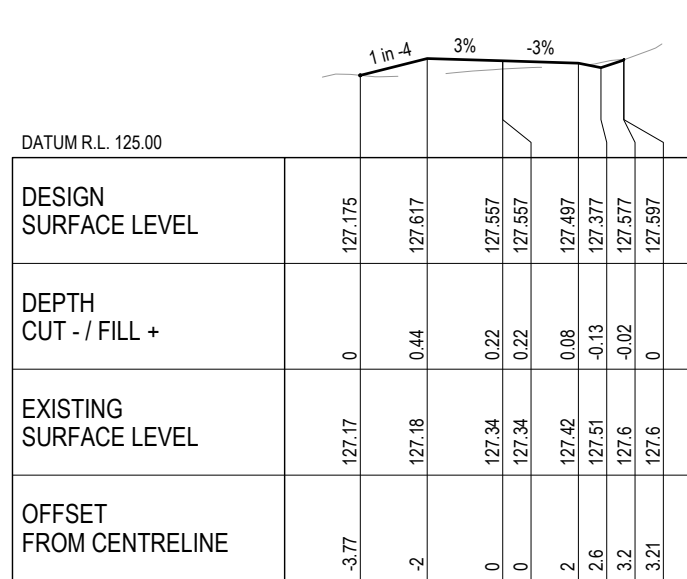
Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX CROSS SECTIONS - MC02 - SHEET 18 OF 22</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2518</b>
Rev:	<b>B</b>

**NOTES:**

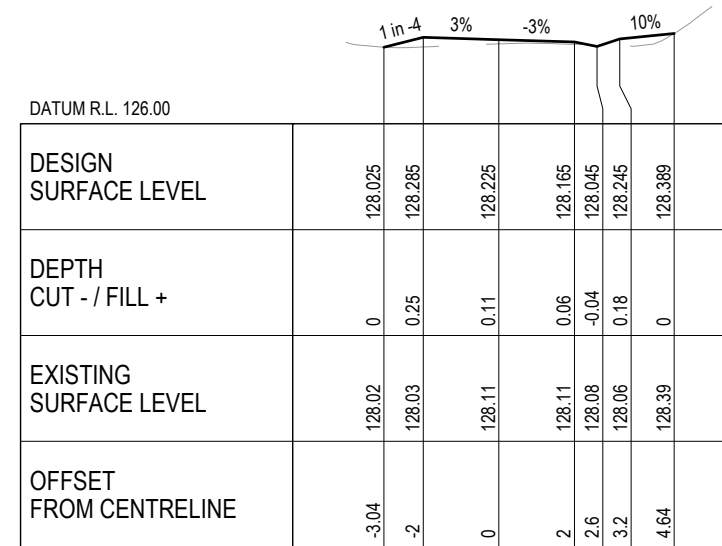
- ROAD FORMATION DETAIL TO BE CONFIRMED AT EACH LOCATION DURING DETAILED DESIGN BASED ON AVAILABLE BUDGET, TAKING INTO ACCOUNT ROAD WIDTH, SAFETY, DRAINAGE AND POTENTIAL MINOR ROCK CUTTING.



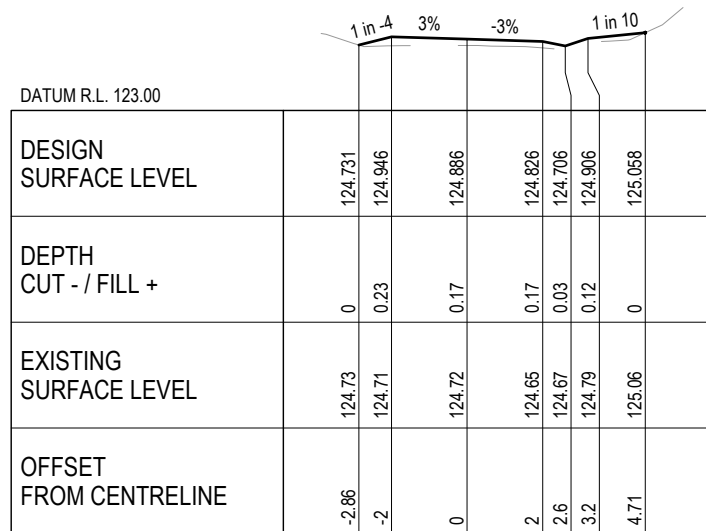
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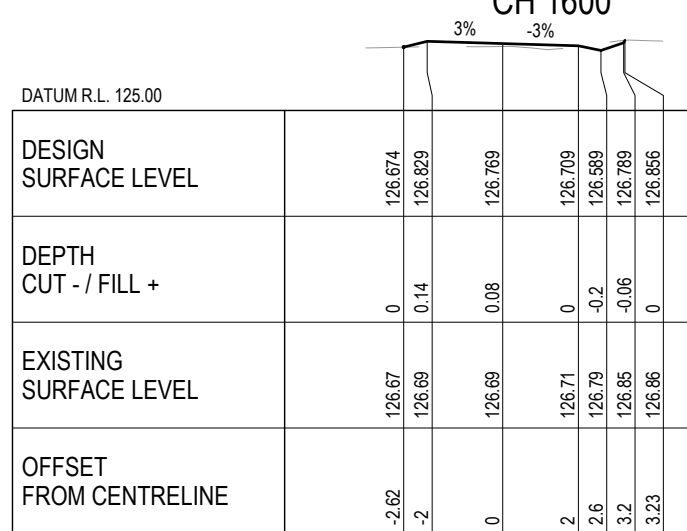
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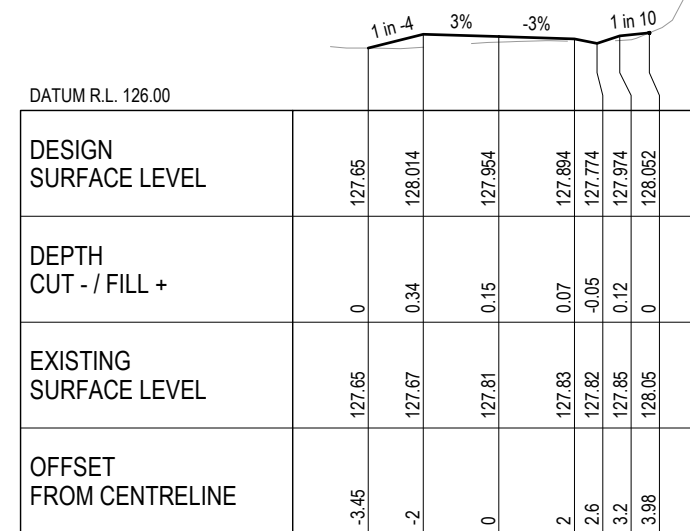
**CH 1640**



**CH 1540**



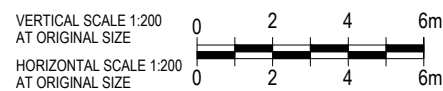
**CH 1580**



**CH 1620**

**PRELIMINARY**

No	Revision	Note	Drawn	Job Manager	Project Director	Date
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A	CONCEPT DESIGN		CP	DW	AF	21.01.22



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Scale		Drafting Check	Design Check	Project
		Approved (Project Director)	Date	KEMPSEY-ARMIDALE ROAD RECOVERY WORKS
		This Drawing must not be used for Construction unless signed as Approved		Title
		Original Size		FLYING FOX
		A3		CROSS SECTIONS - MC02 - SHEET 19 OF 22
		Drawing No: 12562718-C2519		Rev: B

**NOTES:**

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DATUM R.L. 127.00

DESIGN SURFACE LEVEL		128.74	128.944		128.884	128.884	128.824	128.704	128.904	131.41
DEPTH CUT - / FILL +		0	0.2		0.11	0.11	0.12	-0.09	-0.46	0
EXISTING SURFACE LEVEL		128.74	128.75		128.77	128.77	128.71	128.79	129.36	131.41
OFFSET FROM CENTRELINE		-2.81	-2		0	0	2	2.6	3.2	4.45

CH 1680

DATUM R.L. 128.00

DESIGN SURFACE LEVEL		130.18	130.198	130.138	130.078	129.958	130.158	131.366
DEPTH CUT - / FILL +		0	0.03	0.15	0.27	0.15	-0.31	0
EXISTING SURFACE LEVEL		130.18	130.17	129.98	129.81	129.81	130.46	131.37
OFFSET FROM CENTRELINE		-2.07	-2	0	2	2.6	3.2	3.8

CH 1720

DATUM R.L. 129.00

DESIGN SURFACE LEVEL		130.88	131.035	130.975	130.915	130.795	130.995
DEPTH CUT - / FILL +		0	0.25	0.16	0.14	-0.04	0.01
EXISTING SURFACE LEVEL		130.88	130.78	130.81	130.78	130.83	130.99
OFFSET FROM CENTRELINE		-2.62	-2	0	2	2.6	3.2

CH 1760

DATUM R.L. 124.00

DESIGN SURFACE LEVEL		126.631	128.556	128.496	128.436	128.316	128.516
DEPTH CUT - / FILL +		0	0.36	0.21	-1.38	-2.3	-2.87
EXISTING SURFACE LEVEL		126.63	128.2	128.29	129.81	130.62	131.38
OFFSET FROM CENTRELINE		-3.93	-2	0	2	2.6	3.2

CH 1660

DATUM R.L. 127.00

DESIGN SURFACE LEVEL		129.489	129.569	129.509	129.449	129.329	129.529	129.617
DEPTH CUT - / FILL +		0	0.14	0.12	0.16	0.11	0.33	0
EXISTING SURFACE LEVEL		129.49	129.43	129.39	129.28	129.22	129.2	129.62
OFFSET FROM CENTRELINE		-2.32	-2	0	2	2.6	3.2	4.08

CH 1700

DATUM R.L. 129.00

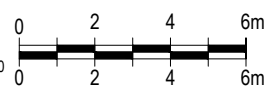
DESIGN SURFACE LEVEL		130.715	130.734	130.674	130.614	130.494	130.694	130.732
DEPTH CUT - / FILL +		0	0.04	0.07	0.11	0.03	0.18	0
EXISTING SURFACE LEVEL		130.72	130.7	130.6	130.51	130.46	130.52	130.73
OFFSET FROM CENTRELINE		-2.07	-2	0	2	2.6	3.2	3.58

CH 1740

**PRELIMINARY**

B	UPDATED CONCEPT DESIGN	CP	DW	AF	31.01.22	
A	CONCEPT DESIGN	CP	DW	AF	21.01.22	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date

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HORIZONTAL SCALE 1:200  
AT ORIGINAL SIZE



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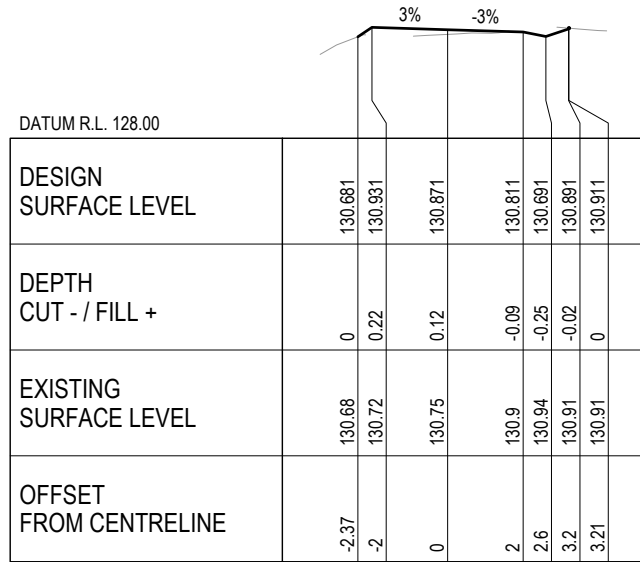
Drawn C.PURDON  
Designer D.McCARTHY  
Drafting Check  
Design Check  
Approved (Project Director)  
Date  
Scale

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

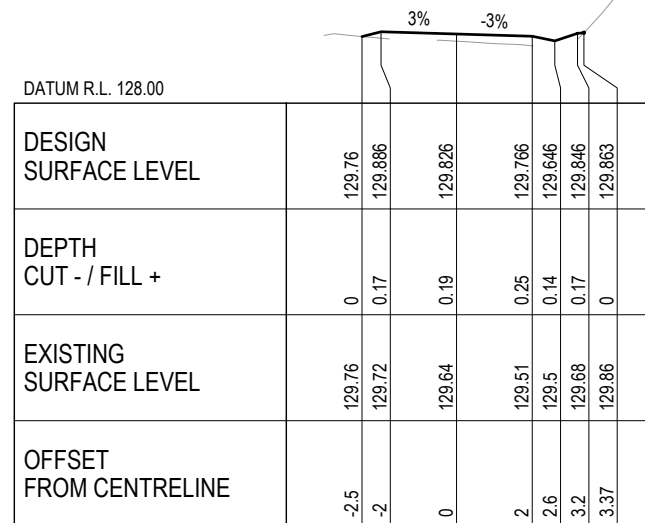
Client **ARMIDALE REGIONAL COUNCIL**  
Project **KEMPSEY-ARMIDALE ROAD RECOVERY WORKS**  
Title **FLYING FOX CROSS SECTIONS - MC02 - SHEET 20 OF 22**  
Original Size **A3**  
Drawing No: **12562718-C2520**  
Rev: **B**

**NOTES:**

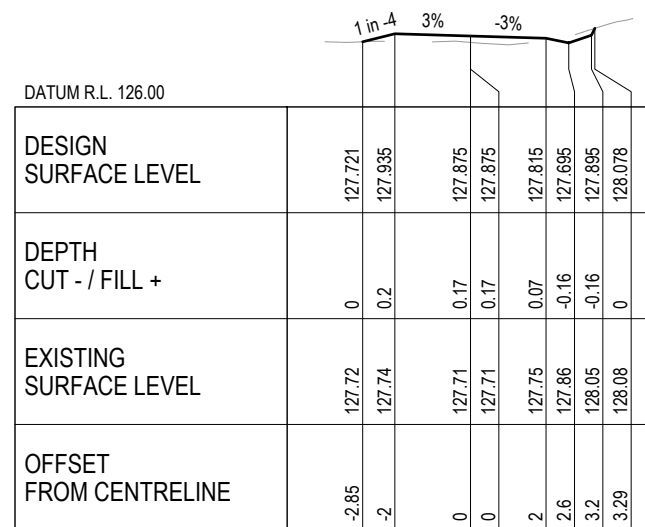
- ROAD FORMATION DETAIL TO BE CONFIRMED AT EACH LOCATION DURING DETAILED DESIGN BASED ON AVAILABLE BUDGET, TAKING INTO ACCOUNT ROAD WIDTH, SAFETY, DRAINAGE AND POTENTIAL MINOR ROCK CUTTING.



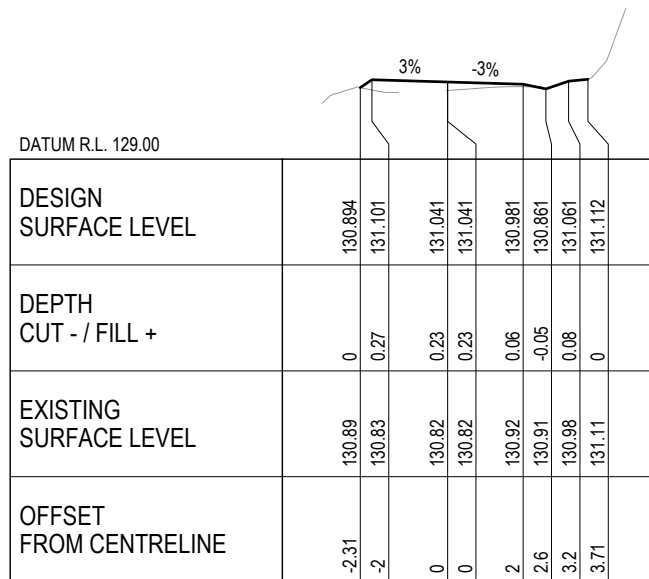
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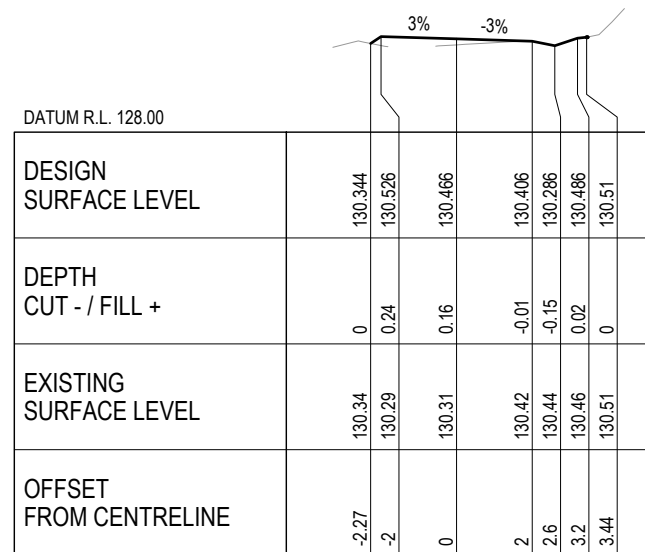
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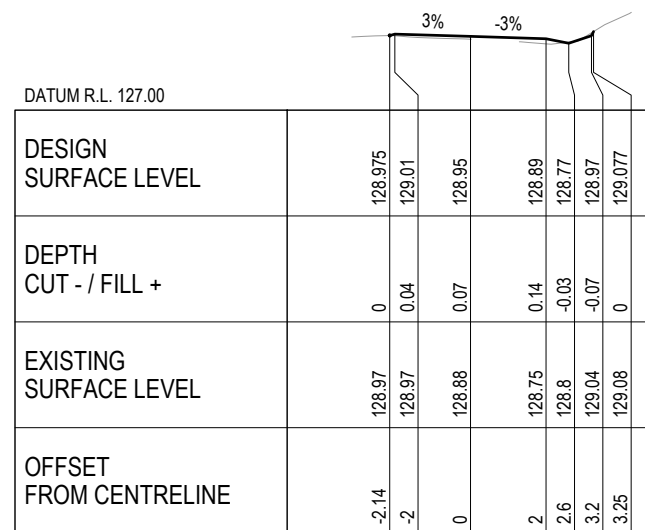
**CH 1880**



**CH 1780**



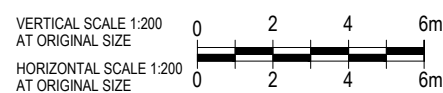
**CH 1820**



**CH 1860**

**PRELIMINARY**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
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A	CONCEPT DESIGN		CP	DW	AF	21.01.22



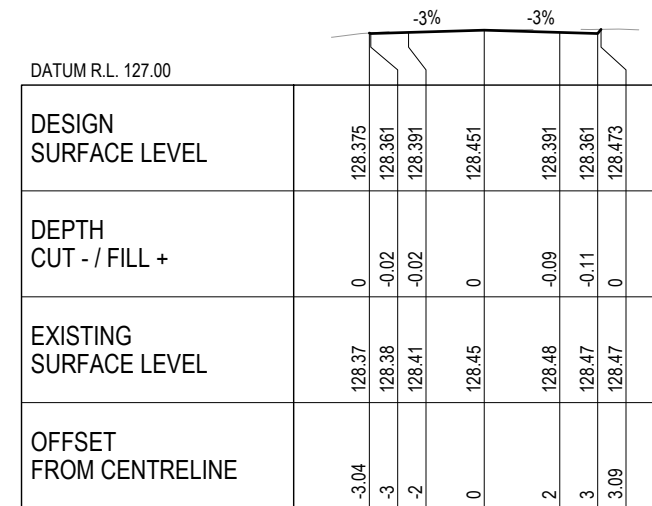
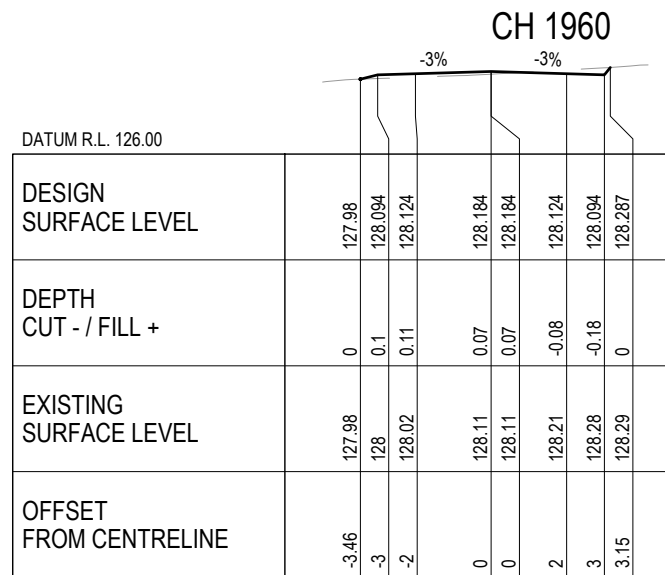
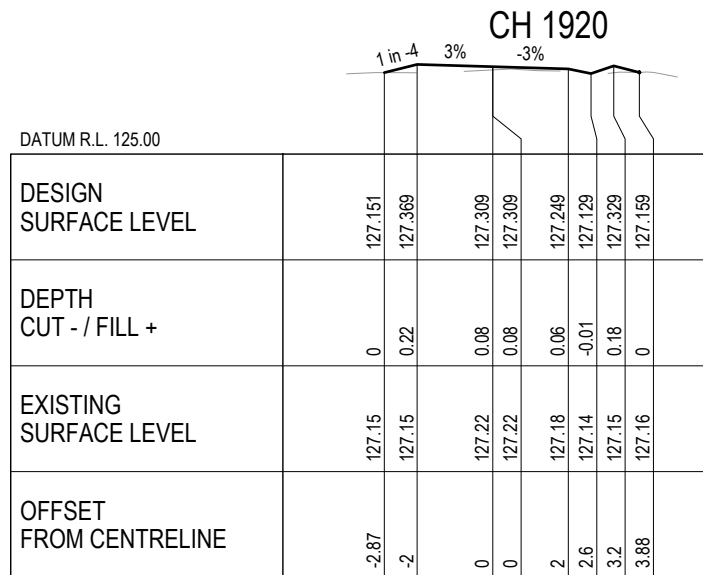
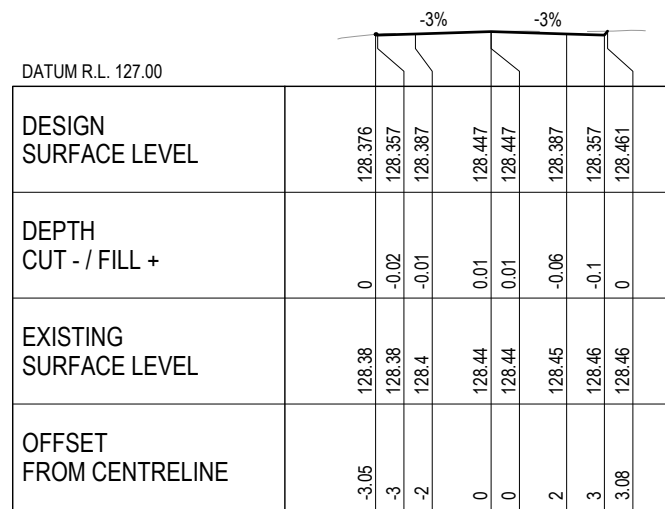
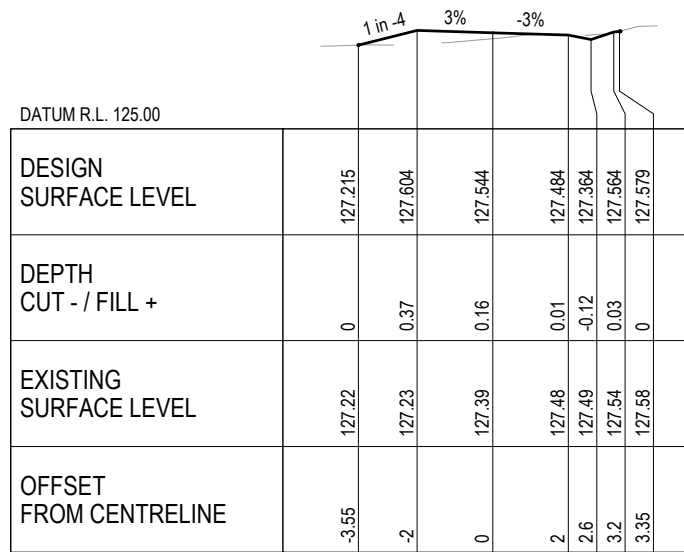
DO NOT SCALE		Drawn	Designer
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		Drafting Check	Design Check
		Approved (Project Director)	Date
		Scale	This Drawing must not be used for Construction unless signed as Approved

Client	Project	Title	Original Size	Drawing No:	Rev:
ARMIDALE REGIONAL COUNCIL	KEMPSEY-ARMIDALE ROAD RECOVERY WORKS	FLYING FOX CROSS SECTIONS - MC02 - SHEET 21 OF 22	A3	12562718-C2521	B



**NOTES:**

- ROAD FORMATION DETAIL TO BE CONFIRMED AT EACH LOCATION DURING DETAILED DESIGN BASED ON AVAILABLE BUDGET, TAKING INTO ACCOUNT ROAD WIDTH, SAFETY, DRAINAGE AND POTENTIAL MINOR ROCK CUTTING.

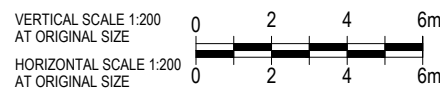


CH 1900

CH 1940

CH 1961

No	Revision	Note	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
A	CONCEPT DESIGN		CP	DW	AF	21.01.22



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Drawn	C.PURDON	Designer	D.McCARTHY
Drafting Check		Design Check	
Approved (Project Director)		Date	
Scale		This Drawing must not be used for Construction unless signed as Approved	

Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX CROSS SECTIONS - MC02 - SHEET 22 OF 22</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2522</b>
Rev:	<b>B</b>

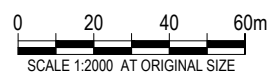
**PRELIMINARY**



CATCHMENT PLAN  
SCALE : 2000

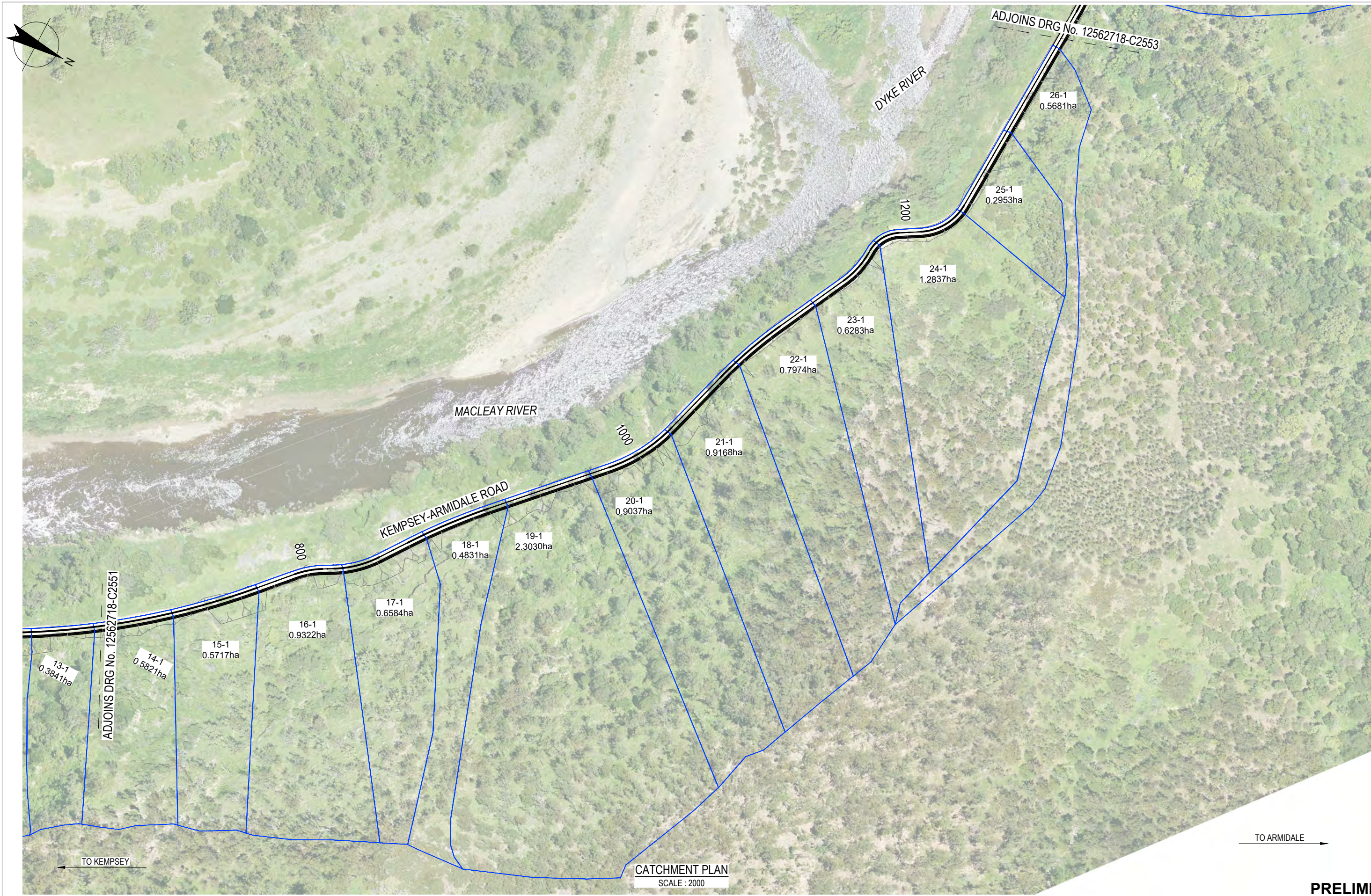
**PRELIMINARY**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
A	CONCEPT DESIGN		CP	DW	AF	21.01.22



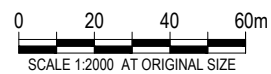
DO NOT SCALE	
Drawn	C.PURDON
Designer	D.McCARTHY
Drafting Check	Design Check
Approved (Project Director)	Date
Scale	AS SHOWN

Client	ARMIDALE REGIONAL COUNCIL
Project	KEMPSEY-ARMIDALE ROAD RECOVERY WORKS
Title	FLYING FOX CATCHMENT PLAN - SHEET 1 OF 3
Original Size	A3
Drawing No:	12562718-C2551
Rev:	B



**PRELIMINARY**

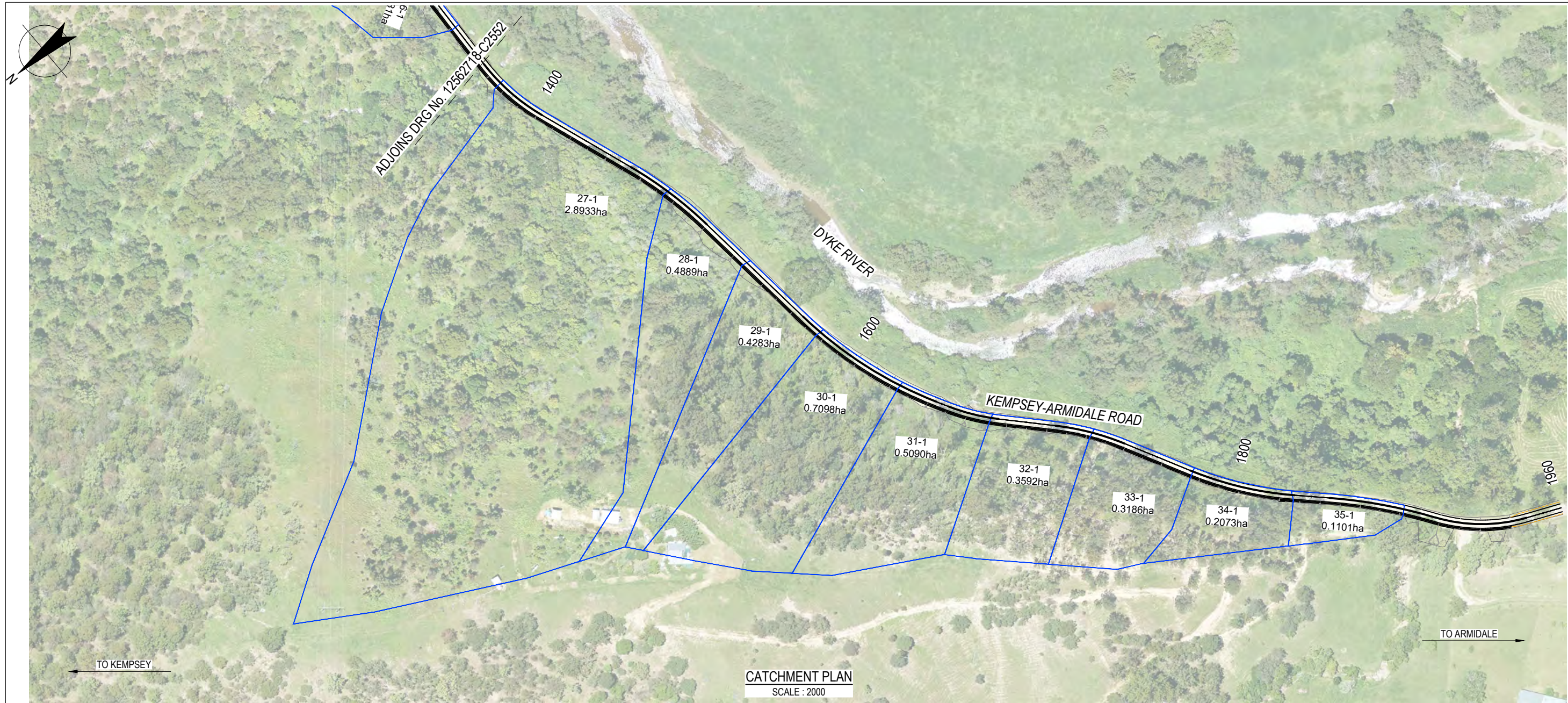
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
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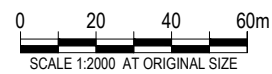
Drawn	C.PURDON	Designer	D.McCARTHY
Drafting Check		Design Check	
Approved (Project Director)		Date	
Scale	AS SHOWN	This Drawing must not be used for Construction unless signed as Approved	

Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX CATCHMENT PLAN - SHEET 2 OF 3</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2552</b>
Rev:	<b>B</b>



**PRELIMINARY**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
B	UPDATED CONCEPT DESIGN		CP	DW	AF	31.01.22
A	CONCEPT DESIGN		CP	DW	AF	21.01.22



DO NOT SCALE	
Drawn	C.PURDON
Designer	D.McCARTHY
Drafting Check	Design Check
Approved (Project Director)	Date
Scale	AS SHOWN

Client	<b>ARMIDALE REGIONAL COUNCIL</b>
Project	<b>KEMPSEY-ARMIDALE ROAD RECOVERY WORKS</b>
Title	<b>FLYING FOX CATCHMENT PLAN - SHEET 3 OF 3</b>
Original Size	<b>A3</b>
Drawing No:	<b>12562718-C2553</b>
Rev:	<b>B</b>