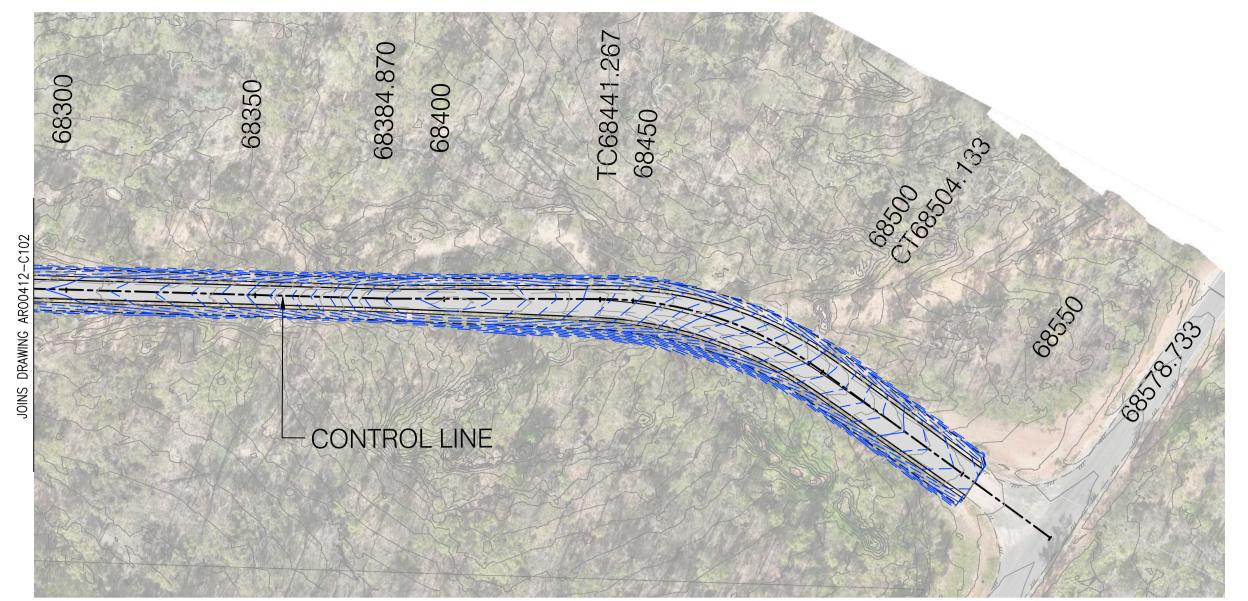


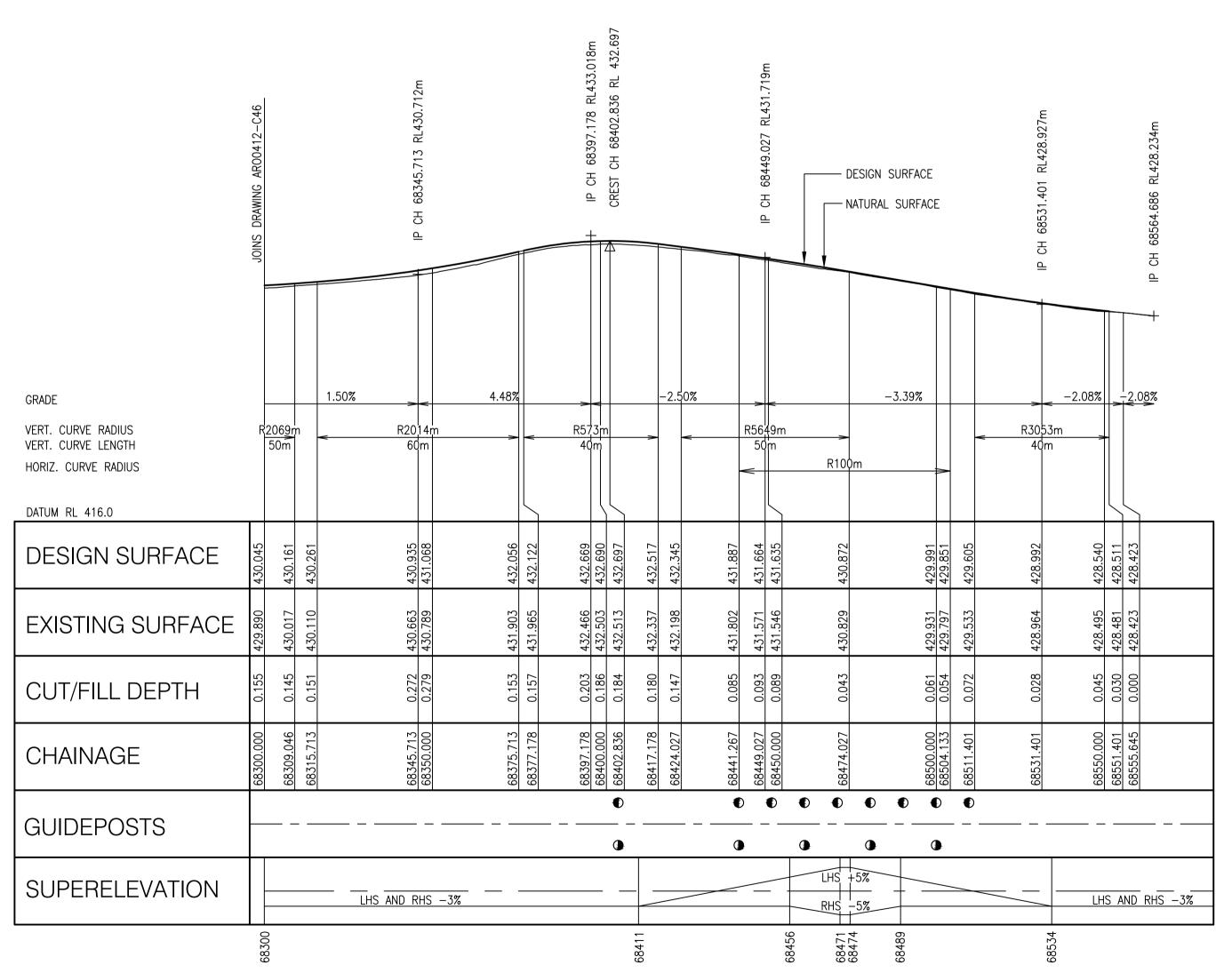
### LINEMARKING DIMENSIONS TABLE

TYPE (FROM AS1742.2)	DESCRIPTION	LENGTH (mm)	GAP (mm)	WIDTH (mm)
LL4	SINGLE CONTINUOUS LANE LINE	_	_	100

LINEMARKING (WHITE PAINT) AND SIGNAGE TO BE IN ACCORDANCE WITH AS1742.2 — 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES'.



PLAN SCALE 1:1000



DESIGN CONTROL LINE LONGITUDINAL SECTION
SCALE 1:1000 HOR, 1:200 VERT

Drawing No.

No. | Description | Reviewed | Approved | Date | Cl

HORIZ. SCALE 1:1000

0 2 4 6 8 10m

VERT. SCALE 1:200

0 10 20 30 40 50m 0 10 20 30 40 50m (A1)

SCALE 1:1000 (A1)



BANANA SHIRE COUNCIL	Orawn MS	Designed MS	Approved		Scale (A1 size)	
DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIO	IVIO			AS SHOWN	
WORKING PLAN - SHEET 47 OF 47	Drawing Check	Design Check	RPEQ	Date	Drawing is not to be used for construction unless approved.	



1. REFER TO DRAWING AROO412-C49 FOR LEGEND

TENDER ISSUE ONLY

AND AROO412-CO1 FOR NOTES.

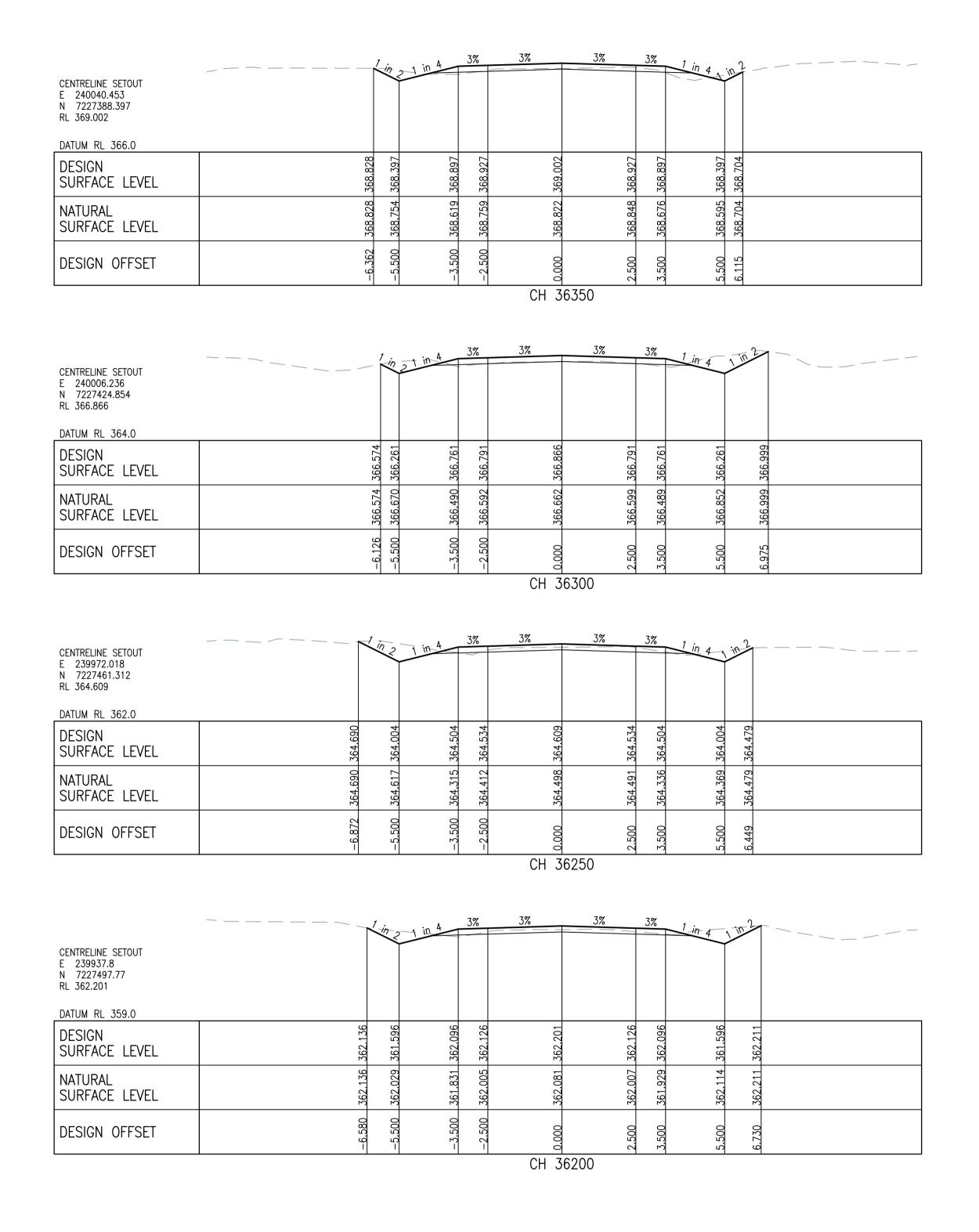
NOTES

51 Sheridan Street
Cairns Qld 4870

T (07) 4281 6897
E admin@aroindustries.com.au
W www.aroindustries.com.au

ABN: 49 641 461 298

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		1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
CENTRELINE SETOUT E 240244.755 N 7227168.717 RL 378.03									
DESIGN SURFACE LEVEL	377.636	4 4	377.955	378.030	377.955	377.925	377.425	378.257	
NATURAL SURFACE LEVEL	377.636		377.815	377.832	377.783	00	378.500	378.257	
DESIGN OFFSET	-5.921	-3.500	-2.500	0.000	2.500	3.500	5.500	7.163	
				CH 3	6650				

CENTRELINE SETOUT E 240210.859 N 7227205.474 RL 377.873		1 in 4	3%	3% 3%	3%	1 in 4	1-in 2	
DESIGN SURFACE LEVEL	377.292	1 1	377.798	377.873	7.7	377.268	377.928	
NATURAL SURFACE LEVEL	377.292	7	377.320	377.419		377.662	377.928	
DESIGN OFFSET	-5.549	-3.500	-2.500	0.000	•	5.500	6.820	
				CH 36600				

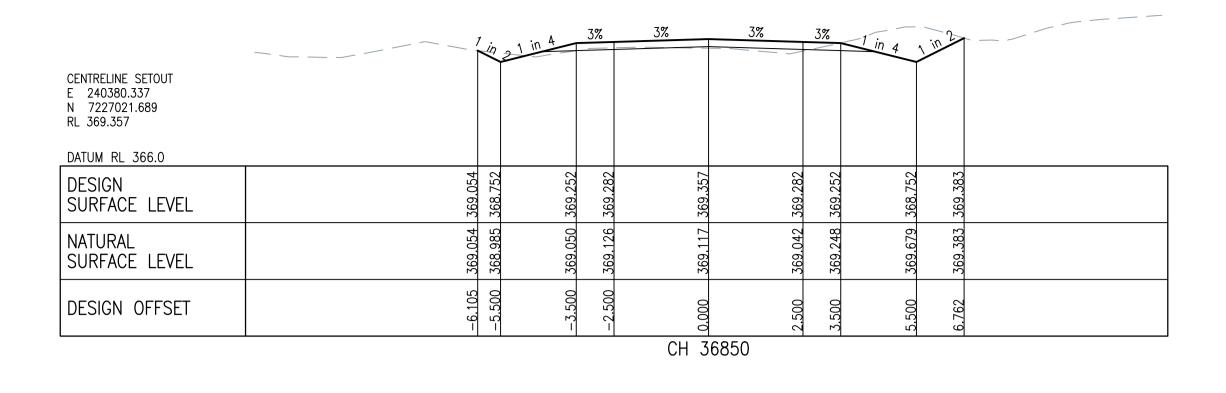
CENTRELINE SETOUT E 240143.068 N 7227278.989 RL 374.654  DATUM RL 372.0		1 in 4	3%	3%	3%	3%	1 in 4	1-in-2	
DESIGN SURFACE LEVEL	374.088 374.049	374.549	374.579	374.654	374.579	374.549	374.049	374 627	<u>-</u>
NATURAL SURFACE LEVEL	374.088 374.088	374.205	374.367	374.464	374.386	374.279	374.437		<u>-</u>
DESIGN OFFSET	-5.578 -5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		
				CH 3	6500				

E 240 N 72 RL 370	ELINE SETOUT 0074.671 27351.939 0.942		1 in	21 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESI SURI	GN FACE LEVEL	· 1	3/0./02	•	370.867	370.942	370.867	370.837		370.739	
NATU SURF	JRAL FACE LEVEL		3/0./02	54	370.731	370.812	370.805	370.614		370.739	
DESI	GN OFFSET		-6.231	-3.500		0.000	2.500	3.500	5.500		
						CH 3640	00				

# TENDER ISSUE ONLY

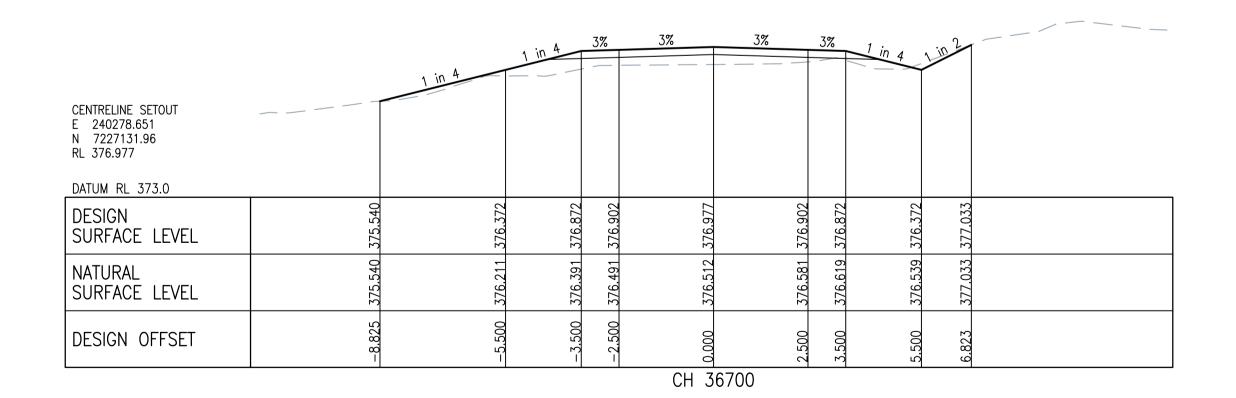
SI	No. Description	Reviewed Approved	Date	Client Logo Client Banana Project	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Desig	ned /	Approved		Scale (A1 size) 1:100		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Revision	1 TENDER ISSUE	23	3/08/2024	SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 1 OF 64	Drawing Che	eck Desig	n Check	RPEQ	Date	Drawing is not to be used for construction unless approved.	ARU	W www.aroindustries.com.au  ABN: 49 641 461 298

Drawing No.



CENTRELINE SETOUT E 240346.442 N 7227058.446 RL 371.823		1 in	21 in 4	3%	3%	3% 39	76	1 in 4	1 in 2	
DESIGN SURFACE LEVEL		371.218	1.71	71.748	71.823	71.748	71.718	371.218		
NATURAL SURFACE LEVEL	S	371.463 37	1.446	371.561 37	371.538 3.	371.430 3	371.552 3.	372.057 3.		
DESIGN OFFSET	30	-6.064 C		-2.500	0.000	2.500	3.500	5.500		
	-				CH 3680	0				

CENTRELINE SETOUT E 240312.546 N 7227095.203 RL 374.712		in	21 in 4	3%	3%	3%	3%	1 in 4	:in 2	
DESIGN SURFACE LEVEL	374.378		374.607	374.637	374.712	374.637	4		374.420	
NATURAL SURFACE LEVEL	374.378		374.431	374.518	374.568	374.497	4	374.542	4	
DESIGN OFFSET	-6.042	-5.500	-3.500	-2.500	0.000	2.500		5.500	6.128	
					CH 3	6750				



CENTRELINE SETOUT E 240549.836 N 7226837.922 RL 363.336  DATUM RL 360.0		1 in 4	3%	3% 3%		3%	1-in 4	in 2	
DESIGN SURFACE LEVEL	362.863 362.863	363.231	363.261	363.336	363.261	363.231	362.731	363.333	
NATURAL SURFACE LEVEL	362.863 362.863	363.103	363.135	363.129	362.922	363.115	363.404	363.333	
DESIGN OFFSET	-5.763 -5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.704	
				CH 37100					

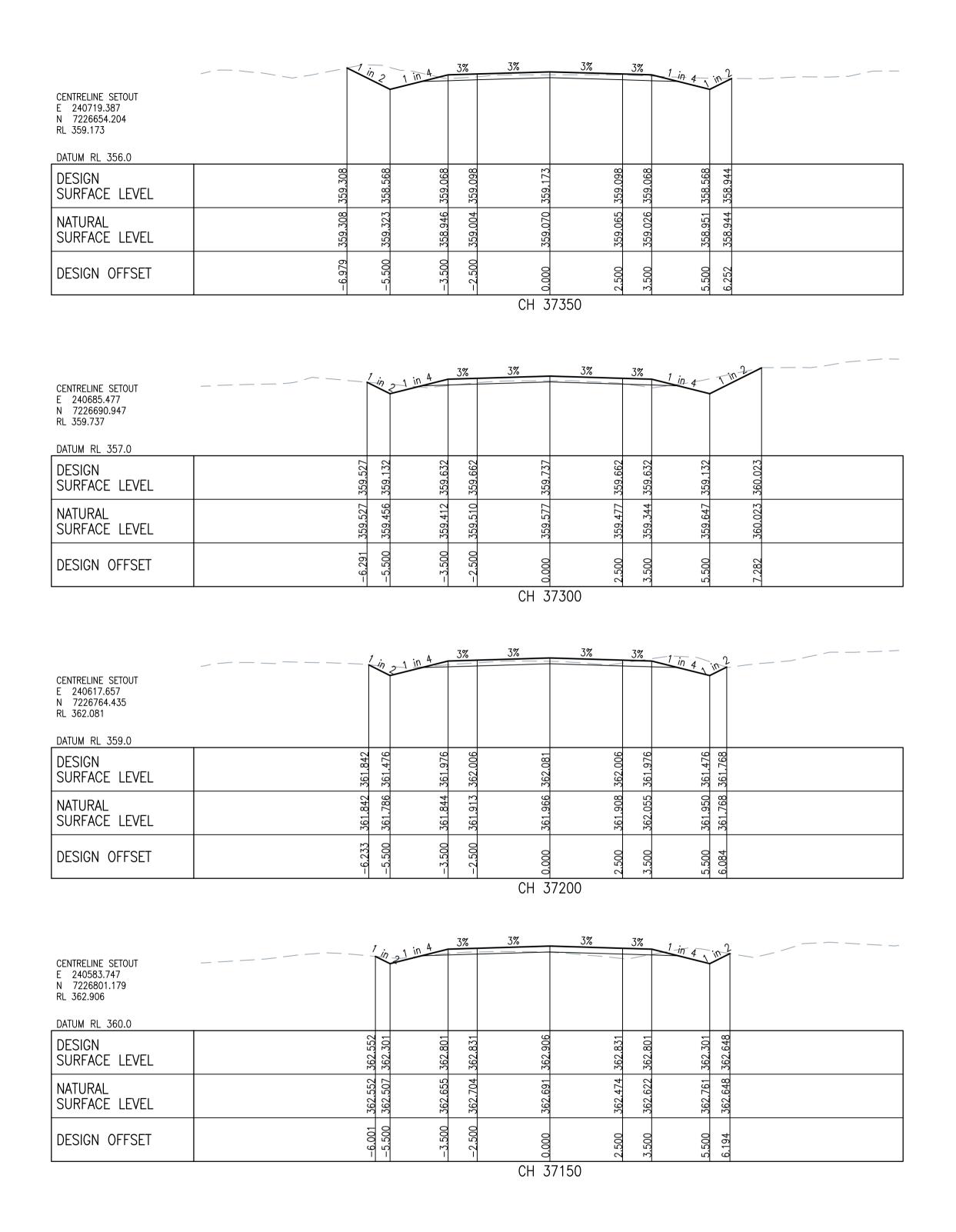
CENTRELINE SETOUT E 240482.024 N 7226911.418 RL 364.292  DATUM RL 361.0		1 in 4	3%	3%	3%	3%	1 in 4	:n 2	:
DESIGN SURFACE LEVEL	363.881		364.217	364.292	364.217	364.187	363.687	363.986	
NATURAL SURFACE LEVEL	363.881		364,005	364.053	363.945	363.846	363,948	363.986	
DESIGN OFFSET	-5.889	-3.500	-2.500	0.000	2.500	3.500	5,500	6.098	
				CH 3	7000				

CENTRELINE SETOUT E 240448.129 N 7226948.175 RL 365.484 DATUM RL 362.0		1 in 4	3%	3%	3%	3%	1 in 4	in <sup>2</sup>	
DESIGN SURFACE LEVEL	365.043	365.379	365.409	365.484	365.409	365.379		365.372	
NATURAL SURFACE LEVEL	365.043	365.006	365.149	365.153	364.975	364 965	365.255	, j.	
DESIGN OFFSET	-5.828	-3.500	-2.500	0.000	2.500	3 500	5.500		-l
				CH 3	6950				

		,	21 in 4	3%	3%	3%	3%	1 in 4	2	
		in	2 1 in 4	. —				<u>in 4</u>	1	
CENTRELINE SETOUT E 240414.233 N 7226984.932 RL 367.254										
DATUM RL 364.0										
DESIGN SURFACE LEVEL	366.926	366.649	367.149		367.254	367.179		366.649	367.299	•
NATURAL SURFACE LEVEL	366.926	366.834	366.826	366.967	366.967	366.921	367.024	366.892	367.299	
DESIGN OFFSET	-6.054	-5.500	-3.500	-2.500	0.000	2.500		5.500	6.800	
					CH 3	6900				

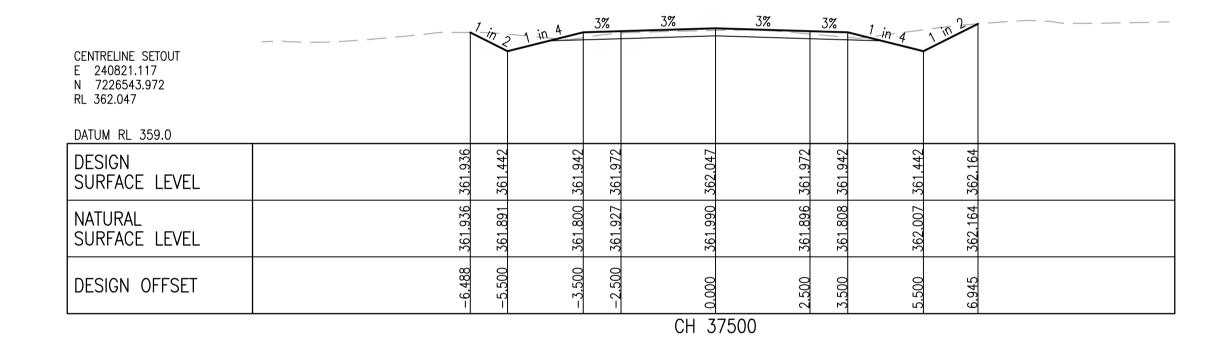
# TENDER ISSUE ONLY

П	No. Description Reviewed Approved Date	Client Logo C	ient	BANANA SHIRE COUNCIL	Drawn Designed Approve	ed	Scale (A1 size)	•	51 Sheridan Street Cairns Old 4870
ဋ		Banana	DEFENCE	ROAD UPGRADE - CH 36,172 - CH68,499	IVIS IVIS		1:100	······ A DO	T (07) 4281 6897
evision		SHIRE OF OPPORTUNITY	tle ANNOTA	TED CROSS SECTIONS SHEET 2 OF 64	Drawing Check Design Check RPEQ	Date	Drawing is not to be used for construction	ARU	W www.aroindustries.com.au
امرا	1 TENDER ISSUE 23/08/2024	SHIRE OF OFFORTONITY					unless approved.	• 1	ABN: 49 641 461 298



CENTRELINE SETOUT E 240922.848 N 7226433.741 RL 359.305 DATUM RL 356.0		1 in 4	3%	3% 3%		3%	1 in 4	1 in 2	 	
DESIGN SURFACE LEVEL	358.835 358.700	359.200	359.230	359.305	359.230	359.200	358.700	359.502		
NATURAL SURFACE LEVEL	358.835 358.835	359.087	359.141	359.182	359.091	358.905	359.334	359.502		
DESIGN OFFSET	-5.770 -5.500	-3,500	-2.500	0.000	2.500	3.500	5.500	7.103		
		•		CH 37650		•				

CENTRELINE SETOUT E 240888.938 N 7226470.485 RL 360.362 DATUM RL 357.0		1 in	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	360.186		360.257	360.287	360.362	360.287		359.757	360.674	
NATURAL SURFACE LEVEL	360.186		360.134	360.223	360.283	360.178	360.112	360.359	360.674	
DESIGN OFFSET	-6.358	-5.500	-3.500	-2.500	0.000	2.500		5.500	7.335	
					CH 3	7600	· ·			



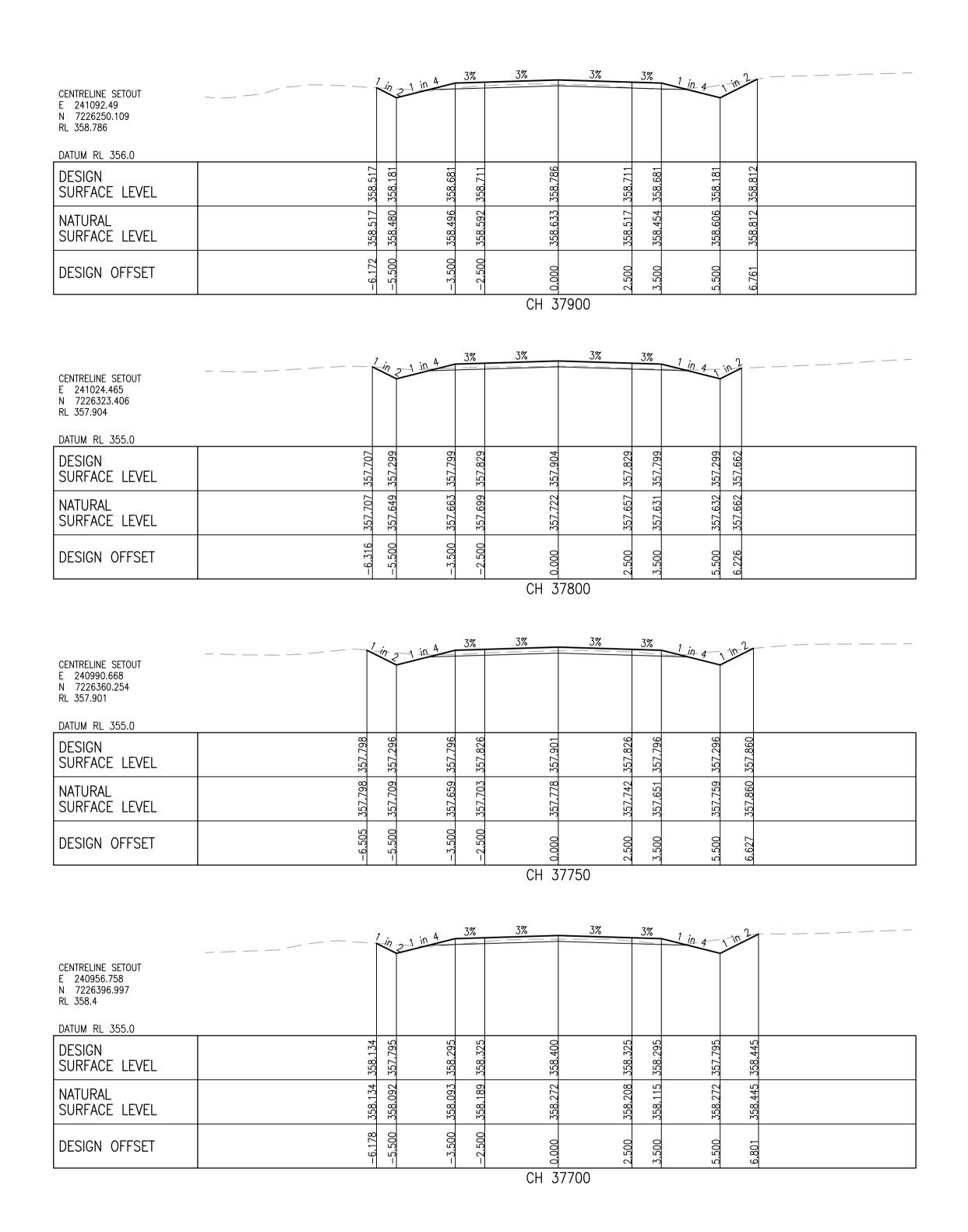
		1/2	1 in 4	3%	3%	3% 	3%	$\frac{1}{\ln 4}$	in 2	
CENTRELINE SETOUT E 240753.297 N 7226617.46 RL 360.195										
DATUM RL 357.0	1								<del>     </del>	
DESIGN SURFACE LEVEL	760.323	359.590		360.120	360.195	360.120	360.090	359.590	359.844	
NATURAL SURFACE LEVEL	360.323	155	912	359.915	360.054	360.042	360.042	857	-	
DESIGN OFFSET	9 9 9 9	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.008	
					CH 374	100				

### TENDER ISSUE ONLY

Title    Drawing Check   Design Check   RPEQ   Date   Drawing is not to be used for construction   Drawing is n	No. Description Reviewed Approved Date	Client Project	BANANA SHIRE COUNCIL  DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	Scale (A1 size) 1:100		51 Sheridan Street Cairns Qld 4870
Unicon approved ADIV. 49 041 401 23	Sevisions	SHIRE OF OPPORTUNITY  Title		Drawing Che	ck Design Check	RPEQ	Date  Drawing is not to be used for construction unless approved.	- ARO	T (07) 4281 6897 E admin@aroindustries.com.au W www.aroindustries.com.au  ABN: 49 641 461 298

Drawing No.

1



CENTRELINE SETOUT E 241226.626 N 7226101.913 RL 360.941 DATUM RL 358.0		1 in 4	1 in 4	4%	4%	4%	4%	1 in 4	2	
DESIGN SURFACE LEVEL	360.236	360.581	361.081	361.041	360.941	360.825	360.785	360.285	360.639	
NATURAL SURFACE LEVEL	360.236	360.377	360.516	360.579	360.723	360.643	360.521	360.743	360.639	
DESIGN OFFSET	0889	-5.500	-3.500	-2.500	0.000	2.900	3.900	5.900	909.9	
		•			CH 38	100				

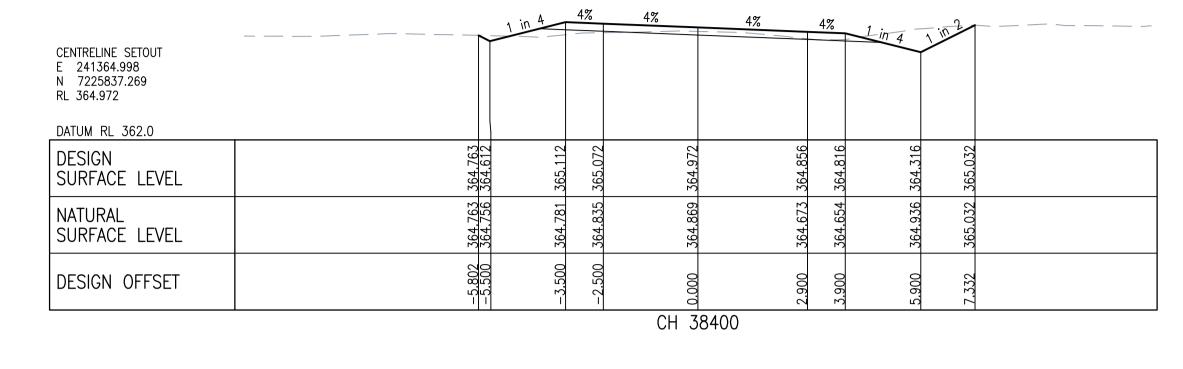
CENTRELINE SETOUT E 241195.069 N 7226140.687 RL 360.249 DATUM RL 357.0		1 in 4	4%	4% 4%	4%	1 in 4 in	2
DESIGN SURFACE LEVEL	359.860	360.389	360.349	360.249	360.093		358,903
NATURAL SURFACE LEVEL	359.860	359.767	359.878		359 859	25	359.903
DESIGN OFFSET	-5.616	-3.500	-2.500	0.000			6.520
				CH 38050			

		1 in 4	0.1%	0.1%	3%	3%	1 :	7	
CENTRELINE SETOUT E 241161.299 N 7226177.55 RL 359.639  DATUM RL 356.0							1 in 4	is '	
DESIGN SURFACE LEVEL	359.291	4 4	359.641	359.639	359.558	359.528	359.028	359.340	
NATURAL SURFACE LEVEL	359.291		359.293	359.414	359.304	359.139	359.313	359.340	
DESIGN OFFSET		-5.500	-2.500	0.000	2.677	3.677	5.677	6.300	
				CH 3	8000				

CENTRELINE SETOUT E 241126.658 N 7226213.606 RL 359.168  DATUM RL 356.0	 1 in	31 in 4	3%	3%	3%	3%	1 in 4	jn 2	
DESIGN SURFACE LEVEL	358.847	359.063	359.093	359.168	Ċ	359.063	358.563	358.946	
NATURAL SURFACE LEVEL	358.847	358.874	358.977	358.990	358 873	358 757	358.879	358.946	
DESIGN OFFSET	-6.068		-2.500	0.000	2 500	3 500	5.500	6.266	
				CH 3	7950				

### TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	Scale (A1 size) 1:100	ADO	51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Sevision 1 TENDER ISSUE		23/08/2024	SHIRE	ANNOTATED CROSS SECTIONS SHEET 4 OF 64	Drawing Ched	k Design Check	RPEQ	Date  Drawing is not to be used for construction unless approved.	HARO	E admin@aroindustries.com.au W www.aroindustries.com.au ABN: 49 641 461 298



CENTRELINE SETOUT E 241328.541 N 7225930.364 RL 364.206 DATUM RL 361.0		in	21 in 4	4%	4%	4%	4%	1 in 4	:n 2	
DESIGN SURFACE LEVEL	364.090	363.846	364.346	364.306	1	364 090	764 050		363.935	
NATURAL SURFACE LEVEL	364.090	364.067	364.098	364.221	364.182	364 055	701.02	363.936	363.935	
DESIGN OFFSET	5.988	-5.500	-3.500	-2.500	0.000	0 800	2000		6.670	
					CH 3	8300				

CENTRELINE SETOUT E 241282.635 N 7226019.139 RL 362.547 DATUM RL 359.0		in	21 in 4	4%	4%	4%	4%	Tin 4	1 in 2	
DESIGN SURFACE LEVEL	362.441		362.687	362.647	Ŋ	362.431	362.391	361.891	362 659	
NATURAL SURFACE LEVEL	362.441		362.554	362.567		362.406	362.382	362.744	362 659	
DESIGN OFFSET	-6.010	-5.500	-3.500	-2.500	0.00.0	2.900	3.900	5.900	7 4 3 7	
					CH 382	.00				

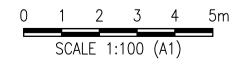
CENTRELINE SETOUT E 241255.848 N 7226061.35 RL 361.718  DATUM RL 359.0		1 in 4	4%	4%	4%	4%	1 in 4	in 2	
DESIGN SURFACE LEVEL	361.418 361.358	361.858	361.818	361.718	361.602	361.562	361.062	361.559	
NATURAL SURFACE LEVEL	361.418 361.416	361.426	361.504	361.576	361.462	361.344	361.457	361.559	
DESIGN OFFSET	-5.621 -5.500	-3.500	-2.500	0.000	2.900	3.900	5.900	6.895	
	•			CH 38	3150				

CENTRELINE SETOUT E 241432.38 N 7225545.197 RL 364.289 DATUM RL 361.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	364.255	363.684	364.184	364.214	364.289	364.214	364.184	363.684 363.796	
NATURAL SURFACE LEVEL	364.255	364.352	363.890	363.977	364.054	363.974	363.870	363.793 363.795	
DESIGN OFFSET	-6.641	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	
			•		CH 3	8700			

		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	
CENTRELINE SETOUT E 241412.478 N 7225643.196 RL 363.89									
	N	5	D.	5	0	2	2	7780	
DESIGN	363.823	3.28	363.785	363.81	363.890	363.81	3.78	363.285 363.285 363.258	
SURFACE LEVEL	36.	363.	36.	36.	36.	36.	363	36. 36.	
NATURAL	23	15	49	456	466	364	19	50 58	
SURFACE LEVEL	363.823	363.7	363.349	363.4		363.3	63.2	363.250 363.258 363.258	
SONT NOE LEVEL	36	36	36	36	3(	36	36	3(	
DECION OFFICET	75	500	3.500	500		0		00	
DESIGN OFFSET	-6.575	-5.5	-3.5	-2.5	0.000	2.500	3.500	5.500 5.610	
	<u>'</u>	<u> </u>	'1	,	CH 38600			4,4,	1

CENTRELINE SETOUT E 241402.527 N 7225692.196 RL 363.723  DATUM RL 360.0		1 in 4	2.1%	2.1%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	363.196	363.648	363.669	363.723	363.646	363.616	363.116 363.225	
NATURAL SURFACE LEVEL	363.196 363.196 363.211	363.386	363.446	363.430	363.410	363.236	363.235	
DESIGN OFFSET	-5.597 -5.500	-3.500	-2.500	0.000	2.549	3.549	5.549	
		•		CH 38	3550			

		1 in 4	1.7%	1.7%	3%	3%	$\frac{1}{1}$ in $\frac{4}{1}$	<b>ງ</b>	
CENTRELINE SETOUT E 241392.428 N 7225741.165 RL 363.972			_				m 4	in	
	30	3	2	2	σ	0	6	4	
DESIGN	[65]	1.033	364.01	363.97	63 888	3.85		3.72	
SURFACE LEVEL	363.656 363.553	364.	364	367	7.95	367	363.	36.	
NATURAL	256 39	74	19	48	756	32	12	24	
	363.656 363.656	363.57	3.6	$\sim$			363.612	3.7	
SURFACE LEVEL	36 36	36	363.	363.	5.95	36	36	36	
DESIGN OFFSET	5.745 5.500	-3.500	.2.500	000.	771	• •	77.	.501	
	'  '		! ]	<u> </u>	2500	1 2	2	9	
				CH 38	3500				



## TENDER ISSUE ONLY

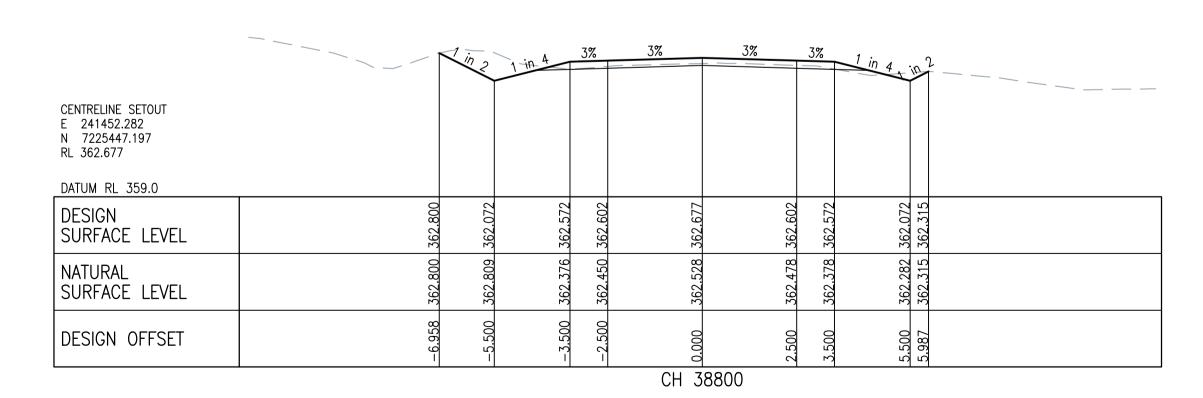
No.	Description	Reviewed Approved Date Client Log	Ranana Project	BANANA SHIRE COUNCIL  DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	Scale (A1 size) 1:100		51 Sheridan Street Cairns Qld 4870
Sucisions 1 TENDER ISSUE	<u> </u>	23/08/2024	SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 5 OF 64	Drawing Chec	ck Design Check	RPEQ	Date  Drawing is not to be used for construction unless approved.	HIII AR	E admin@aroindustries.com.au W www.aroindustries.com.au ABN: 49 641 461 298

1

CENTRELINE SETOUT E 241496.324 N 7225252.13 RL 358.277  DATUM RL 355.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	358.206		œ e	358.202	358.277	358.202	358.172	357.672	358.003	
NATURAL SURFACE LEVEL	358.206		357.895	357.991		358.017	357.905	357.932		
DESIGN OFFSET	-6.569	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.161	<u> </u>
					CH 3	9000		_		

CENTRELINE SETOUT E 241472.999 N 7225349.371 RL 360.596 DATUM RL 357.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	360.723	359.991	360.491	360.521	360.596	360.521	360.491	359.991	360.297	
NATURAL SURFACE LEVEL	360.723	360.937	360.461	360.381	360.448	360.407		360.308	360.297	
DESIGN OFFSET	-6.964	-5.500	-3.500	-2.500	0.000	2.500	3.500		6.112	
				·	CH 3	8900	·			

		1/172	1 in 4	3%	3%	<u> </u>	3%	1 in 4	m 2	
CENTRELINE SETOUT E 241462.247 N 7225398.2 RL 361.699										
DATUM RL 358.0	_									
DESIGN SURFACE LEVEL	361,902	361.094	361.594	361.624	361.699	361.624	361.594	361.094	361.385	
NATURAL SURFACE LEVEL	361.902	361.570	361.300	361.486	361.532	361.479	361.370	361.351	361.385	
DESIGN OFFSET	-7.116	-5.500	-3.500	-2.500	0.000	2.500	3.500	5,500	6.083	
					CH 38	850				



CENTRELINE SETOUT E 241538.103 N 7225056.549 RL 357.386 DATUM RL 354.0		1/1/2	in 4 3%	3%	3%	3%	1 in 4 2	
DESIGN SURFACE LEVEL	357.578	356.781	357.281	357.386	357.311	357.281	356.781	
NATURAL SURFACE LEVEL	357.578	357.414	357.051	357.226	357.196	357.092	357.037	
DESIGN OFFSET	-7.094	-5.500	-3.500	0.000	2.500	3.500	5.500	
				CH 3920	00			

CENTRELINE SETOUT E 241527.629 N 7225105.438 RL 358.29 DATUM RL 355.0		7 in 2 1 in	3%	3% 39	76	3% 1 in a	4
DESIGN	67	985	185	290	15	82	7,82
SURFACE LEVEL	358.3	357.6	358.185	358.2	358.215	358.1	357.685
NATURAL	367	329	357.879	108	358.054	979	357.680
SURFACE LEVEL	358.	358.	357.	358.	358.	357.	357.
DESIGN OFFSET	6.865	5.500	3.500	000	200	500	5.500 5.554
	Ī	1		<del>⊴</del> CH 39150	-2	3.	n n

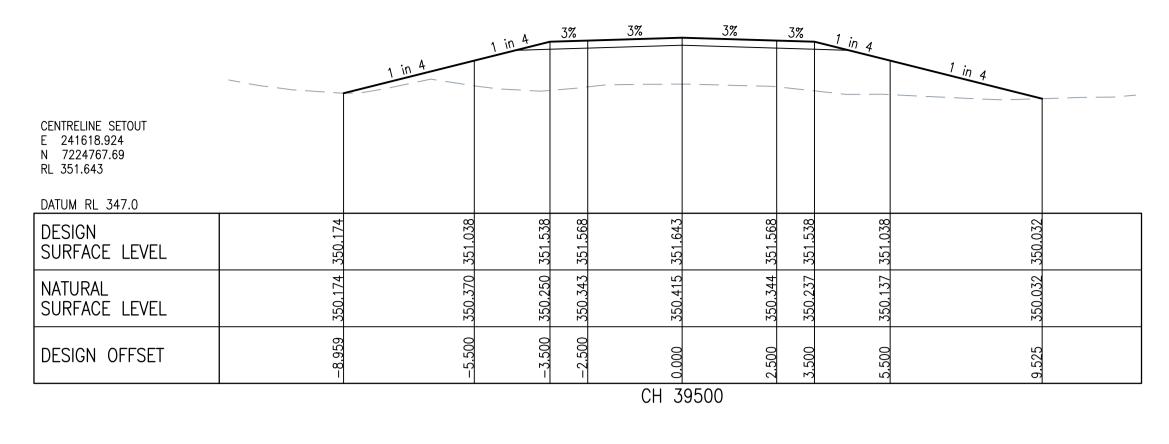
CENTRELINE SETOUT E 241517.481 N 7225154.398 RL 358.423  DATUM RL 355.0		1 in 2	1 in 4	3%		3%	3%	1 in 4	 
DESIGN SURFACE LEVEL	358 381	357.818	358.318	358.348	358.423	358.348	358.318	357.818 357.975	
NATURAL SURFACE LEVEL	358 381		358.228	358.234	358.305	358.193		357.961 357.975	
DESIGN OFFSET	6 625	-5.500	-3.500	-2.500	000.0	2.500		5.500 5.812	
					CH 3	9100			

CENTRELINE SETOUT E 241507.281 N 7225203.346 RL 358.008 DATUM RL 355.0		1 in	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	357 920	•	357.903	357.933	58.	357.933	1 7	357.403 357.587	
NATURAL SURFACE LEVEL	757 920		357.644	357.741	357.796	357.743	7.68	357.589 357.587	
DESIGN OFFSET		-5.500	-3.500	-2.500	000.0	2.500	• - •	5.500	
					CH 3	9050			

# TENDER ISSUE ONLY

N	No. Description Reviewed Approved Date Cli-	lient Logo Clie	BANANA SHIRE COUNCIL	Drawn Designed Approved  MS MS	Scale (A1 size)	•	51 Sheridan Street Cairns Qld 4870
<u>\sigma</u>		<b>Banana</b> Proj	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS IVIS	1:100		T (07) 4281 6897
evisior		SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 6 OF 64	Drawing Check Design Check RPEQ Date	Drawing is not to be used for construction	ARU	W www.aroindustries.com.au  ABN: 49 641 461 298
Revis	1 TENDER ISSUE 23/08/2024	SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 6 OF 64		used for construction unless approved.		

Drawing No.



		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	in ?	
CENTRELINE SETOUT E 241590.941 N 7224863.694 RL 353.558										
DESIGN SURFACE LEVEL	353.912	352.953	353.453	353.483	353.558		353.453	352.953	353.248	
NATURAL SURFACE LEVEL	353.912	353.392	353.036	353.160	353.225	353.142	353.018	353.164	353.248	
DESIGN OFFSET	-7.419	-5.500	-3.500	-2.500	000.0		3.500	5.500	6.092	
				·	CH 3	9400				

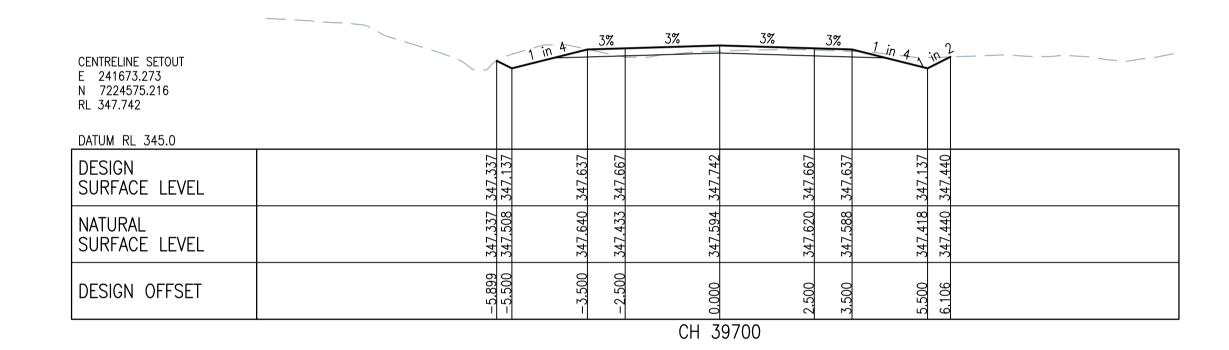
CENTRELINE SETOUT E 241562.975 N 7224959.704 RL 355.472  DATUM RL 352.0		1 1/1 2	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	355.491		355.367	355.397	355.472	355.397	355.367	354.867 354.971	
NATURAL SURFACE LEVEL	355.491			355.088	355.212	355.177	355.087	354.894 354.971	
DESIGN OFFSET	-6.749		-3.500	-2.500	0000	2.500		5.500 5.500 5.608	
					CH 3	9300			-

CENTRELINE SETOUT E 241549.866 N 7225007.954 RL 356.429  DATUM RL 353.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	356.551	355.824	356.324	356.354	356.429	356.354	356.324	355.824 356.015	
NATURAL SURFACE LEVEL	356.551	356.361	356.023	356.022	356.190	356,160	356.082	355.981 356.015	
DESIGN OFFSET	-6.954	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	
	•				CH 3	9250		· ·	

Drawing No.

CENTRELINE SETOUT E 241727.43 N 7224382.689 RL 343.618  DATUM RL 340.0		in 2	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	343.283	Μ,	343.513	343.543	343.618	343.543	343.513	343.013 343.148	
NATURAL SURFACE LEVEL	343.283	•	343.415	343.239	343.320	343.347	343.292	343.120 343.148	
DESIGN OFFSET	-6.039	-5.500	-3.500	-2.500	000.0		3.500	5.500	
					CH 3	9900			

		1 in	1 in 4 3%		3%	3%	1 in 4	 
CENTRELINE SETOUT E 241700.351 N 7224478.953 RL 345.68 DATUM RL 342.0								
	505	75	575	089	605	75	75	
DESIGN SURFACE LEVEL	345.5(		345.575		345.6(	345.57	345.075 345.254	
NATURAL	505	291	080	374	339	323	235 254	
SURFACE LEVEL	345.1		345.080		345.	345.,	345.235 345.235	
DESIGN OFFSET	-6.361		-3.500	0.000	2.500	3.500	5.500 5.858	
				CH 3	9800			

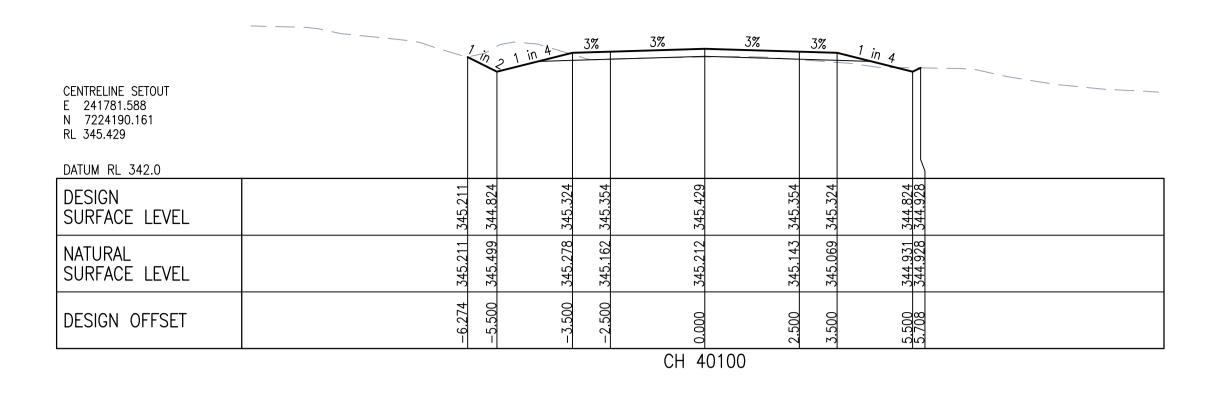


CENTRELINE SETOUT E 241646.194 N 7224671.48 RL 349.729		21 in 4	3%	3%	3%	3%	1 in 4	
DESIGN	755		.654	.729	.654		349.124	
SURFACE LEVEL	349		349	349				
NATURAL SURFACE LEVEL	349.357	349.428	349.128	349.295	349.303	349.258	349.074	
DESIGN OFFSET	-5.966	-5.500	-2.500	0.000	2.500		5.500	
				CH 3	9600			

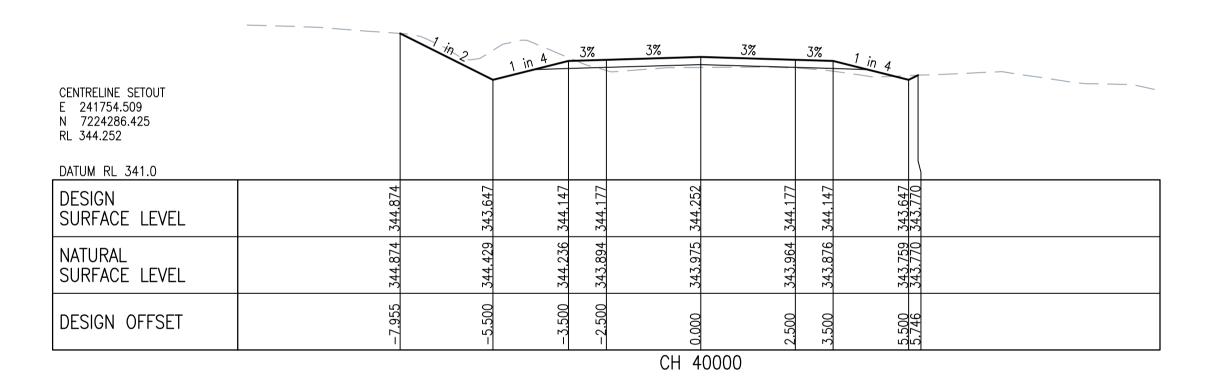
### 0 1 2 3 4 5m SCALE 1:100 (A1)

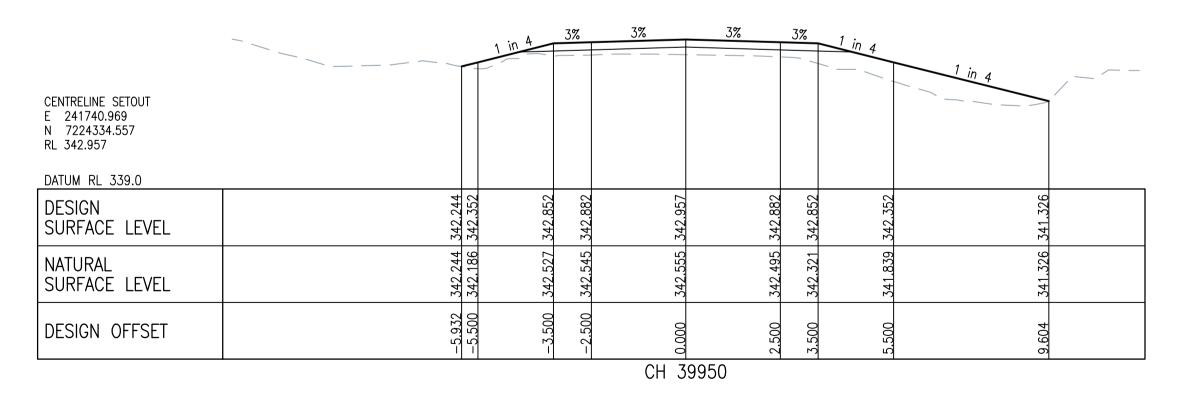
# TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo  Ban	Client  Project	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	S	Scale (A1 size) 1:100	•		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Sevisions 1 TENDER	ISSUE	23/08/2024 SHIRE OF OF	SHIRE	ANNOTATED CROSS SECTIONS SHEET 7 OF 64	Drawing Che	ck Design Check	k RPEQ	Date	Drawing is not to be used for construction unless approved.		ARU	E admin@aroindustries.com.au W www.aroindustries.com.au ABN: 49 641 461 298

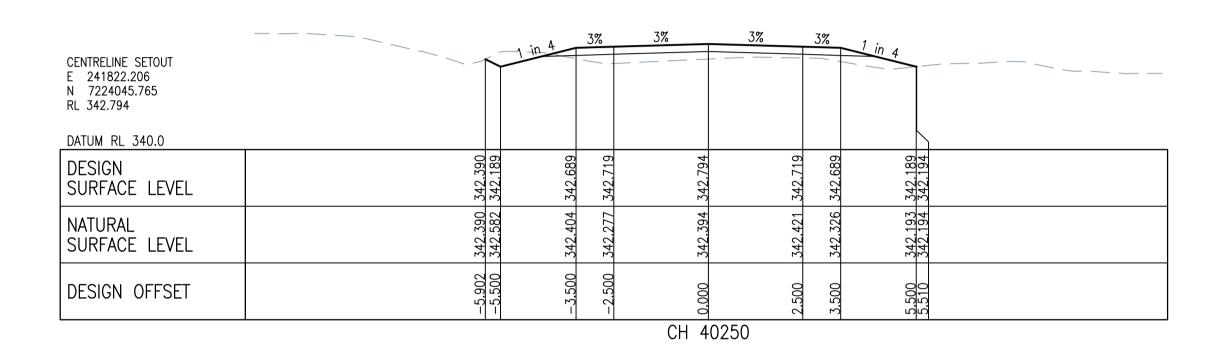


CENTRELINE SETOUT E 241768.048 N 7224238.293 RL 345.34  DATUM RL 342.0		Ling	1 in 4 3%	3%	3%	3%	1 in 4		
DESIGN SURFACE LEVEL	345.766	344.735		345.763	345.265	345.235	344.735	244.942	
NATURAL SURFACE LEVEL	345.766	345.448	345.413	345.090 345.136	345 110	345.013	344.932	344.942	
DESIGN OFFSET	-7.561	-5.500	-3.500	000 0	2.500	3.500	5.500	0.8.C	
				CH 4	10050				





CENTRELINE SETOUT E 241835.78 N 7223997.643 RL 341.444 DATUM RL 338.0		Vin 2	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	341,455	1 <b>1</b>	341.339	341.369	341.444	341.369	341.339	340.839 340.949	
NATURAL SURFACE LEVEL	341.455	1 1	341.161	341.134	341.188	341.160	341.082	340.931 340.949	
DESIGN OFFSET	-6.732	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500 5.718	
					CH 4	0300			



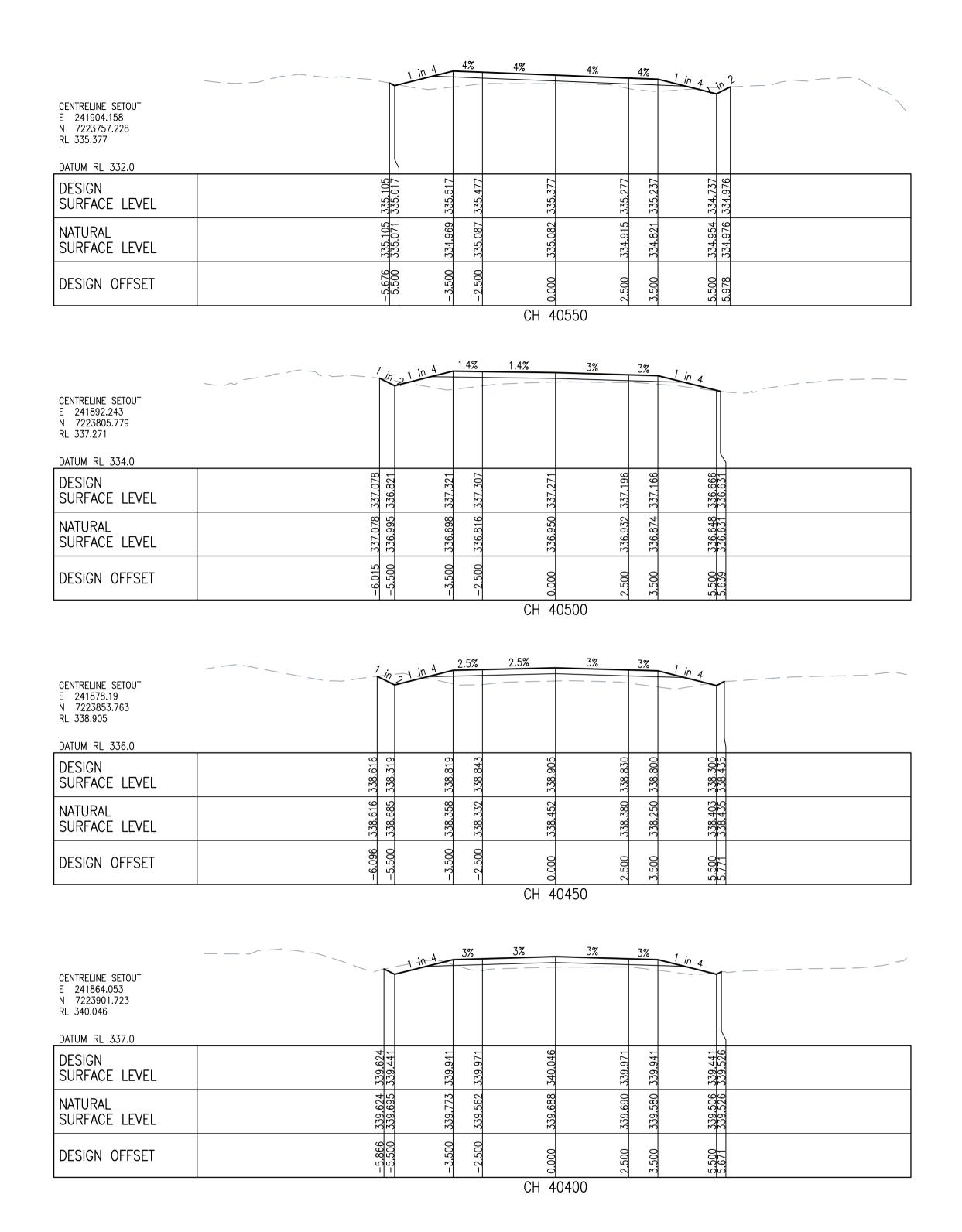
CENTRELINE SETOUT E 241808.666 N 7224093.897 RL 344.582 DATUM RL 341.0		in 2	1 in 4	3%	3%	3%	3%	1 in 4 in	2 — — — — — —
DESIGN SURFACE LEVEL	344.653	343.977	344.477	344.507	344.582	344.507	344.477	343.977	
NATURAL SURFACE LEVEL	344.653	344.800	344.343	344.203	344.360	344.380	4.	344.163	
DESIGN OFFSET	-6.852	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	
				•	CH 4	0200			

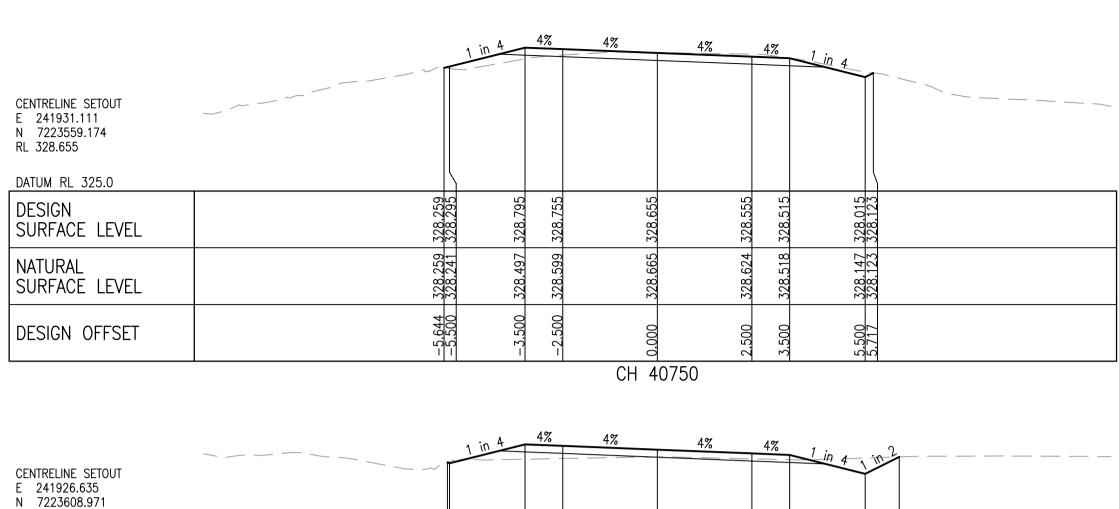
CENTRELINE SETOUT E 241795.127 N 7224142.029 RL 345.861  DATUM RL 343.0		lin 2	1 in 4 3%	3%	3%	3%	1 in 4	ie 3	
DESIGN SURFACE LEVEL	346.147	345.256	5.7	343./8b 24E 061	5.7		345.256	345.582	
NATURAL SURFACE LEVEL	346.147	346.184	45.	345.664 245.741	345.756		345.544	345.582	
DESIGN OFFSET	-7.281	-5.500	1	7.500			5.500	6.151	
	•			CH 4	10150				

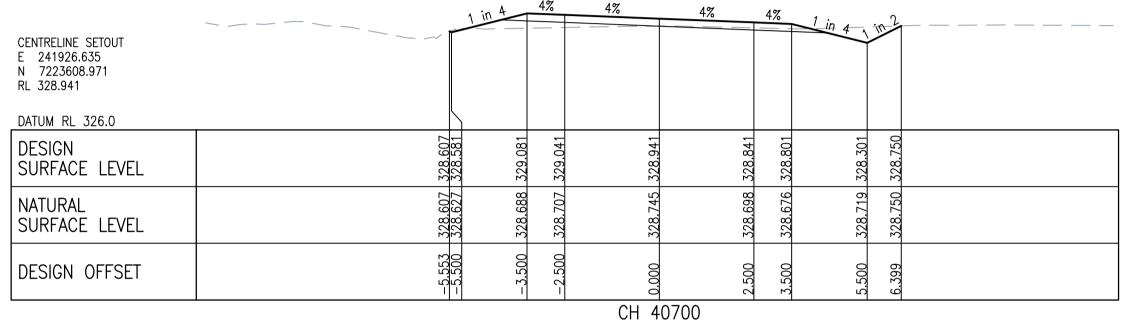
### TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn MS	Designed MS	Approved	Scale (A1 size)	•	51 Sheridan Street Cairns Qld 4870
φ		Banane	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIO	IVIO		1:100	······································	T (07) 4281 6897
1 TENDER ISSU	JE	- 23/08/2024	Title	ANNOTATED CROSS SECTIONS SHEET 8 OF 64	Drawing Ched	ck Design Check	RPEQ	Date  Drawing is not to be used for construction unless approved.	AAC	W www.aroindustries.com.au  ABN: 49 641 461 298

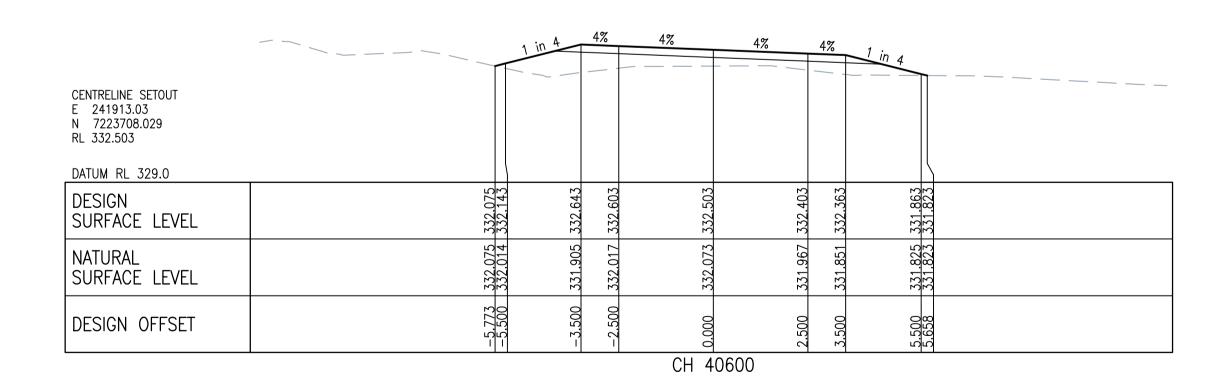
Drawing No.





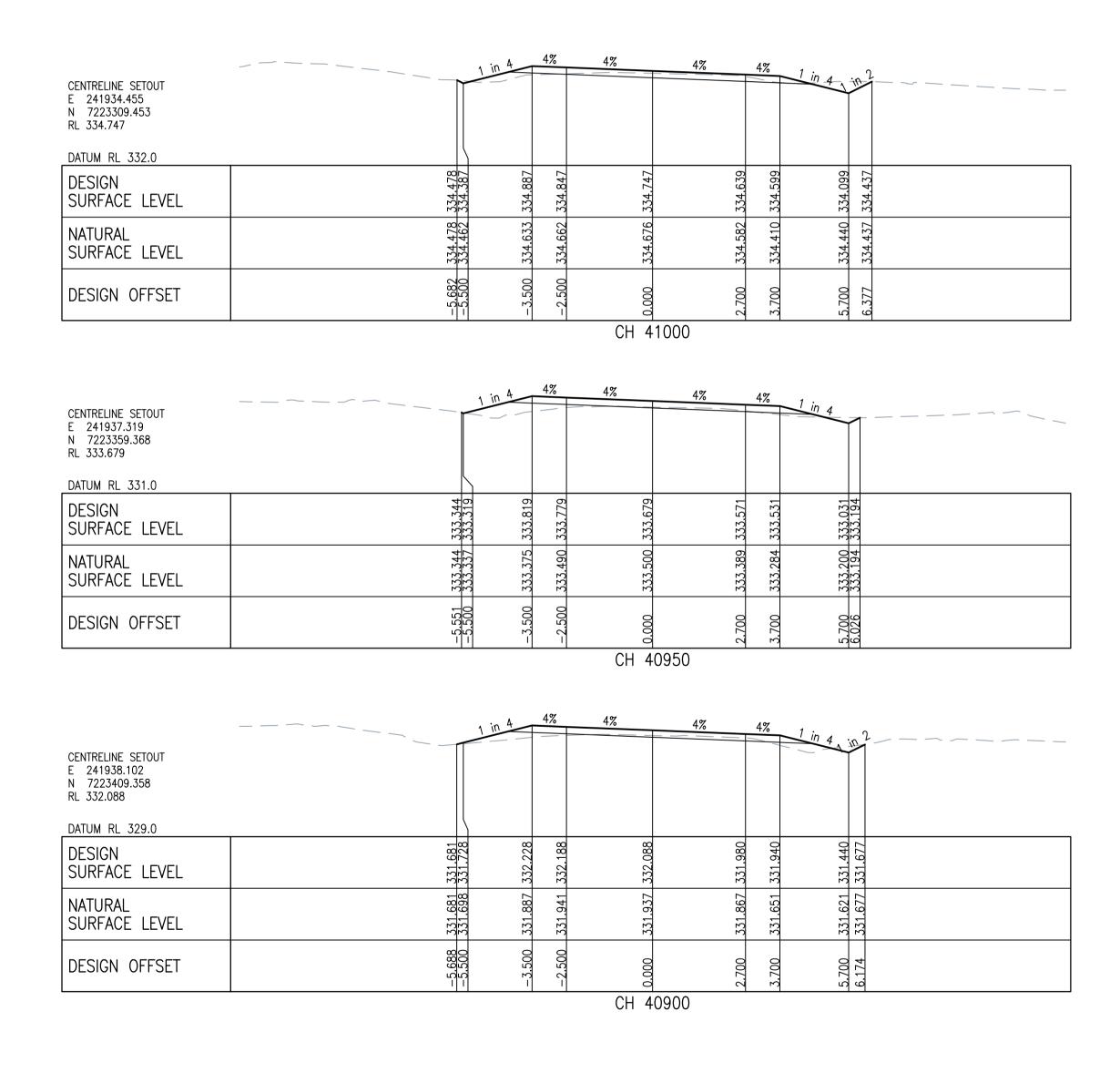


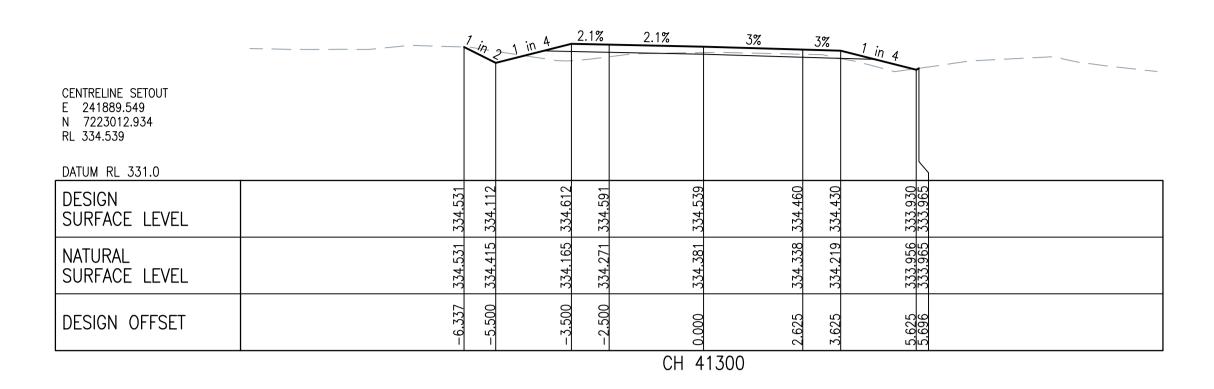
CENTRELINE SETOUT E 241920.502 N 7223658.591 RL 330.107 DATUM RL 327.0		1 in	21 in 4	4%	4%	4%	4%	1 in 4	in 2	
DESIGN SURFACE LEVEL		370 747	330.247	330.207	330.107	330.007	329.967	329.467		
NATURAL SURFACE LEVEL		300.000		329.765	329.814	329.671	329.520	329.785	329.932	
DESIGN OFFSET	-	-5.144	-3.500	-2.500	0.000	2.500		5.500	6.430	
					CH 4	0650				



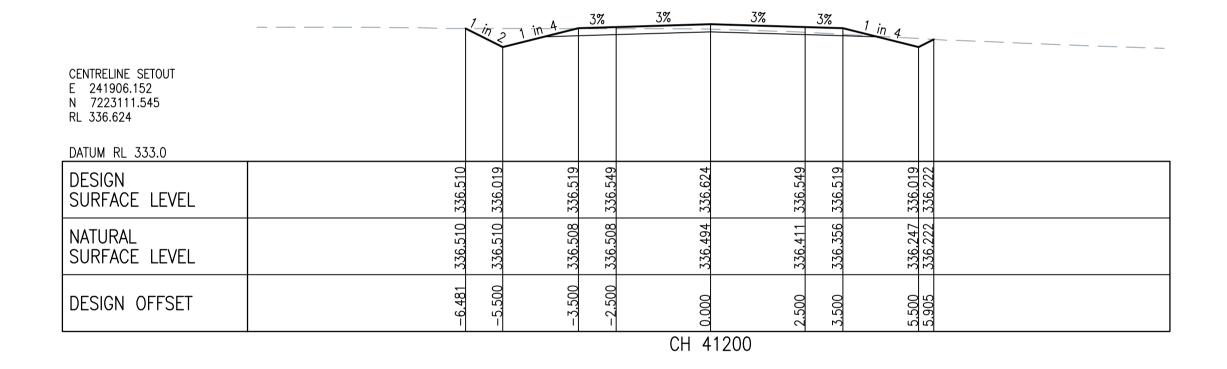
### TENDER ISSUE ONLY

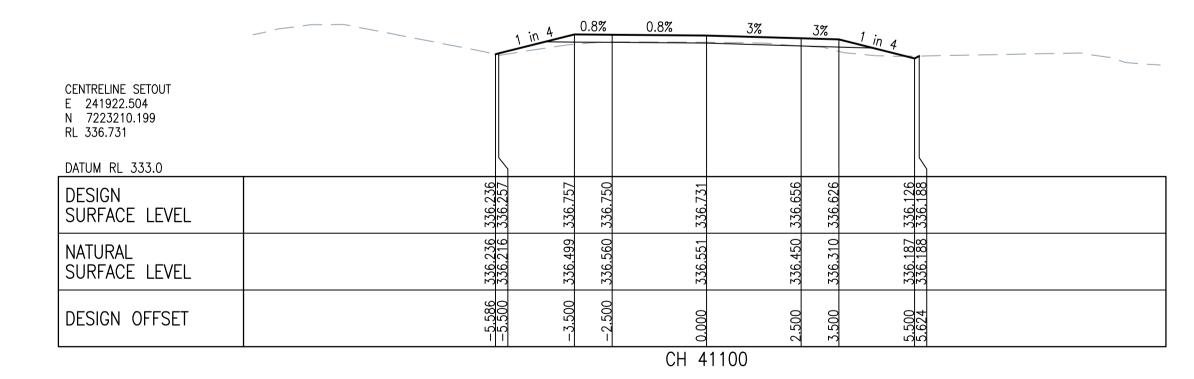
No.	Description	Reviewed Approved Date Client Logo  Ban	Client	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	Scale (A1 size)	A DO	51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
1 TENDER ISSUE	<b>=</b>	23/08/2024	SHIRE	ANNOTATED CROSS SECTIONS SHEET 9 OF 64	Drawing Che	ck Design Check	RPEQ	Date  Drawing is not to be used for construction unless approved.	HARU	E admin@aroindustries.com.au W www.aroindustries.com.au ABN: 49 641 461 298





CENTRELINE SETOUT E 241897.973 N 7223062.219 RL 335.799		1-19	1 in 4	1.7%	1.7% 3%	35	%	1 in 4 in 2	 · — — — —
DESIGN SURFACE LEVEL	335.752	335.241	335.741	335.757	335.799	335.722	335.692	335.192	
NATURAL SURFACE LEVEL	335.752	335.625	335.468	335.602	335.632	335.596	335.437	335.427	
DESIGN OFFSET	-6.521	-5.500	-3.500	-2.500	0.000	2.543	3.543	6.027	
					CH 41250				

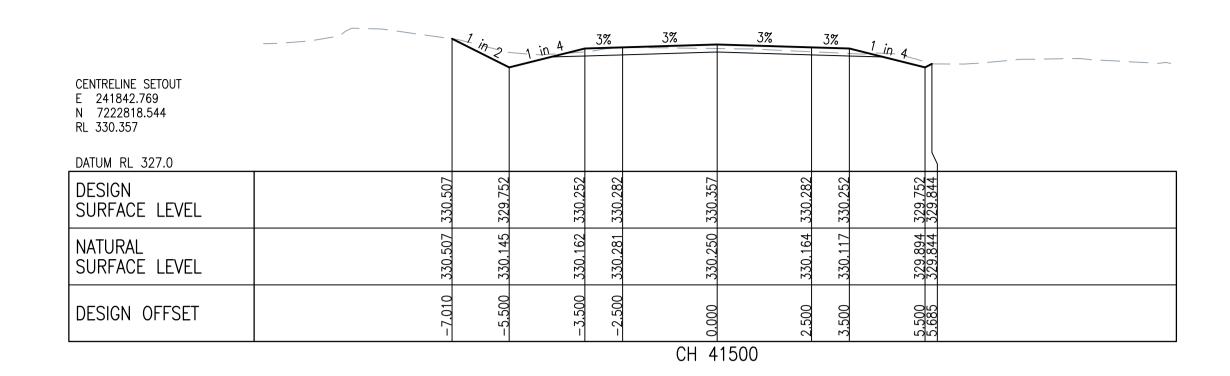




### TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	BANANA SHIRE COUNCIL	Drawn Designed Approved  MS MS	Scale (A1 size)		51 Sheridan Street Cairns Qld 4870
<u>8</u>		Banana	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS	1:100		T (07) 4281 6897
Y TENDER ISSUE		SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 10 OF 64	Drawing Check Design Check RPEQ Date	Drawing is not to be used for construction unless approved.	ARO	W www.aroindustries.com.au  ABN: 49 641 461 298

Drawing No.



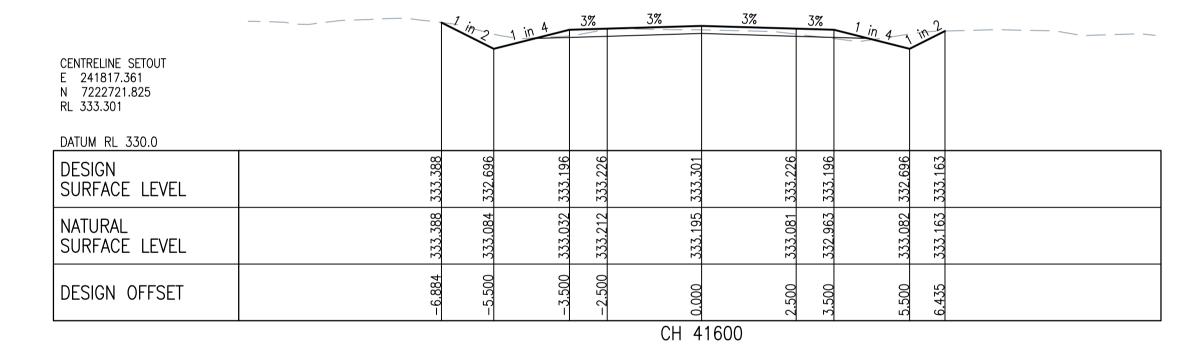
CENTRELINE SETOUT E 241855.473 N 7222866.903 RL 328.247  DATUM RL 325.0		1 in 4	2.8%	_2.9%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	329.877	327.647	328.175	328.247	328.171	328.141	327.641	329.358	
NATURAL SURFACE LEVEL	329.877	328.830	328.379 328.379	328.220	328.171	328.260	328.865	329.358	
DESIGN OFFSET	-9.961	-5.500	-5.500	0.000	2.504	3.504	5.504	8.937	
				CH 414	150				

CENTRELINE SETOUT E 241868.134 N 7222915.273 RL 329.916  DATUM RL 327.0		7 in 2	1 in 4	0.9%	0.9%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	330.735	329.447	329.947	329.938	329.916	329.838	329.808	329.308	331.057	
NATURAL SURFACE LEVEL	330.735	330.240	329.705	329.743	329.815	329.703	329.872	330.614	331.057	
DESIGN OFFSET	-8.075	-5.500	-3.500	-2.500	0.000	2.588	3.588	5.588	9.084	
		·		·	CH 41	400	·			

CENTRELINE SETOUT E 241879.656 N 7222963.925 RL 332.863		1 in	2 1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	332,929			332.938	332.863	332.782		332.252 332.252	
NATURAL SURFACE LEVEL	337.979		4.	332.570	332.651	332.553		332.204 332.204	
DESIGN OFFSET	-6.421	-5.500		-2.500	0000	2.700	•	5.700	
					CH 4	1.350			

CENTRELINE SETOUT E 241779.25 N 7222576.748 RL 340.953		1 in	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	340.745	340.348	340.848	340,878	340.953		340,848	340.348	340.665	
NATURAL SURFACE LEVEL	340.745	340.621	340.388	340.693	340.658	340.625	340,482		340.665	
DESIGN OFFSET	-6.293	-5.500	-3.500	-2.500	0000	2.500	3.500		6.133	
					CH 4	-1750				

CENTRELINE SETOUT E 241791.954 N 7222625.107 RL 338.505		in 4 3%	3%	3%	3% 1 in 4		
DESIGN SURFACE LEVEL	338.107	338.400	338.430 338.505	338.430	338.400	337.900 337.851	
NATURAL SURFACE LEVEL	338.107	338.234	338.261	338.302	338.083	337.851	
DESIGN OFFSET	-5.915	-3.500	-2.500	2.500	3.500	5.500 5.696	
			CH 41	700	·		



CENTRELINE SETOUT E 241830.065 N 7222770.185 RL 331.343  DATUM RL 328.0		in	21 in 4	3%	3%	3%	3%	1 in 4	<u>in 2</u>	
DESIGN SURFACE LEVEL	331.041	330.738	331.238	331.268	331.343	331.268	331.238	330.738	331.225	
NATURAL SURFACE LEVEL	331.041	330.953	330.970	331.150	331.200	331.172	331.036	331.166		
DESIGN OFFSET	-6.107	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.474	
				•	CH 41550	)				

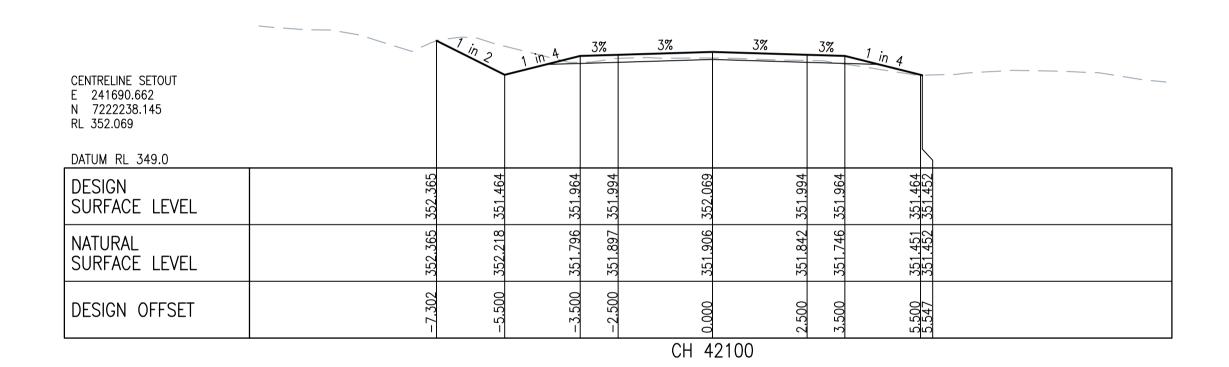
### TENDER ISSUE ONLY

Scale (A1 size) BANANA SHIRE COUNCIL Description Reviewed Approved Date 51 Sheridan Street Cairns Qld 4870 MS MS 1:100 DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499 E admin@aroindustries.com.au Drawing Check Design Check RPEQ Drawing is not to be used for construction W www.aroindustries.com.au ANNOTATED CROSS SECTIONS SHEET 11 OF 64 ABN: 49 641 461 298 unless approved. 1 TENDER ISSUE - 23/08/2024

		tin 2	1 in 4 3%	3%	3% 3%	1 in 4	., 2
CENTRELINE SETOUT E 241715.73 N 7222334.952 RL 350.238						4	
DATUM RL 347.0							
DESIGN SURFACE LEVEL	350.570	349.633	350.133	350.238	350.163	349.633	350.013
NATURAL SURFACE LEVEL	350.570	350.253	349.951	350.160		349.934	
DESIGN OFFSET	-7.373	-5.500	-3.500	0.000		3.500	
				CH 420	000		
		1 in 2	1 in 4 3%	3%	3% 3%	5 1 in 4	;in <sup>2</sup> — — —
CENTRELINE SETOUT E 241728.434 N 7222383.311 RL 349.214							
DESIGN	0 9	609	139	214	1,139	600	292
SURFACE LEVEL	240	348	349	349.		6 349.109	
NATURAL SURFACE LEVEL	32 072	349.089	348.804	348.959	348.897	348.786	349.052
DESIGN OFFSET	010	-5.500	-3.500	0.000	2.500	3.500	6.386
				CH 419			
CENTRELINE SETOUT E 241741.138 N 7222431.67		1 in 2	1 in 4 3%	3%	3% 3%	1 in 4	<u>in 2</u> — — — — — —
E 241741.138 N 7222431.67 RL 347.746		1 in 2	1 in 4 3%	3%	3% 3%	1 in 4	in 2 — — — — — — —
E 241741.138 N 7222431.67			641	.746	671	141	
E 241741.138 N 7222431.67 RL 347.746 DATUM RL 345.0 DESIGN		347.565	347.671	347.746	347.671	347.641	347.482
E 241741.138 N 7222431.67 RL 347.746 DATUM RL 345.0 DESIGN SURFACE LEVEL NATURAL			641	.746	347.245 347.671	347.113 347.641	347.482 347.482
E 241741.138 N 7222431.67 RL 347.746  DATUM RL 345.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL		347.565 347.565	347.165 347.641	347.364 347.746	2.500 347.245 347.671	347.113 347.641	347.482 347.482
E 241741.138 N 7222431.67 RL 347.746  DATUM RL 345.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL		-6.349       347.565       347.565         -5.500       347.395       347.141	-3.500 347.165 347.641 -2.500 347.346 347.671	0.000 347.364 347.746	2.500 347.245 347.671	3.500 347.113 347.641	6.183 347.482 347.482
E 241741.138 N 7222431.67 RL 347.746  DATUM RL 345.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL		-6.349       347.565       347.565         -5.500       347.395       347.141	-3.500 347.165 347.641 -2.500 347.346 347.671	CH C 0000 347.364 347.746	2.500 347.245 347.671	3.500 347.113 347.641	6.183 347.482 347.482
E 241741.138 N 7222431.67 RL 347.746  DATUM RL 345.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL  DESIGN OFFSET  CENTRELINE SETOUT E 241766.546 N 7222528.389		-6.349 347.565 347.565 -5.500 347.395 347.141	-3.500 347.165 347.641 -2.500 347.346 347.671	947.745 437.746 CH 419	2.500 347.245 347.671	3.500 347.113 347.641	6.183 347.482 347.482
E 241741.138 N 7222431.67 RL 347.746  DATUM RL 345.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL  DESIGN OFFSET  CENTRELINE SETOUT E 241766.546 N 7222528.389 RL 343.294		-6.349       347.565       347.565         -5.500       347.395       347.141	-3.500 347.165 347.641 -2.500 347.346 347.671	CH C 0000 347.364 347.746	3% 3% 3%	3.500 347.113 347.641	6.183 347.482 347.482
E 241741.138 N 7222431.67 RL 347.746  DATUM RL 345.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL  DESIGN OFFSET  CENTRELINE SETOUT E 241766.546 N 7222528.389 RL 343.294  DATUM RL 340.0  DESIGN  DESIGN		343.066	343.189	947.745 495.746 CH 3% 462.545	343.219 %2 2.500 347.245 347.671	343.189   3.500 347.113 347.641   5.500 347.389 347.141	343.096 6.183 347.482 347.482
E 241741.138 N 7222431.67 RL 347.746  DATUM RL 345.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL  DESIGN OFFSET  CENTRELINE SETOUT E 241766.546 N 7222528.389 RL 343.294  DATUM RL 340.0  DESIGN SURFACE LEVEL  NATURAL		343.066   -6.349 347.565 347.565 342.689   -5.500 347.395 347.141	343.189	947.745 437.746 CH 419	342.970 343.219	343.189   3.500	343.096 343.096 347.482 347.482   34

CENTRELINE SETOUT E 241640.3 N 7222044.59 RL 353.102 DATUM RL 350.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	353.269	352.497	352.997	353.027	353.102	353.027	2	352.497 352.630	
NATURAL SURFACE LEVEL	353.269	353.474	352.980	352.886	352.966	352.904	l al	352.621 352.630	
DESIGN OFFSET	-7.044	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	
					CH 4	2300			

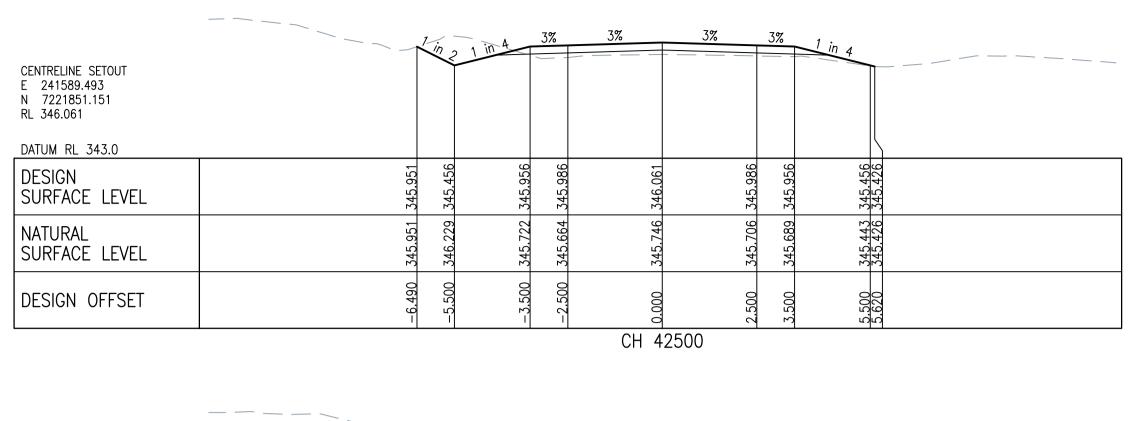
CENTRELINE SETOUT E 241665.647 N 7222141.324 RL 352.799  DATUM RL 349.0		I in 2	1 in 4	3%	3%	3% 35	%	1 in 4	 	
DESIGN SURFACE LEVEL	353.028	352.194	352.694	352.724	352.799	352.724	352.694	352.194 352.406		
NATURAL SURFACE LEVEL	353.028	353.092	352.552	352.540	352.596	352.494	352.401	352.374 352.406		
DESIGN OFFSET	-7.167	-5,500	-3.500	-2.500	0.000	2.500	3.500	5.500		
					CH 4220	00			 	



CENTRELINE SETOUT E 241703.169 N 7222286.555 RL 351.251		Tin 2	1 in 4	3%	3%	3%	3%	1 in 4	:E 2	
DESIGN SURFACE LEVEL	351.727	350.646	351.146	351.176	351.251	351.176	351.146	350.646	351.000	
NATURAL SURFACE LEVEL	351.727	351.355	351.014	351.174	351.193	351.066	350.927	350.972	351.000	
DESIGN OFFSET	-7.661	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		
					CH 420	50				

# TENDER ISSUE ONLY

No	Description	Paviawad Approved Data Client Logo	Client		Drawn	Designed	Approved	Scale (A1 size)		1	
NO.	Description	neviewed Approved Date		BANANA SHIRE COUNCIL	MC	J G	' '				51 Sheridan Street Cairns Qld 4870
σ		Bana	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	MS	MS		1:100	••••	ADO	T (07) 4281 6897
vision			HIRE	ANNOTATED CROSS SECTIONS SHEET 12 OF 64	Drawing Chec	k Design Check	RPEQ I	Drawing is not to be used for construction		ARU	E admin@aroindustries.com.au W www.aroindustries.com.au
1 TENDER ISS	UE	- 23/08/2024 SHIRE OF OPPO	RTUNITY	7 (1110 17 (12 D 01 000 020 110 110 01 12 01 04				unless approved.	•		ABN: 49 641 461 298
			Drawing No.	ADO2422 024							Revision



CENTRELINE SETOUT E 241602.195 N 7221899.511 RL 348.121		1 in 2	1 in 4	3%		3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	348.126	347.516	348.016	348.046	348.121	348.046	348.016	347.516	48.	
NATURAL SURFACE LEVEL	348.126		347.958	347.796	347.964	347.908	347.876	347.985	348.209	
DESIGN OFFSET	-6.720	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.887	
					CH 4	2450				

CENTRELINE SETOUT E 241614.897 N 7221947.871 RL 350.134  DATUM RL 347.0		1 in	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	350.027	349.529	350.029	350.059	350.134	350.059	350.029	349.529	349.920	
NATURAL SURFACE LEVEL	350.027	349.825	50.	349.833		349.805	349.741	349.816	349.920	
DESIGN OFFSET	-6.496		-3.500	-2.500	0.000	2.500	3.500	5.500	6.282	!
					CH 42	400				

CENTRELINE SETOUT E 241627.598 N 7221996.23 RL 352.056		1 in	1 in 4	3%	3% 3%		3%	1 in 4	- — — -	
DESIGN SURFACE LEVEL	351.927	1 1	351.951	351.981	352.056	351.981	351.951	351.451 351.458		
NATURAL SURFACE LEVEL	351.927	351.991	52.	351.749	351.855	351.799	351.747	351.461 351.458		
DESIGN OFFSET	-6.454	4 .	-3.500	-2.500	0.000	2.500	3.500	5.500 5.515		
	•				CH 42350					

CENTRELINE SETOUT E 241525.999 N 7221609.349 RL 343.357  DATUM RL 340.0		1 in 2	1 in 4 3%	3%	3%	3%	1 in 4		
DESIGN SURFACE LEVEL	343.339	342.752	43.	343.282	343.282	343.252	342.752	343.039	
NATURAL SURFACE LEVEL	343.339	343.496	343.016	343.079	343.053	342.974	343.007	343.039	
DESIGN OFFSET	-6.674	-5.500	•	-2.500	2.500	3.500	5.500	6.073	
				CH 4	12750				

CENTRELINE SETOUT E 241538.697 N 7221657.709 RL 343.719 DATUM RL 340.0		1 in 2	1 in 4	3%	3% 3%	3%	1 in 4	
DESIGN SURFACE LEVEL	343.700	343.114	343.614	343.644	343.719	343.044	343.114 343.295	
NATURAL SURFACE LEVEL	343.700	343.874	343.542	343.520	343.539	343,362	43.	
DESIGN OFFSET	-6.672	-5.500	-3.500	-2.500	0.000	3.500	5.500	
					CH 42700			

CENTRELINE SETOUT E 241564.093 N 7221754.431 RL 343.332  DATUM RL 340.0		1 in 2	1 in 4	3%	3% 3%	3%	1 in 4 in 2	
DESIGN SURFACE LEVEL	343.273	342.727	343.227	343.257	343.332	343.227	342.727	
NATURAL SURFACE LEVEL	343.273	343.437	342.975	343.009	343.019	342.864	342.906	
DESIGN OFFSET	-6.591	-5.500	-3.500	-2.500	0.000	3.500	5.500	
					CH 42600			

CENTRELINE SETOUT E 241576.792 N 7221802.791 RL 344.158 DATUM RL 341.0		1 in	2 1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	343.947	343.553	344.053	344.083	344.158	344.083	344.053	343.553 343.581	
NATURAL SURFACE LEVEL	343.947	343.937	343.687	343.806	343.814	343.782	343.778	343.592 343.581	
DESIGN OFFSET	-6.287		-3.500	-2.500	0.000	2.500	3.500	5.500	
					CH 4:	2550		•	

# TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date	Client Logo Client  Project	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved		Scale (A1 size) 1:100		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Revision 1 TEND	DER ISSUE	23/08/20	SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 13 OF 64	Drawing Che	ck Design Check	RPEQ	Date	Drawing is not to be used for construction unless approved.	ARU	W www.aroindustries.com.au  ABN: 49 641 461 298

1

CENTRELINE SETOUT E 241462.717		in 2	1 in 4	3%	3%	3%	3%	1 in 4	
N 7221367.491 RL 341.311									
	4	9	9	9		9	9	90	
DESIGN	76:	.706	.206	.23	.31	.236	.206	2	מ מ
SURFACE LEVEL	340.974	340.	341	341	341	341	341	340.706	7
NATURAL	42	933	73	46	<del>-</del>	89	54		
SURFACE LEVEL	340.97	0.9	340.873	0.1	<del>-</del>	341.068	0.9	340.889	
SUNFACE LEVEL	34	340.	34	34	34	34	34	34	5
DESIGN DEESET	6.037	200	200	200	0	0	0	9 1	2
DESIGN OFFSET	-6.6	-5.5	-3.5	-2.5	0.000	2.500		5.500	, ,
			•	•	CH 4	3000		•	

CENTRELINE SETOUT		1 in	2 1 in 4	3%		3%	3%	1 in 4	1 in 2	
E 241487.905 N 7221464.266 RL 340.512										
DATUM RL 337.0										
DESIGN	.327	706.		.437	.512	.437		2007		
SURFACE LEVEL	340	339	340	340	340	340	340	339	340	
NATURAL	327	345	327	352	349	294	389	483	524	
SURFACE LEVEL	340.	340.	340.327	340.	340.	•		340.		3
DECION OFFCET	340	200	3.500	500	0	0	0	0	4	
DESIGN OFFSET		-5.5	-3.5	-2.5	0.000	2.500		5.500	6.73	
					CH 4	2900	•			

CENTRELINE SETOUT E 241500.603 N 7221512.627 RL 341.431		t in 2	1 in 4	3%		3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	341.705	340.826	341.326	341.356	341.431	341.356	-	340.826	341.260	
NATURAL SURFACE LEVEL	341.705	341.401	341.189		341.318	341.241	341.116	341.212	341.260	
DESIGN OFFSET	-7.257	-5.500	-3.500	-2.500	000.0	2.500	3.500	5,500	6.368	
					CH 4	2850				

CENTRELINE SETOUT E 241513.301 N 7221560.988 RL 342.537 DATUM RL 339.0		Tinz	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	342.995	341.932	342.432	342.462	342.537	٠.	342.432	341.932	342.326	
NATURAL SURFACE LEVEL	342.995	342.336	342.607	342.412	342.344	342.256	342.193	342,254		
DESIGN OFFSET	-7.626	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.289	
					CH 4	2800				

CENTRELINE SETOUT E 241399.787 N 7221125.541 RL 342.036  DATUM RL 339.0		1 in	o 1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	341.964	341.431	341.931		342.036	341.961	1 1	341.431	
NATURAL SURFACE LEVEL	341.964	341.979	341.966	341.979	6	၂ တ	$\sim$	341.401 341.371	
DESIGN OFFSET	-6.566	-5.500	-3.500	-2.500	0.000			5.500	
					CH 4	3250		•	

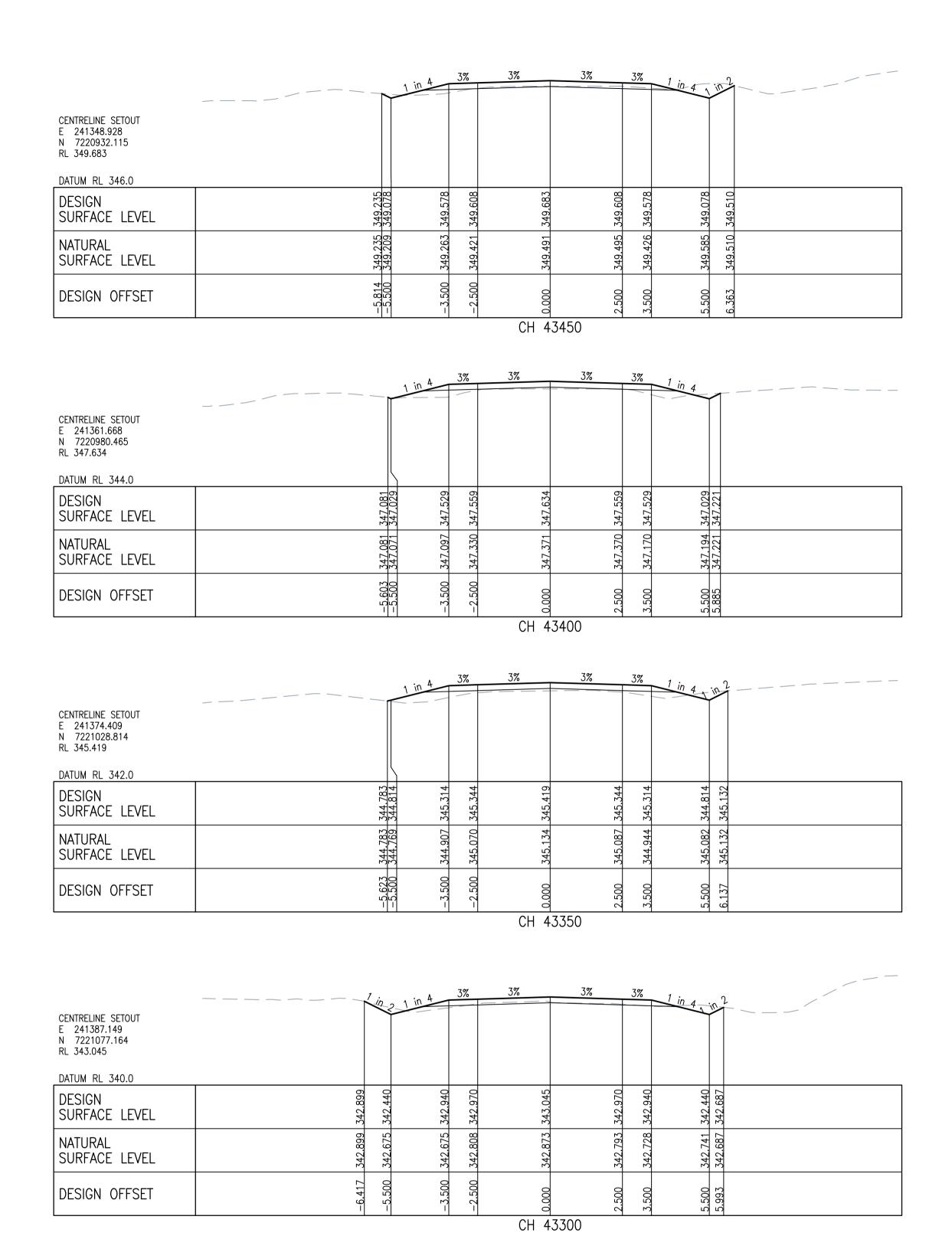
CENTRELINE SETOUT E 241412.374 N 7221173.93 RL 342.319 DATUM RL 339.0		1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	341.301	342.214	342.244	342.319	342.244	342.214	341.714	04   1000
NATURAL SURFACE LEVEL	341.901	341.963	342.060	342.062	341.861	341.771	341.682	74 1.000
DESIGN OFFSET	-5.874	-3.500	-2.500	0.000	2.500	3.500	5.500	2000
			•	CH 43	3200			

CENTRELINE SETOUT E 241437.545 N 7221270.71 RL 342.222  DATUM RL 339.0		1 in 2	in 4	3%	3%	3%	3%	1 in 4	 - — — — —
DESIGN SURFACE LEVEL	342.155	341.617	342.117	342.147	342.222	342.147	342.117	341.617 341.773	
NATURAL SURFACE LEVEL	342.155	342.032	341.862	341.999	342.024	341.973	1 1	341.778 341.773	
DESIGN OFFSET	-6.576	-5.500	-3.500	-2.500	0.000	2.500		5.500	
			•		CH 4	3100			

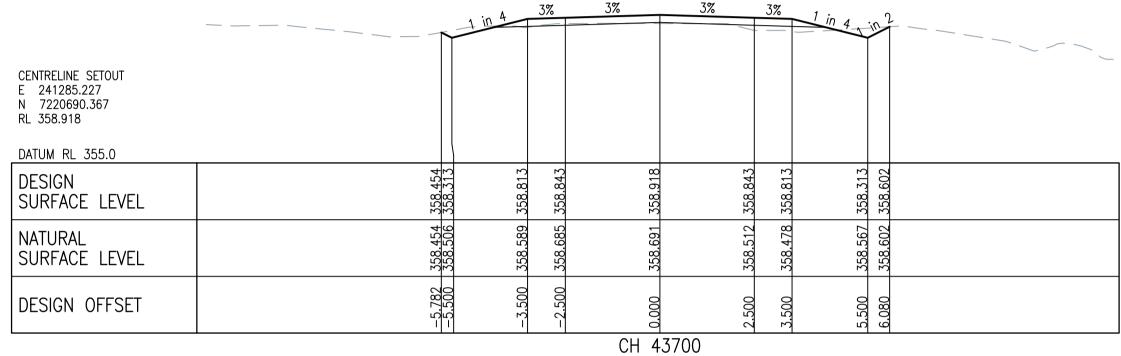
CENTRELINE SETOUT E 241450.131 N 7221319.1 RL 341.887  DATUM RL 339.0		1 in	2 1 in 4	3%	3%	3%	3%	1 in 4		
DESIGN SURFACE LEVEL	341.697	1 1	341.782	341.812	341.887	341.812	341.782	•	341,500	
NATURAL SURFACE LEVEL	341.697	•	341.455	341.673	341.705	341.687	341.593	341.494	341.500	
DESIGN OFFSET	-6.330		-3.500	-2.500	0.000	2.500	3.500	5.500	5.937	
	•			•	CH 4305	0	•		•	

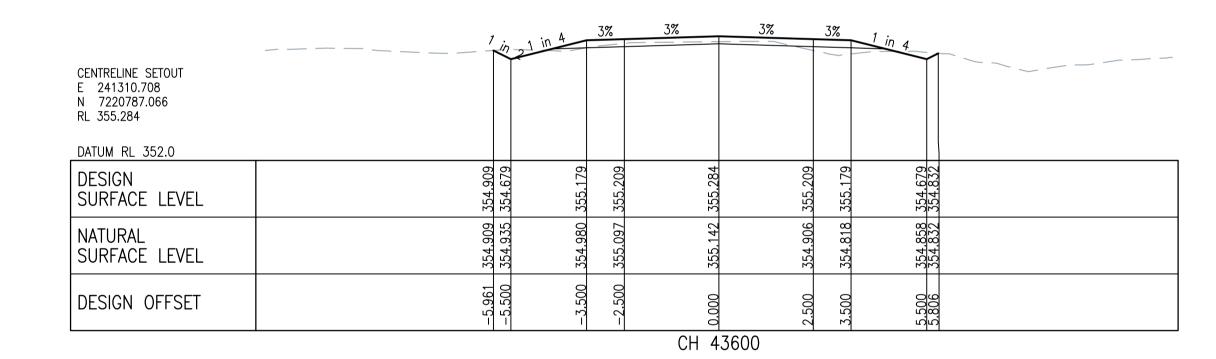
## TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn MS	Designed MS	Approved	Scale (A1 size)		51 Sheridan Street Cairns Qld 4870
ω		Banar	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS	IVIO		1:100		T (07) 4281 6897
evision		SHIRE OF OPPORT	Title	ANNOTATED CROSS SECTIONS SHEET 14 OF 64	Drawing Chec	k Design Check	RPEQ	Date  Drawing is not to be used for construction	ARC	W www.aroindustries.com.au  ARN: 40.641.461.209
1 TENDER ISSUE	E	- 23/08/2024	21,1,1					unless approved.	, and the second	ABN: 49 641 461 298



CENTRELINE SETOUT E 241272.487 N 7220642.017 RL 360.925 DATUM RL 358.0		1 in	21 in 4	3%	3% 3%		3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	360 648	360.320	360.820	360.850	360.925	360.850	360.820	360.320	360.886	
NATURAL SURFACE LEVEL	360 648	360.571	360.605	360.677	360.732	360.587	360.574	360.943	360.886	
DESIGN OFFSET	4 4 7	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		
				•	CH 43750	•	•			
				3%	3% 3%		3%			

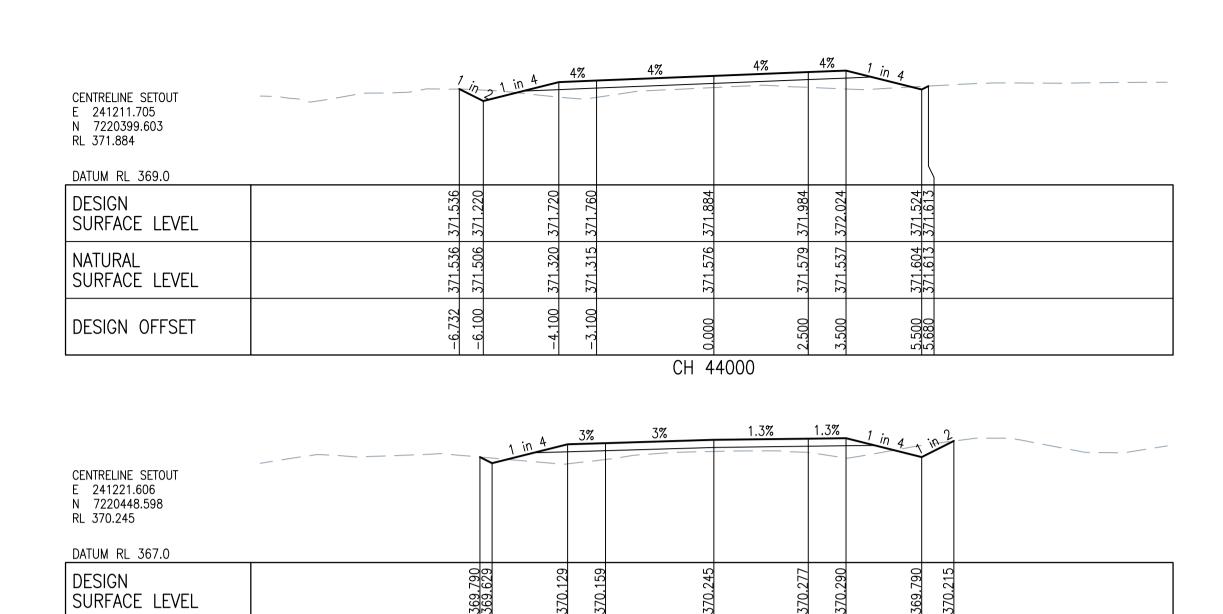




CENTRELINE SETOUT E 241336.188 N 7220883.766 RL 351.633  DATUM RL 349.0		1 in 4	3%		3%	3%	1 in 4	.E 2	
DESIGN SURFACE LEVEL	351.233 351.028				351.558		351.028		
NATURAL SURFACE LEVEL	351.233	1 1			351.576		1.34	1 1	
DESIGN OFFSET	-5.909	-3.500	-2.500		2.500		5.500	6.108	
				CH 4	3500				

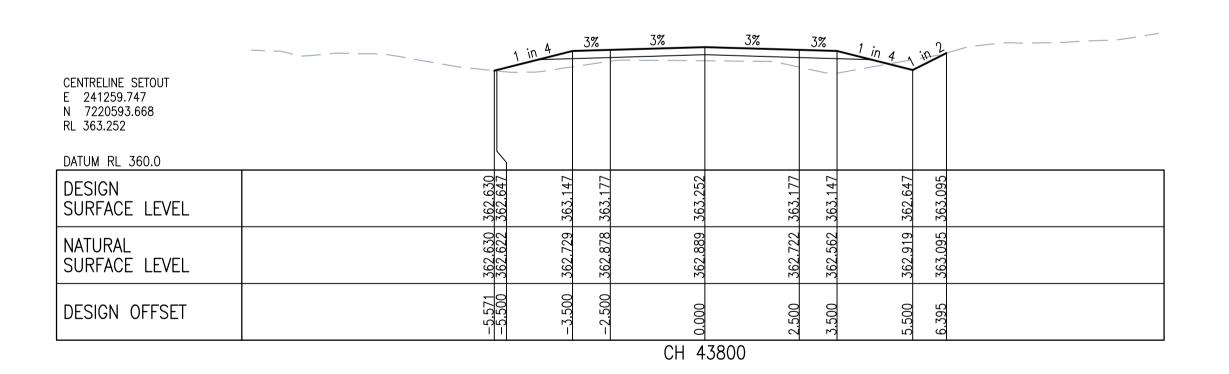
### TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn MS	Designed MS	Approved	Scale (A1 size) 1:100		51 Sheridan Street Cairns Qld 4870
risions		Dan	SHIRE Title	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawing Chec	eck Design Check	RPEQ	Date Drawing is not to be	- IIII ARO	T (07) 4281 6897 E admin@aroindustries.com.au W www.aroindustries.com.au
1 TENDER ISSUE		23/08/2024 SHIRE OF OI	PPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 15 OF 64				used for construction unless approved.		ABN: 49 641 461 298

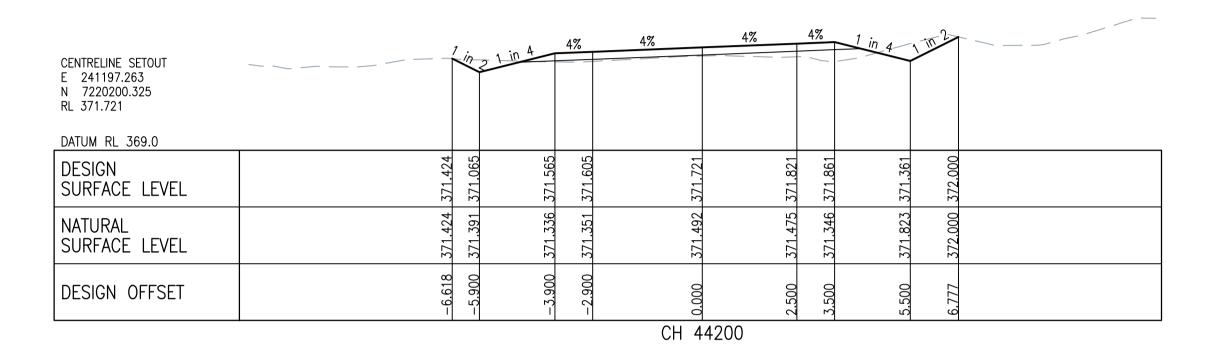


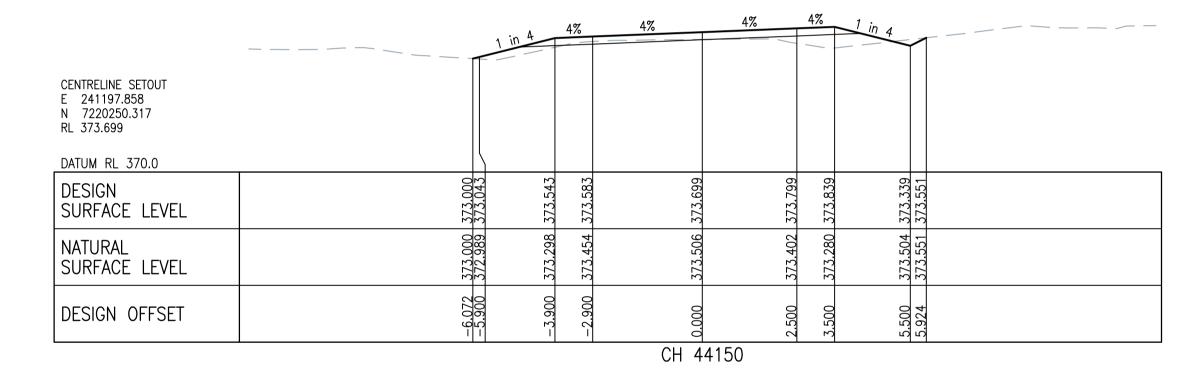
CENTRELINE SETOUT E 241234.266 N 7220496.968 RL 368.15  DATUM RL 365.0		1 in 4	3%	3%	3%	3%	1 in 4	1-in-2	
DESIGN SURFACE LEVEL	367.681	368.045	368.075	368.150	368.075	368.045	367.545	368.144	
NATURAL SURFACE LEVEL	367.681	367.528	367.741	367.844	367.805	367.603	367.903	368.144	
DESIGN OFFSET	-5.772	-3.500	-2.500	0.000	2.500	3.500	5.500	6.699	
				CH 43	3900				

CH 43950



CENTRELINE SETOUT E 241202.589 N 7220100.498 RL 364.495  DATUM RL 361.0		1 in 4	4%	4%	4%	4%	1 in 4	
DESIGN SURFACE LEVEL	364.053	364,339		364.495	364.595	364.635		77.04.04
NATURAL SURFACE LEVEL	364.053	363.964	363.945	364.212	364.294	364.224	363.977	77.04.04
DESIGN OFFSET	-6.330	-5.900	-2.900	000.0	2.500	3.500		60 00 01
				CH 4	4300			





CENTRELINE SETOUT E 241200.626 N 7220300.236 RL 374.054  DATUM RL 371.0	1 in 4 4% 4% 1 in 4
DESIGN SURFACE LEVEL	373.566 373.566 373.898 374.154 374.194 373.694 373.694
NATURAL SURFACE LEVEL	373.566 373.559 373.627 373.627 373.557 373.712 373.712
DESIGN OFFSET	-6.236 -5.900 -3.900 -3.500 5.500 5.500
	CH 44100

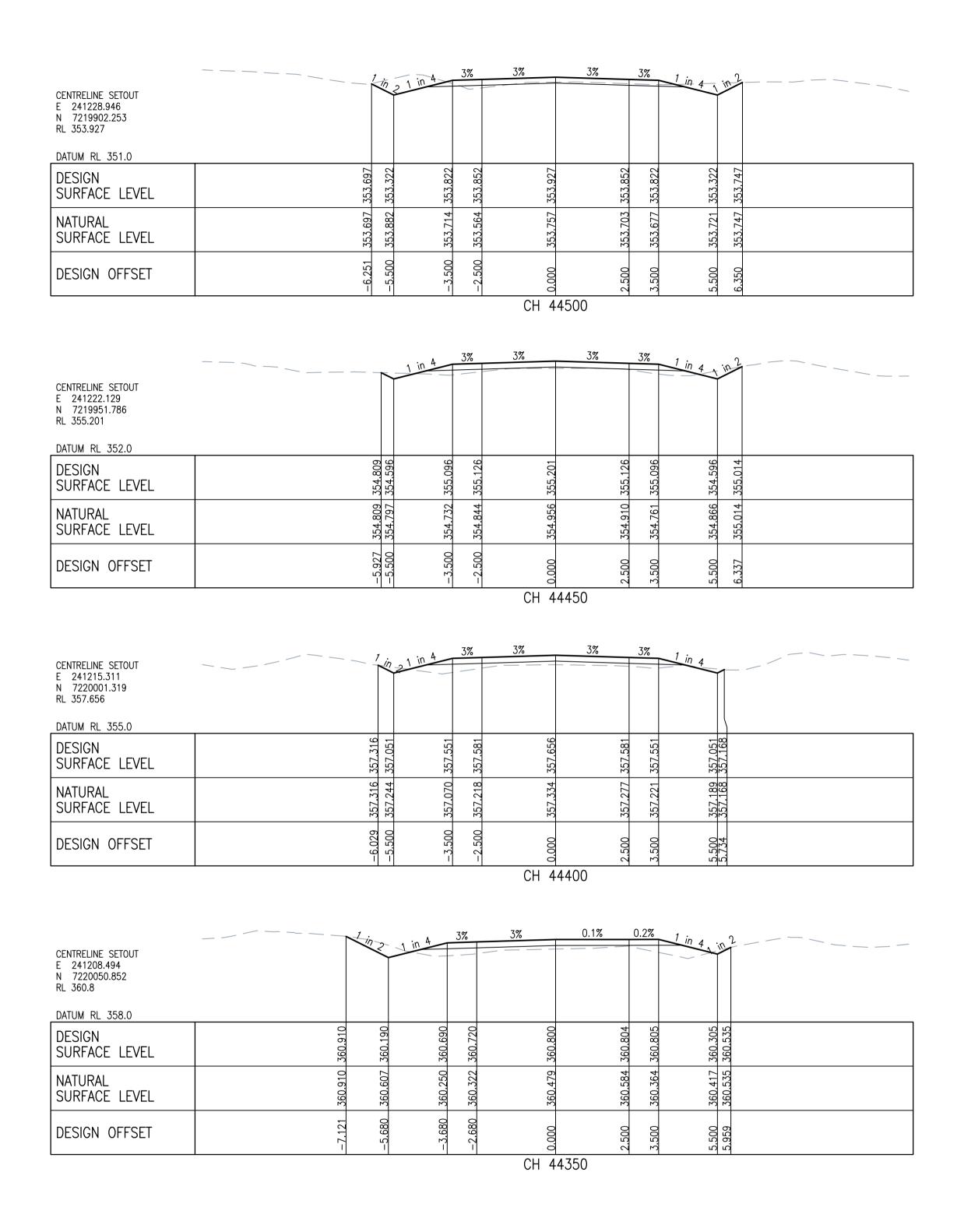
#### 0 1 2 3 4 5m SCALE 1:100 (A1)

NATURAL SURFACE LEVEL

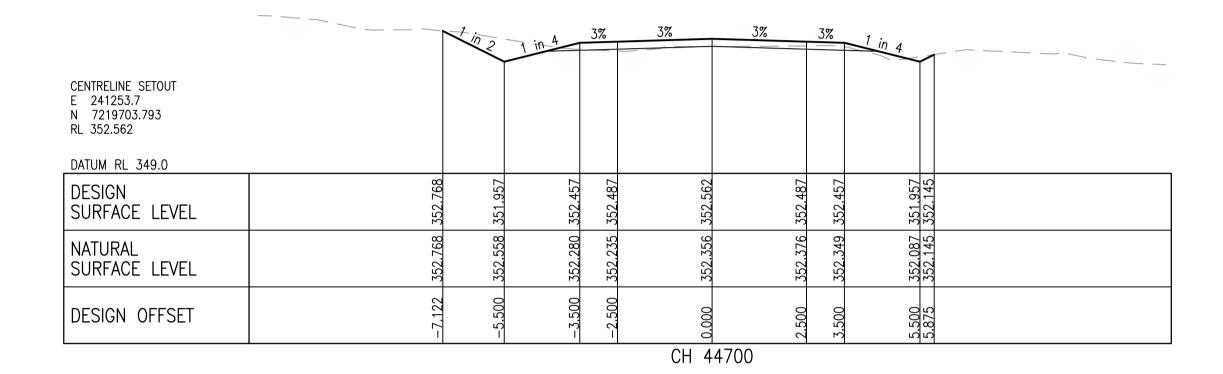
DESIGN OFFSET

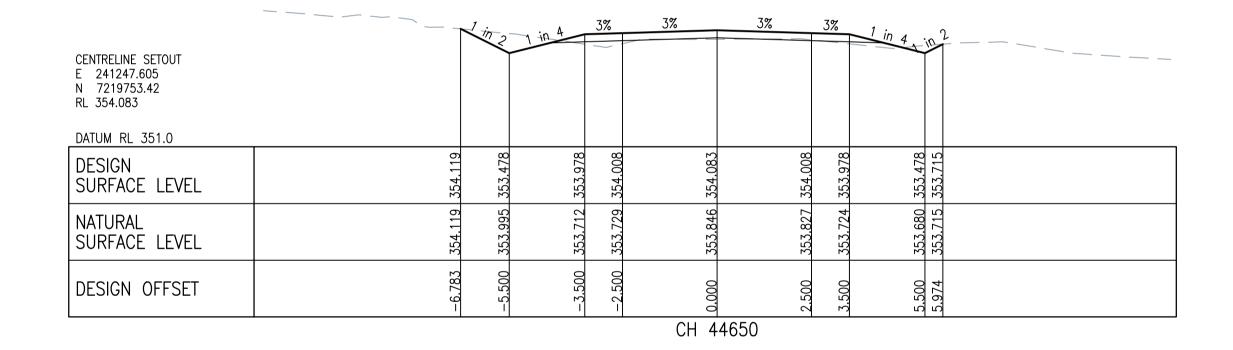
### TENDER ISSUE ONLY

No.	Description [	Reviewed Approved Date	Client Logo Client Banana Project	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved		Scale (A1 size) 1:100	•••••		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Revision	TENDER ISSUE	23/08/2024	SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 16 OF 64	Drawing Ched	k Design Check	k RPEQ	Date	Drawing is not to be used for construction unless approved.		ARU	W www.aroindustries.com.au  ABN: 49 641 461 298



CENTRELINE SETOUT E 241259.795 N 7219654.166 RL 350.116 DATUM RL 347.0		Tin 2	1 in 4	3%	3%	3%	3%	1 in 4 \	in 2	
DESIGN SURFACE LEVEL	350.507	349.511	350.011	350.041	350.116	350.041	350.011	349.511	349.918	
NATURAL SURFACE LEVEL	350.507	350.371	349.702	349.736	350.015	350.033	349.929	349.781	349.918	
DESIGN OFFSET	-7.493	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.315	
					CH 4	4750				



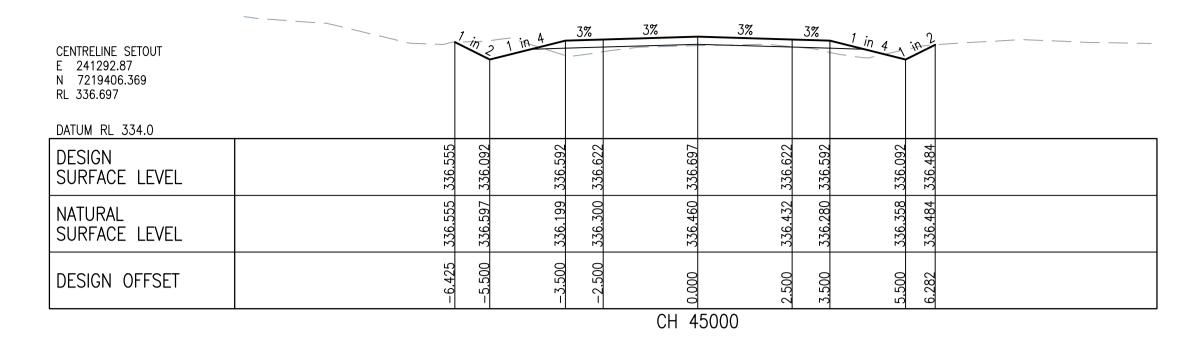


CENTRELINE SETOUT E 241241.51 N 7219803.047 RL 354.285  DATUM RL 351.0		1 in 2	1 in 4	3%	3% — — —	3%	3%	1 in 4	 	
DESIGN SURFACE LEVEL	354 356	• •	354.180	354.210	354.285	354.210	18	353.680 353.718		
NATURAL SURFACE LEVEL	354 356		353.943	353.911	353.989	353.960	353.846	353.721 353.718		
DESIGN OFFSET			-3.500	-2.500	0.000	2.500		5.500 5.576		
					CH 4	4600				

### TENDER ISSUE ONLY

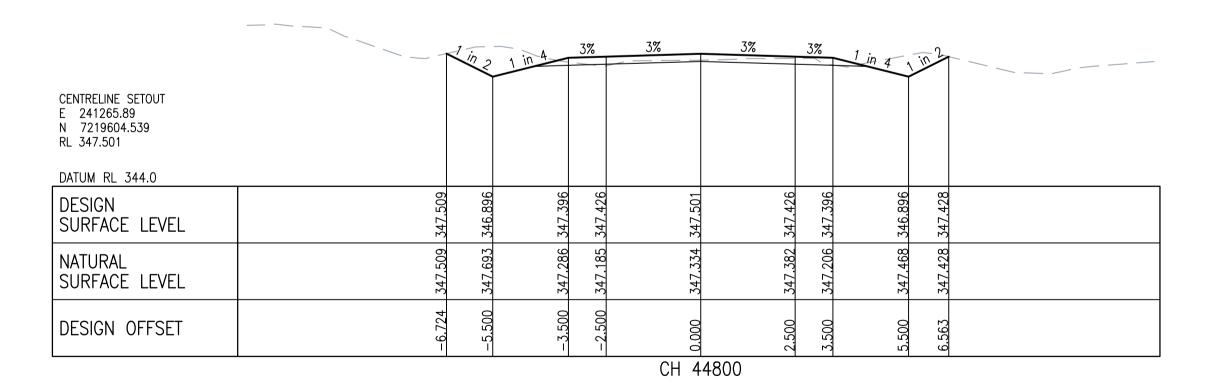
No.	Description Reviewed A	Approved Date	Client Logo Clie	ient	BANANA SHIRE COUNCIL	Drawn Designed Approved  MS MS	Scale (A1 size)	•	51 Sheridan Street Cairns Qld 4870
<u>ω</u>			Banana	oject	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS IVIS	1:100	······ ADO	T (07) 4281 6897
evision			SHIRE	le	ANNOTATED CROSS SECTIONS SHEET 17 OF 64	Drawing Check Design Check RPEQ Date	Drawing is not to be used for construction	- ARO	W www.aroindustries.com.au
1 TENDER	SSUE -	- 23/08/2024	SHIRE OF OFFORTONITY				unless approved.	• 1	ABN: 49 641 461 298

Drawing No.

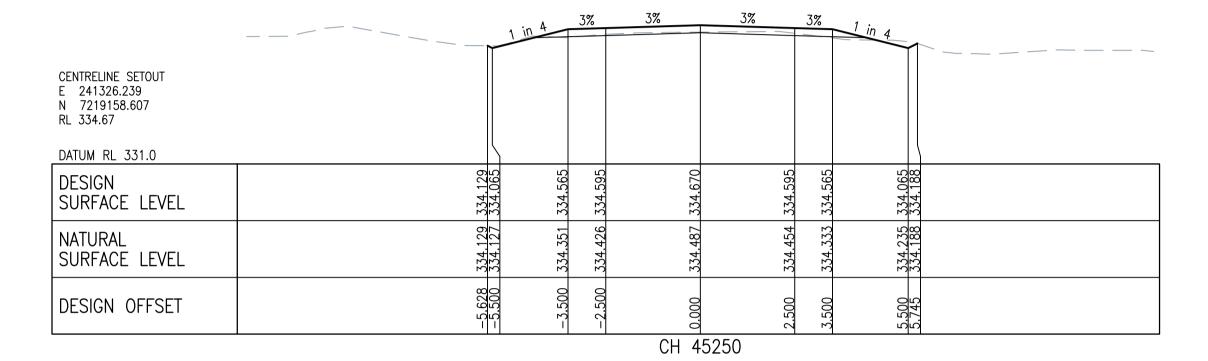


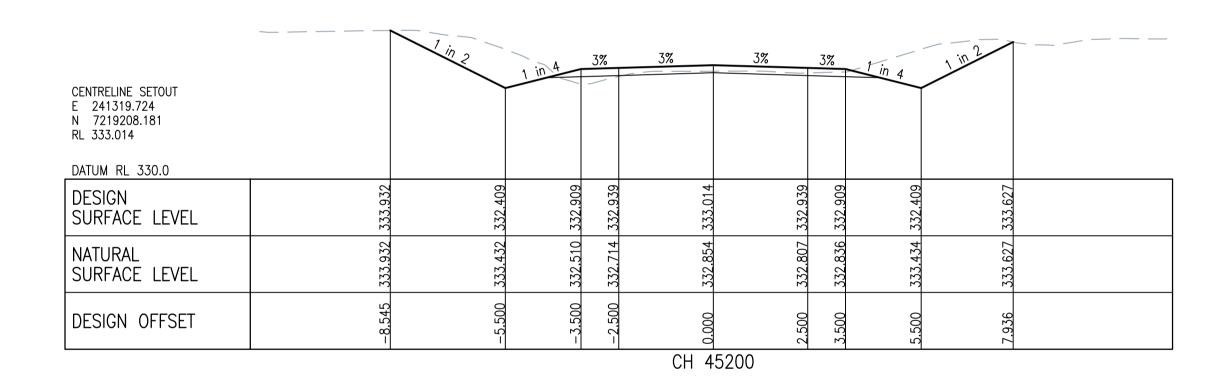
CENTRELINE SETOUT E 241286.053 N 7219455.902 RL 339.313		in in	21 in 4 3%		3% 3%	3%	1 in 4		
DESIGN SURFACE LEVEL		338.708	339.208	003.600	339.313		559.208	338.813	
NATURAL SURFACE LEVEL	338.963	338.827	338.927	333.140	339.164		338.800	338.813	
DESIGN OFFSET		-5.500	-3.500	000.7-	0.000		5.500	5.709	
					CH 44950				

CENTRELINE SETOUT E 241279.237 N 7219505.435 RL 342.034 DATUM RL 339.0		1 10	21 in 4 38	<u>%</u>	3% 3%		3%	1 in 4	2	
DESIGN SURFACE LEVEL	341 748	341.429	341.929	341.959	342.034	341.959	341.929	341.429	341.688	
NATURAL SURFACE LEVEL	341 748	1.5	341.663	341.805	341.834	341.802	341.668	341.698	341.688	
DESIGN OFFSET	_6 137	. 5	-3.500	-2.500	0.000	2.500	3.500	5.500	6.017	
					CH 44900					



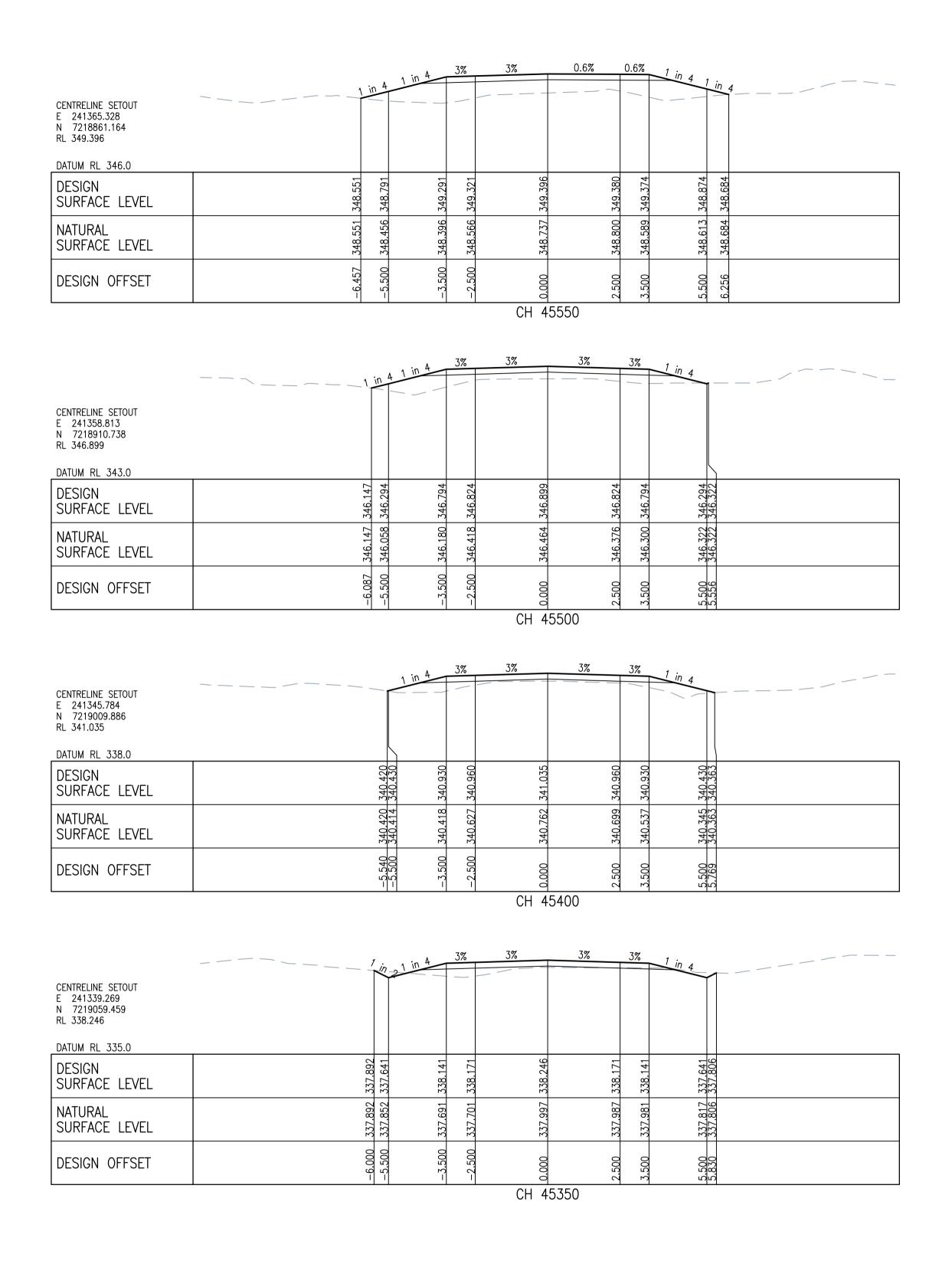
CENTRELINE SETOUT E 241332.754 N 7219109.033 RL 336.157		in	21 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	335.864	335.552	336.052	336.082	336.157	336.082	336.052	335.552	
NATURAL SURFACE LEVEL	335.864	335.806	335.619	335.730	335.937		335.752	335.736	·!
DESIGN OFFSET	-6.125	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	000000000000000000000000000000000000000
					CH 4	5300			





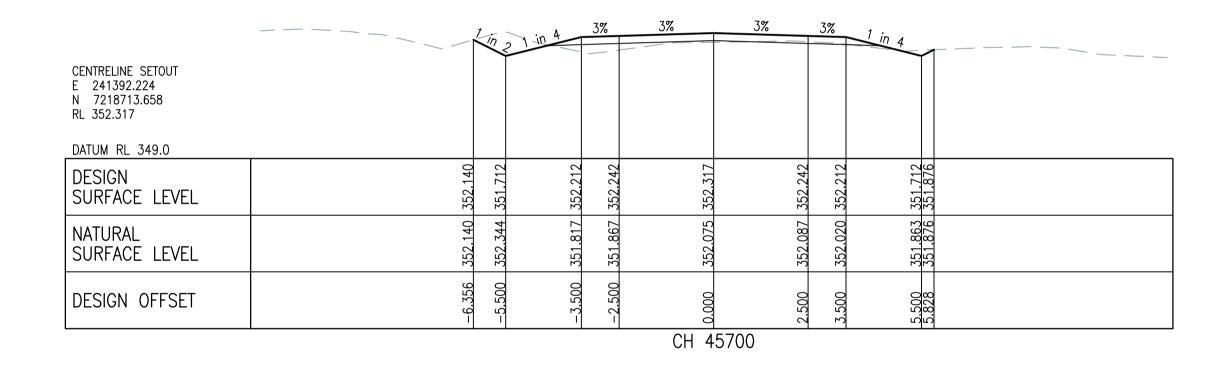
CENTRELINE SETOUT E 241306.503 N 7219307.302 RL 331.685			2	1 in 4	3%	3%	3%		3%	1 in 4	in ?	
DESIGN SURFACE LEVEL		331.502	331.080	331.580	331.610	331.685		331.610	331.580	331.080		
NATURAL SURFACE LEVEL		331.502	331.732	331.550	331.553	331.636		331.589	331.450	331.342	1 1	
DESIGN OFFSET		-6.344	-5.500	-3.500	-2.500	0.000		2.500	3.500	5.500	6.021	
						CH 4	5100					

No.	Description	Reviewed Approved Date	Client Logo Client Project	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved		Scale (A1 size) 1:100		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Revision 1 TEN	DER ISSUE	23/08/2024	SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 18 OF 64	Drawing Che	ck Design Check	RPEQ	Date	Drawing is not to be used for construction unless approved.	ARU	W www.aroindustries.com.au  ABN: 49 641 461 298



CENTRELINE SETOUT E 241432.621 N 7218517.782 RL 354.348 DATUM RL 351.0	1 10	21 in 4	3%	3%	3%	3%	1 in 4	 	
DESIGN SURFACE LEVEL	354.12/	354.243	354.273	354.348	354.273	354.243	353.743 353.657		
NATURAL SURFACE LEVEL	354.12/	- 9	353.743	353.892	353.832	353.745	353.652 353.657		
DESIGN OFFSET	-6.26/	-3.500	-2.500	0.000		3.500	5.500 5.845		
				CH 4	5900				

CENTRELINE SETOUT E 241412.729 N 7218615.784 RL 353.333		1 in 4	3%	3%	3%	3%	1 in 4	1 in	4
DESIGN SURFACE LEVEL	352.654	352./28 353.228	353.258	353,333	353.258	353.228	352.728	352.538	
NATURAL SURFACE LEVEL	352.654	352.590	352.674	352.814	352.735	352.616	352,509	352,538	
DESIGN OFFSET	-5.794	-5.500	-2.500	0.000	2.500		5.500	6.258	
				CH 4	5800				



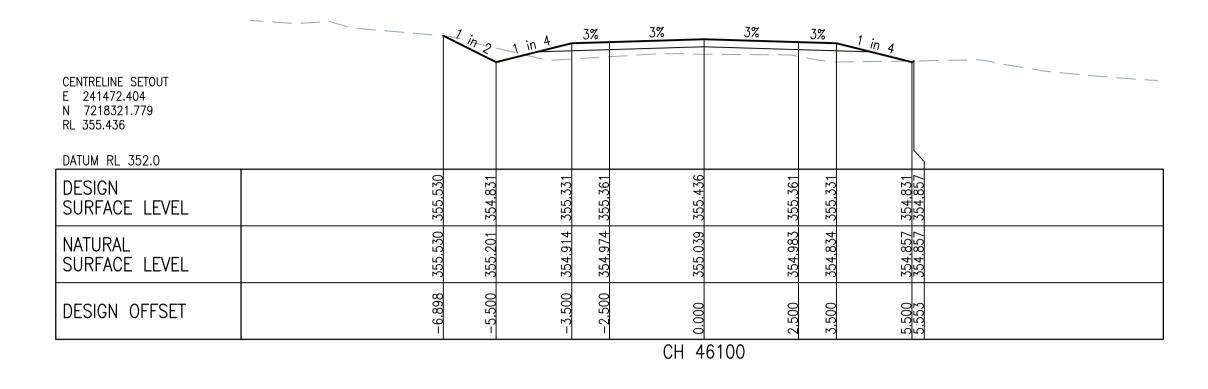
CENTRELINE SETOUT E 241372.547 N 7218811.691 RL 351.027		1 in 4	1 in 4 3	%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	350.159	350.422	350.922	350.952	351.027	351.102	351.132	350.632	087.060
NATURAL SURFACE LEVEL	350.159	350.076	350.315	350.328	350.479	350.457	350.409	350.726	
DESIGN OFFSET	-6.551	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500 5.706	987.5
			•		CH 4560	00			

### TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn	Designed	Approved	Scale (A1 size)		51 Sheridan Street Cairns Qld 4870
<u>v</u>		Bar	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	MS	MS		1:100	ADO	T (07) 4281 6897
evision		SHIRE OF	SHIRE	ANNOTATED CROSS SECTIONS SHEET 19 OF 64	Drawing Che	ck Design Check	RPEQ	Date  Drawing is not to be used for construction	MARU	W www.aroindustries.com.au  ABN: 49 641 461 298
1 TENDER ISSUE		23/08/2024						unless approved.	· · ·	ADIN. 49 041 401 298

Drawing No.

1



CENTRELINE SETOUT E 241462.459 N 7218370.78 RL 355.366 DATUM RL 352.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	355.510	354.761	355.261	355.291	355.366	355.291		354.761 354.824	
NATURAL SURFACE LEVEL	355.510	355.106	354.872	354.977	355.057	354.956	4	354.821 354.824	
DESIGN OFFSET	866.9-	-5.500	-3.500	-2.500	0.000	2.500			
					CH 4	6050			

CENTRELINE SETOUT E 241452.513 N 7218419.781 RL 355.196		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	
DATUM RL 352.0									
DESIGN SURFACE LEVEL	355.179	7	355.091	355.121	355,196	355.121	355.091	4141	
NATURAL SURFACE LEVEL	355.179	.01	354.630	354.731	354.886	354.802		354.597 354.597	
DESIGN OFFSET	929.9—	-5.500	-3.500	-2.500	0.000	2.500			
					CH 4	-6000			

CENTRELINE SETOUT E 241442.567 N 7218468.781 RL 354.844		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	354.750	?	354.739	54,769	8.4	354.769	54.739	354.239	74.164
NATURAL SURFACE LEVEL	354.750 3	615	354.190 3	354.258 3	54.351	354.330 3	354.238 3	354.159 3	
DESIGN OFFSET	16.521	200	-3.500	-2.500	000'0	2.500	3.500	5.500	
	•		<u>'</u>		CH 459	950	<u> </u>	•	

CENTRELINE SETOUT E 241511.893 N 7218125.717 RL 353.478 DATUM RL 350.0		1 in 2	1 in 4	3% -		3%	3%	1 in 4	 	. <u> </u>
DESIGN SURFACE LEVEL	353.540	352.873	353.373	353.403	353.478	353.403	353.373	352.873		
NATURAL SURFACE LEVEL	353.540	353.738	353.628	353.626	353.610	353.617	353.288	353.099		
DESIGN OFFSET	-6.835	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		
					CH 46300	)		_		

CENTRELINE SETOUT E 241502.242 N 7218174.776 RL 354.424 DATUM RL 351.0		1 in ?	1 in 4	3%	3% 3%		3%	1 in 4	:n2	
DESIGN SURFACE LEVEL	354.536	353.819	354.319	354.349	354.424	354.349	354.319	353.819	354.256	
NATURAL SURFACE LEVEL	354.536	354.288	· -	354.211	354.180	354.107	354.036	354.176	354.256	
DESIGN OFFSET	-6.933	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.374	
			·		CH 46250					

CENTRELINE SETOUT E 241492.296 N 7218223.777 RL 354.994 DATUM RL 352.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	355.217	354.389	354.889	354.919	354,994	354.919	354.889	354.389 354.567	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
NATURAL SURFACE LEVEL	355.217	354.854	354.710	354.765	354.743	354.594	354.437	354.538 354.538	700.
DESIGN OFFSET	-7.156	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500 5.500 5.556	
					CH 46	5200		•	

CENTRELINE SETOUT E 241482.35 N 7218272.778 RL 355.373  DATUM RL 352.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4		
DESIGN SURFACE LEVEL	355.780	354.768	355.268	355.298	355.373	355.298	355.268	354.768 354.768		
NATURAL SURFACE LEVEL	355.780	355.283	355.043	355.130	355.172	355.063	354.971	354.946	76. 17. 17. 17.	
DESIGN OFFSET	-7.524	-5.500	-3.500	-2.500	0.000	2.500		5.500		
					CH 40	6150				

# TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date	Client Logo Client  Project	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved		Scale (A1 size) 1:100		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Revision 1 T	ENDER ISSUE	23/08/2024	SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 20 OF 64	Drawing Che	ck Design Check	RPEQ	Date	Drawing is not to be used for construction unless approved.	ARU	W www.aroindustries.com.au  ABN: 49 641 461 298

1

CENTRELINE SETOUT E 241572.984 N 7217832.015 RL 345.812 DATUM RL 343.0	7 in 21	in 4 3%	3%	3% 3%	1 in 4	
DESIGN SURFACE LEVEL	345.634	345.707	345.812	45.7	345.707 345.207 345.348	
NATURAL SURFACE LEVEL	345.634	345.419	345.542	7,1	345.377 345.353 345.353 345.348	
DESIGN OFFSET	-6.355	-3.500	0.000	•	3.500 5.500 5.783	
		·	CH 46600	)		

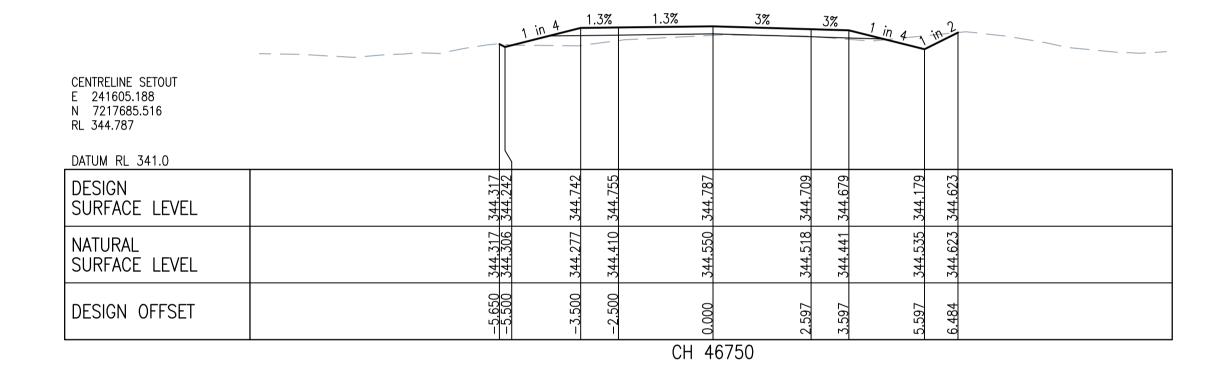
CENTRELINE SETOUT E 241551.863 N 7217929.758 RL 347.839 DATUM RL 344.0		in 2 1 in	4 3%		3%	3%	1 in 4	
DESIGN SURFACE LEVEL	348.202	347.234	347.734	347.839	347.764	347.734	347.234	
NATURAL SURFACE LEVEL	348.202	348.024	347.498	347.723	347.615	347.463	347.414 347.414	
DESIGN OFFSET	-7.435	-5.500	-3.500	0.000	2.500	3.500	5.500 5.860	
	_			CH 4	6500			

CENTRELINE SETOUT E 241541.51 N 7217978.674 RL 348.9 DATUM RL 346.0		1 in 2	1 in 4	3%	3% 3	3%	3%	1 in 4 \	in 2	
DESIGN SURFACE LEVEL	348.938	348.295	348.795	348.825	348.900	348.825	348.795	348.295	348.660	
NATURAL SURFACE LEVEL	348.938	348.613	348.631	348.708	348.717	348.604	348.559	348,644	348.660	
DESIGN OFFSET	-6.786	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		
					CH 46450					

CENTRELINE SETOUT E 241531.156 N 7218027.59 RL 350.274 DATUM RL 347.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	350.264	349.669	350.169	350.199	350.274	350.199	350.169	349.669	349.962	
NATURAL SURFACE LEVEL	350.264	350.327	349.962	350.047	350.021	349.960	349.867	349.941	349.962	
DESIGN OFFSET	069.9	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.085	
					CH 46	6400				

CENTRELINE SETOUT E 241623.021 N 7217587.155 RL 347.035		1 in 4	4%	4%	4%	4%	1 in 4	<u>in 2</u>	
DESIGN SURFACE LEVEL	346.798 346.798	347.175	347.135	347.035	346,919	346.879	346.379	346.909	
NATURAL SURFACE LEVEL	346.798 346.798	: '	346.839	346.833	346.731	346.767	$\widetilde{\omega}$	346.909	
DESIGN OFFSET	-5.746 -5.500	-3.500	-2.500	0.000	2.900	3.900	5.900	096.9	
				CH 4	6850				

CENTRELINE SETOUT E 241615.255 N 7217636.541 RL 346.075		1 in 4	2.6%	2.6%	3%	3%	1 in 4	_~~	_
DESIGN SURFACE LEVEL	345.617	346.166	346.140	346.075	345.994	345.964	345.464 345.636		
NATURAL SURFACE LEVEL	345.617	345.585	345.723	345.847	345.747	345.618	345.674 345.636		
DESIGN OFFSET	- 5.699 - 5.699	-3.500	-2.500	0.000	2.726	3.726	5.726		
				CH 4	6800				



CENTRELINE SETOUT E 241594.867 N 7217734.439 RL 344.212  DATUM RL 338.0		1 in 4	3%	3%	3%	3%	1 in 4	1 in 4	
DESIGN SURFACE LEVEL	342.514	343.607	344.137	344.212	344.137	344.107	343.607		
NATURAL SURFACE LEVEL	342.514	342.323	344.030	344.058	344.056	344.068	342.520		
DESIGN OFFSET	-9.871	-5.500	-3.500	0.000	2.500	3.500	5.500		
				CH 46700	)				

# TENDER ISSUE ONLY

		Oliophia	Olit		1	Б		01- (11)			
No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn	Designed	Approved	Scale (A1 size)			51 Sheridan Street Cairns Qld 4870
ω		Bana	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	MS	MS		1:100	••••	<b>ADO</b>	T (07) 4281 6897
evision		SHIPE OF ORD	SHIRE	ANNOTATED CROSS SECTIONS SHEET 21 OF 64	Drawing Chec	k Design Check	RPEQ [	Drawing is not to be used for constructio	e n	ARU	W www.aroindustries.com.au
1 TENDER ISS	UE	23/08/2024	OKIONITY					unless approved.			ABN: 49 641 461 298
			Drawing No.	ADO0400 070							Revision

CENTRELINE SETOUT E 241674.781 N 7217343.456 RL 350.752		tin 2	1 in 4 2.2%	2.2%	3%	3%	- 1 in 4	1,102	
DESIGN SURFACE LEVEL	350.994	350.177	350.677	350.752	350.672		350.142	351.041	
NATURAL SURFACE LEVEL	350.994	350.833	350.483	350.625	350.605		351.063	351.041	
DESIGN OFFSET	-7.134	-5.500	-3.500	0.000	2.688	1 1	5.688	7.487	
				CH 4	7100	•			

CENTRELINE SETOUT E 241663.748 N 7217392.215 RL 349.38  DATUM RL 346.0		1 in 2	1 in A	3%	3% 3%		3%	1 in 4		
DESIGN SURFACE LEVEL	349.542	348.985	349.485	349.455	<u>ν</u> .	349.282	349.252	348.752	350.218	
NATURAL SURFACE LEVEL	349.542	349.365	349.127	349.274	1	349.081	349.439	349.986	350.218	
DESIGN OFFSET	-6.614	-5.500	-3.500	-2.500	0.000	3.261	4.261	6.261	9.193	
					CH 47050					

CENTRELINE SETOUT E 241648.764 N 7217439.903 RL 347.745	in 4 3% 3% 3% 3% 1 in 4	-2
DESIGN SURFACE LEVEL	347.503 347.850 347.850 347.650 347.650	348.519
NATURAL SURFACE LEVEL	347.503 347.503 347.629 347.629 347.759 347.799	348.519
DESIGN OFFSET	-5.807 -5.500 -3.500 -2.500 -2.500 -4.143 -4.143	8.940
	CH 47000	

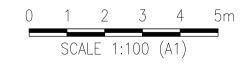
CENTRELINE SETOUT E 241627.871 N 7217537.398 RL 347.469 DATUM RL 344.0		1 111	3 1 in 4 4%	4%	4%	4%	1 in 4	m 2	
DESIGN SURFACE LEVEL	74 7 4 5 4 7 4 5 4 5 4 5 4 5 4 5 5 6 5 6 5 6 5 6 5 6	1 . 1	347.609	347.469	747 757	•	346.813	347.134	
NATURAL SURFACE LEVEL	747 438	• •	347.448	347.399	347 270		-	347.134	
DESIGN OFFSET	ر د د د		-3.500	000.0	0 900	006:3		6.542	
				CH 4	6900				

CENTRELINE SETOUT E 241725.542 N 7217098.664 RL 358.193		in A	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	358.312	357.588	358.118	358.193	358.118	358.088	357.588	358.369	
NATURAL SURFACE LEVEL	358.312	358.100	357.870	357.913	357.814	357.711	358.116	358.369	
DESIGN OFFSET	6.950	-5.500		000.0	2.500	3.500	5.500	7.06.3	
				CH 4	-7350				

	 1 in	1 in 4	3%	3%	3%	3% 1	in 4 1 in		
CENTRELINE SETOUT E 241715.39 N 7217147.623 RL 356.57									
DATUM RL 353.0									
DESIGN SURFACE LEVEL	356.560	356 465	356.495	356.570	356.495	356.465	355.965	356.825	
NATURAL SURFACE LEVEL	356.560	356 131	356.274	356.322	356.215	356.212	356.715	356.825	
DESIGN OFFSET	-6.689	-3.500	-2.500	0.000	2.500		5.500	7.220	
				CH 4	7300				

CENTRELINE SETOUT E 241705.238 N 7217196.581 RL 354.865  DATUM RL 352.0		in 4 3%	3% 3	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	354.473 354.260	354.760	354.865	354.790	354.760	354.260	355.218	
NATURAL SURFACE LEVEL	354.473 354.493	354.755	354.651	354.614	354.765	355.270	355.218	
DESIGN OFFSET	-5.926	-3.500	0.000	2.500	3.500	5.500	7.415	
			CH 47250					

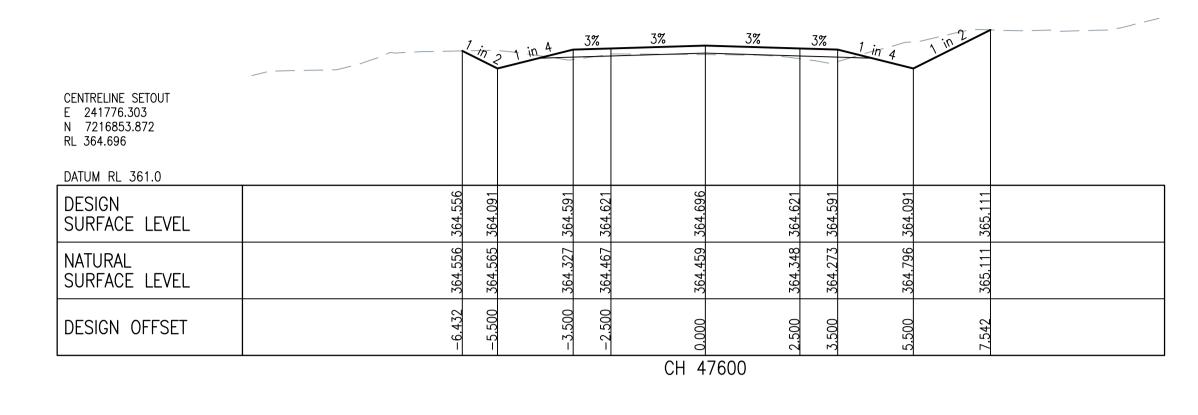
		1 1/1 2	1 in 4 3%	3%	3%	3%	1-in 4	1 in 2	
CENTRELINE SETOUT E 241695.085 N 7217245.54 RL 353.308									
DATUM RL 350.0	0	M	N N	∞	2	2	3		
DESIGN	3.35	2.70	5.203	353.308	353.233	3.203	2.70	7.5	
SURFACE LEVEL	35.	352	353.	35.	35	353.	352	35.3	
NATURAL	92	15	30	35	070	047	-19	757	
SURFACE LEVEL	55	53.1	353.026	353.135	353.020	353.0	353.4	753.7	
SOM THE SERVICE	32	35	<u> </u>	32	3,5	3,5	3,6	7	
DECION OFFCET	212	200	500		0	0	0	_	
DESIGN OFFSET	8.9	-5.5	-3.5	000.0	2.500	3.500	5.500	7 60	
				CH 47	200				1



### TENDER ISSUE ONLY

No.	Description Reviewed	Approved Date	Client Logo	Client	BANANA SHIRE COUNCIL	Drawn	Designed Approved		Scale (A1 size)	
			Banana	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	MS	MS		1:100	
			SHIRE OF OPPORTUNITY	Title	ANNOTATED CROSS SECTIONS SHEET 22 OF 64	Drawing Check	Design Check RPEQ	Date	Drawing is not to be used for construction	
1	TENDER ISSUE -	- 23/08/2024							unless approved.	1





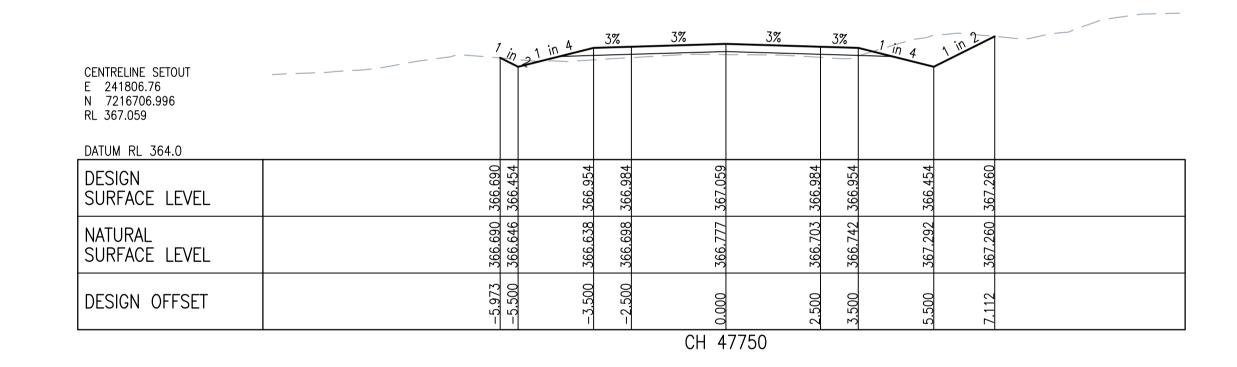
CENTRELINE SETOUT E 241766.151 N 7216902.83 RL 363.643  DATUM RL 361.0	 7	1 10 2	1 in 4	3%	3%=	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	363.550	363.038	363.538	363.568		363.568	363.538	363.038	363.715	
NATURAL SURFACE LEVEL	363.550	363.614	363.579	363.544	363.574	363.542	363.581	363.704		
DESIGN OFFSET	-6.524	-5.500	-3.500	-2.500	0.000	2.500		5.500		
					CH 4	7550				

CENTRELINE SETOUT E 241755.999 N 7216951.789 RL 362.36 DATUM RL 359.0		1 in 2	1 in 4	3%	<u>3%</u>	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	362.432	361.755	362.255	362.285	362.360	362.285		361.755	362.926	
NATURAL SURFACE LEVEL	362.432	362.264	362.016	362.133	362.191	362.095		362.431	362.926	
DESIGN OFFSET		-5.500	-3.500	-2.500	0.000	2.500		5.500		
					CH 4	7500				

CENTRELINE SETOUT E 241735.694 N 7217049.706 RL 359.642  DATUM RL 357.0		1 in	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	359.525	359.037	- 1	359.567	359.642	359.567	359.537	359 037	360.157	
NATURAL SURFACE LEVEL	359.525	359.417	359.244	359.300	359.370	359.277	359.249	359.833		
DESIGN OFFSET	-6.477	-5.500	-3.500	-2.500	0.000	2.500	3.500	5 500		
					CH 4	7400				

CENTRELINE SETOUT E 241827.065 N 7216609.079 RL 367.642  DATUM RL 364.0		1 in 4	3%	3%	3%	3%	1 in 4	1 111 2	
DESIGN SURFACE LEVEL	366.974 367.037	367.537	367.567	367.642	367.567	367.537	367.037	367.745	
NATURAL SURFACE LEVEL	366.974 366.974		366.914	367.057	366,983	366.890		7	
DESIGN OFFSET	5.751 5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		
				CH 4	7850				

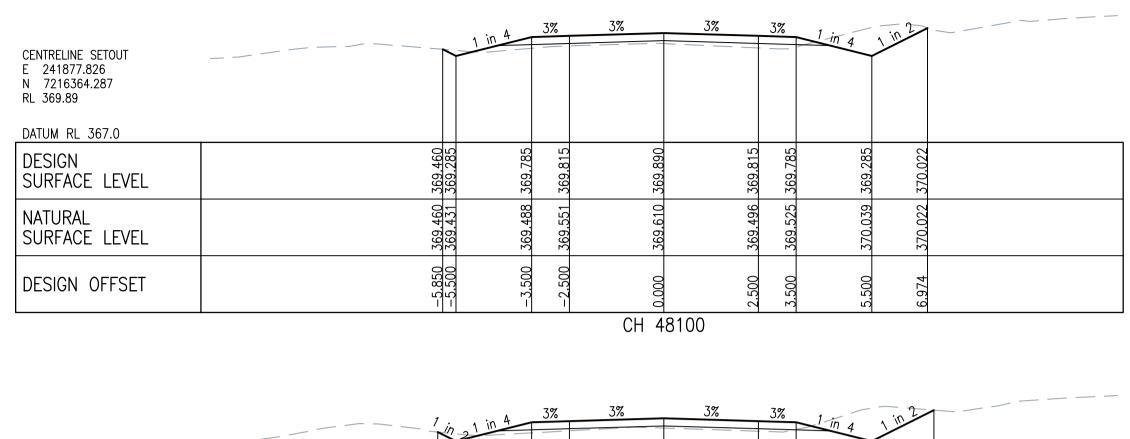
			4 in 4 —	3%	3% 3%		3%	1 in 4	1 in 2	
CENTRELINE SETOUT E 241816.912 N 7216658.038 RL 367.368		in A	1 in 4					11 4		
DATUM RL 364.0										
DESIGN SURFACE LEVEL	366.610	366.763	367.263	367.293	367.368	367.293	367.263	366.763	367.569	
NATURAL SURFACE LEVEL	366.610	366.556	366.807	366.844	366.932	366,906	366.835	367.325		
DESIGN OFFSET	-6.113	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	7.112	
					CH 47800					



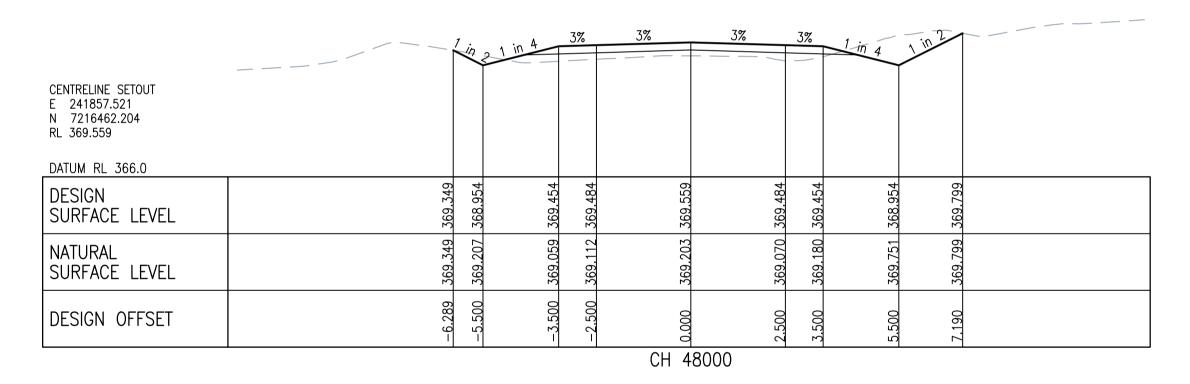
CENTRELINE SETOUT E 241796.608 N 7216755.955 RL 366.454 DATUM RL 363.0		1 in 4	3%	3%	3%	3%	1 in 4	1 m 2	
DESIGN SURFACE LEVEL	366.004 365.849	366.349	366.379	366.454	366.379	366.349	365 849	366 695	
NATURAL SURFACE LEVEL	366.004 365.988	366.059	366.103	366.133	365.967	366.184	366,505	366 695	
DESIGN OFFSET	-5.811 -5.500	-3.500	-2.500	0.000	2.500		5 500		7
				CH 4	7700				

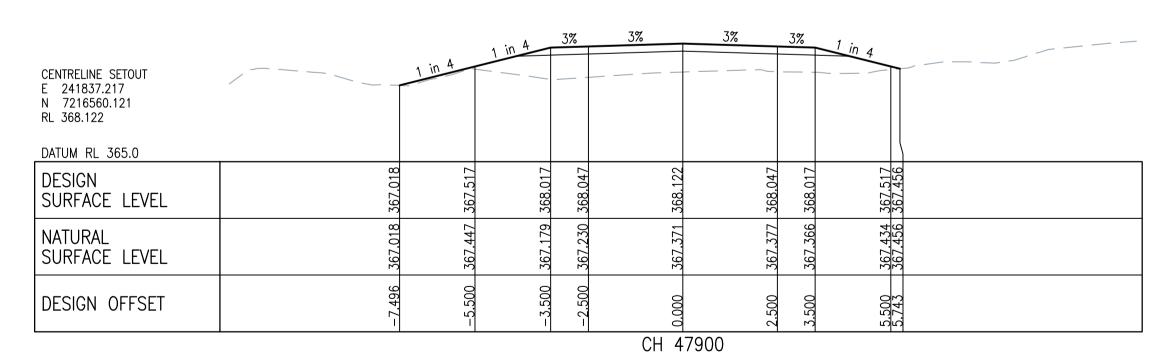
### TENDER ISSUE ONLY

No.	Description Reviewed Approved	Date Client Logo C	BANANA SHIRE COUNCIL	Drawn Designed Approved	Scale (A1 size)		51 Sheridan Street Cairns Qld 4870
ω		- Banana P	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	MS MS	1:100	ADO	T (07) 4281 6897
evision		SHIRE	ANNOTATED CROSS SECTIONS SHEET 23 OF 64	Drawing Check Design Check RPEQ Date	Drawing is not to be used for construction	ARU	W www.aroindustries.com.au
1 TENDER	R ISSUE - 23/0	08/2024			unless approved.	I	ABN: 49 641 461 298



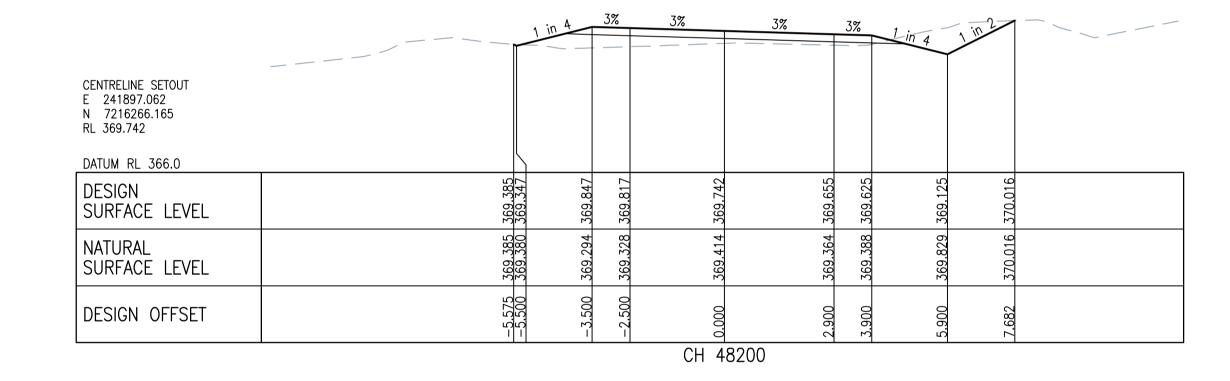
CENTRELINE SETOUT E 241867.673 N 7216413.245 RL 370.149  DATUM RL 367.0		in a 1 in	4	3%	3%	3%	3%	1 in 4	1 in 2		
DESIGN SURFACE LEVEL	369.787	369.544	370.044	370.074	370.149	370.074	370.044	369.544	370.367		
NATURAL SURFACE LEVEL	369.787	369.738	369.765	369.820	369.893	369.810	369.857	370.420	370.367		
DESIGN OFFSET	-5.985	-5.500	-3.500	-2.500	0.000	2.500		5.500	7.145	2	
					CH 4	8050			_		

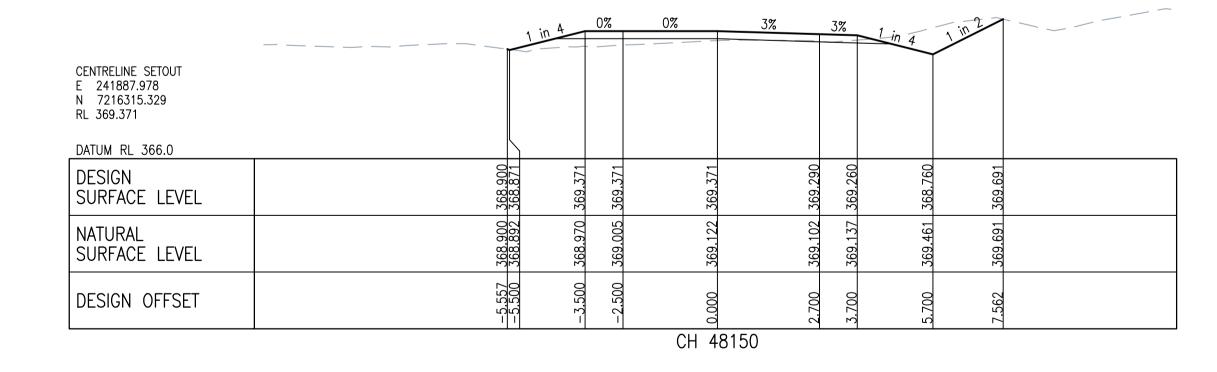




CENTRELINE SETOUT E 241911.835 N 7216066.964 RL 372.641 DATUM RL 369.0		1 in 4	1 in 4	3%	3%	3%	3%	1 in 4		
DESIGN SURFACE LEVEL	371.961	372.246	372.746	372.716	372.641	372.554	372.524		372.256	
NATURAL SURFACE LEVEL	371.961		372.055	372.009	372.255	372.176	372.090	379 179	372.256	
DESIGN OFFSET	-6.640	-5.500	-3.500	-2.500	0.000	2.900	3.900	5 900	6.364	
	•				CH 4	8400				

CENTRELINE SETOUT E 241908.782 N 7216166.886 RL 371.192 DATUM RL 368.0		1 in 4	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	370 524	370.797	371.297	371.267	371.192	371.105	371.075		371.065	
NATURAL SURFACE LEVEL	370 524	370.547	370.541	370.710	370.745	370.668	370.459	∞	371.065	
DESIGN OFFSET	-6.592		-3.500	-2.500	0.000	2.900	3.900	5.900	6.881	

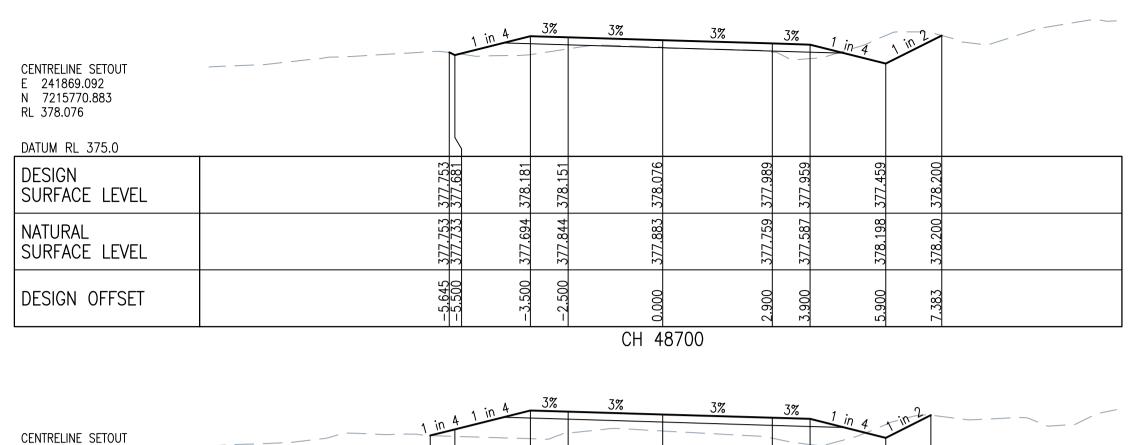




### TENDER ISSUE ONLY

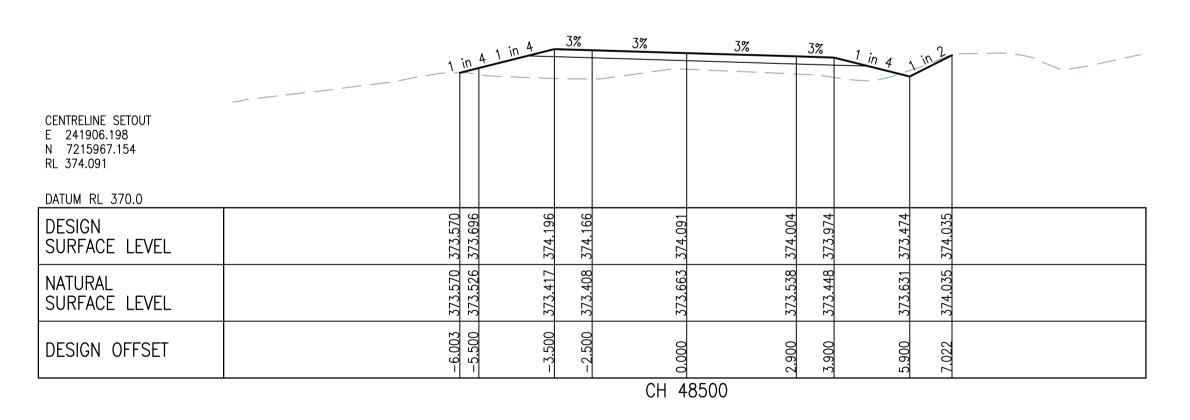
No.	Description Reviewed Approved	Client Logo  Client Banana  Proje	BANANA SHIRE COUNCIL  DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn Designed Approved  MS MS	Scale (A1 size) 1:100	· ADO	51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Revision	TENDER ISSUE 23/	SHIRE OF OPPORTUNITY  2024	ANNOTATED CROSS SECTIONS SHEET 24 OF 64	Drawing Check Design Check RPEQ Date	Drawing is not to be used for construction unless approved.	HAKU	E admin@aroindustries.com.au W www.aroindustries.com.au ABN: 49 641 461 298

Drawing No.



CENTRELINE SETOUT E 241891.915 N 7215868.211 RL 375.936  DATUM RL 373.0	1	in L	1 in 4	3%	3%	3%	3%	1 in 4	, in 2	
DESIGN SURFACE LEVEL	375 378		376.041	376.011		375.849	∞	375.319		
NATURAL SURFACE LEVEL	375 378		375.296	375.445	375.498	375.309	375.141	375,669	375 91R	
DESIGN OFFSET	15. 15.		-3.500		. ~	2.900		2 900	7 00 7	
					CH 4	-8600				

			1 in 4	3%	3%	3%	3%	1 in 4	in 2	
CENTRELINE SETOUT E 241900.132 N 7215917.527 RL 374.917							,	4		
DESIGN SURFACE LEVEL		374.522	375.022	374.992	374.917	020 122	<del>I</del> I	374.800	4	
NATURAL SURFACE LEVEL	374.407	374.407	374.252	374.376	374.543	ררז מרז	<del>,</del>	374 607	4	
DESIGN OFFSET		-5.500	-3.500	-2.500	0.000			5.900		•l
					CH 48	8550				



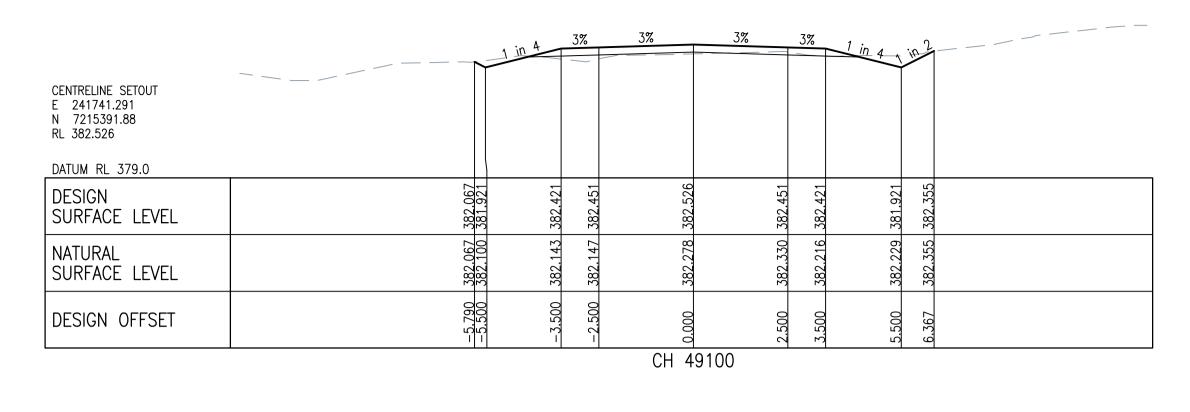
CENTRELINE SETOUT E 241806.048 N 7215581.106 RL 380.781  DATUM RL 378.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	. — — -
DESIGN SURFACE LEVEL	380.693	380.176	380.676	380.706	380.781	380.706	380.676	380.176	380.839	
NATURAL SURFACE LEVEL	380.693		380.404	380.570	380.619	380.552	380.543	381.054	380.839	
DESIGN OFFSET	-6.534	-5.500	-3.500	-2.500	0.000	2.500		5.500	6.825	
					CH 48	3900				

CENTRELINE SETOUT E 241822.237 N 7215628.413 RL 379.983		1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	1	3/9.5/8	379.908	379.983	379.908	379.878	379.378	380.081	
NATURAL SURFACE LEVEL	379.601	3/9.561 379.543	379.671	379.752	379.731	379.593	380,199	380.081	
DESIGN OFFSET		-5.500	-2.500	0.000	2.500	3.500	5.500		
				CH 4885	0				

CENTRELINE SETOUT E 241838.426 N 7215675.719 RL 379.321  DATUM RL 376.0		1 in	) in 4	2.7%	2.7%	3%	3%	1 in 4	11112	
DESIGN SURFACE LEVEL	379.164	378.727	379.227	379.254	379.321	379.246	379.216	378.716	379.439	
NATURAL SURFACE LEVEL	379.164	379.170	378.986	378.992	379.063	O.	378.983		379.439	
DESIGN OFFSET	-6.374	-5.500	-3.500	-2.500	0000	2.522	3.522	5.522	696.9	
				·	CH 4	-8800				

CENTRELINE SETOUT E 241854.531 N 7215723.054 RL 378.799 DATUM RL 376.0	1 in	4 1.1%	1.1%	3%	3% 1	in 4	in 2	
DESIGN SURFACE LEVEL	378.355 378.336	378.836	378.799	378.716	378.686	378.186	378.853	
NATURAL SURFACE LEVEL	378.355 378.350	378.472	378.580	378.501	378.323	378.978	378.853	
DESIGN OFFSET	-5.539 -5.500	-3.500	0.000	2.771	3.771	5.771	7.107	
			CH 48750					

No.	Description Reviewed	Approved Dat	Client Logo	Client	BANANA SHIRE COUNCIL	Drawn MS	Designed Approved  MS	Sc	1:100		
<u>8</u>			Banana	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499				1.100	••••	
Revision	TENDER ISSUE -	- 23/08/2	SHIRE OF OPPORTUNITY	Title	ANNOTATED CROSS SECTIONS SHEET 25 OF 64	Drawing Check	Design Check RPEQ		Drawing is not to be used for construction unless approved.		/



CENTRELINE SETOUT E 241757.481 N 7215439.186 RL 382.079  DATUM RL 379.0		1 in 4	3%	3%	3%	3%	1 in 4	Tin2	
DESIGN SURFACE LEVEL	381.602 381.474	381.974	382.004	382.079	382.004	381.974	381.474	382.398	
NATURAL SURFACE LEVEL	381.602 381.589	381.540	381.695	381.797	381.723	381.610	381.948	382.398	
DESIGN OFFSET	-5.756 -5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	7.348	
		•		CH 4	9050				

CENTRELINE SETOUT E 241773.67 N 7215486.493 RL 381.91 DATUM RL 378.0		1 in 4	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	380.945	381.305	381.805	381.835		381.835	381.805	381.305 381.502	
NATURAL SURFACE LEVEL	380.945	380.898	381.519	381.610	•		381.656	381.419 381.502	
DESIGN OFFSET	-6.941	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500 5.893	
					CH 4	9000			

CENTRELINE SETOUT E 241789.859 N 7215533.8 RL 381.532  DATUM RL 378.0		1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	380.830	381.427	381.457	381,532	381.457	381.427	380.927	381.679	1
NATURAL SURFACE LEVEL	380.830	380.806 381.244	381.352	•	381.333	381.364	381,797	1 1	1
DESIGN OFFSET	-5.889		-2.500	0.000	2.500	3.500		7.005	
				CH 4	8950				

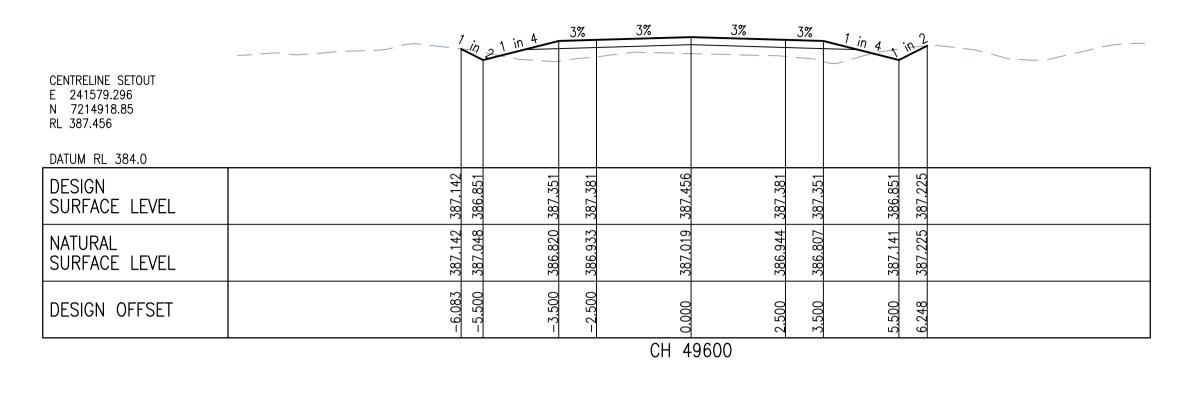
CENTRELINE SETOUT E 241660.346 N 7215155.347 RL 384.57  DATUM RL 381.0		1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	383.917 383.965	384.465	384.495	384.570	384.495	1 1	383.965	384.925	
NATURAL SURFACE LEVEL	383.917 383.898	384.023	384.175	384.316	384.191		384.625	384.925	
DESIGN OFFSET	-5.692 -5.500	-3.500	-2.500	0.000	2.500	3.500	5,500	7.421	
		·		CH 4	9350				

CENTRELINE SETOUT E 241676.535 N 7215202.653 RL 384.506 DATUM RL 381.0		1 in 4	3%	3%	3%	3%	1 in 4	1 1 2	
DESIGN SURFACE LEVEL	383.968	384.401	384.431		384.431	384.401		384.456	· I
NATURAL SURFACE LEVEL	383.968	383.925	384.160	.2	384.171	384.135	384 445		
DESIGN OFFSET	-5.633	-3.500	-2.500	000.0	2.500	3.500	5 500	6.610	
				CH 4	9300				

CENTRELINE SETOUT E 241692.724 N 7215249.96 RL 384.52  DATUM RL 381.0		1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL		383,915	44	384.520	384.445	384.415	383.915	384.722	
NATURAL SURFACE LEVEL	384.099	384.081		384.380	384.254	384.334	384.775	384.722	
DESIGN OFFSET		-5.500	-2.500	0.000	2.500	3.500	5.500	7.115	
				CH 49	250				

CENTRELINE SETOUT E 241708.913 N 7215297.267 RL 384.13  DATUM RL 381.0		1 in	2 1 in 4	3%		3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	000 282	383.525	384.025	384.055	384.130	384.055	384.025	383.525	384.300	
NATURAL SURFACE LEVEL	000 282		383.727	383.918	96	383.818	383.774	384.265		
DESIGN OFFSET	72 7	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	7.051	
	•				CH 4	9200				

N	o. Description Reviewed Approved Date	Client Logo Client	BANANA SHIRE COUNCIL	Drawn Designed Approved  MS MS	Scale (A1 size)			51 Sheridan Street Cairns Qld 4870
8		Banana	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS IVIS	1:100		<b>ADO</b>	T (07) 4281 6897
evisior		SHIRE	ANNOTATED CROSS SECTIONS SHEET 26 OF 64	Drawing Check Design Check RPEQ	Drawing is not to be used for construction		ANO	W www.aroindustries.com.au
ا م	TENDER ISSUE 23/08/202	THE OF OFFICE OF			unless approved.	•		ABN: 49 641 461 298



		1 in	a 1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
CENTRELINE SETOUT E 241611.763 N 7215013.432 RL 385.931										
DESIGN SURFACE LEVEL	385 750		•	385.856	385.931	385.856	385 826	385.326	386.083	
NATURAL SURFACE LEVEL	385 750			385.442	385.614	385.595	385 441	385.792	386.083	
DESIGN OFFSET	7 Y Y Y Y		-3.500	-2.500	0.000	2.500	3.500	5.500		
					CH 4	-9500				

CENTRELINE SETOUT E 241627.968 N 7215060.734 RL 385.299		1 in	2 1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	_
DESIGN SURFACE LEVEL	385.031	384.694	385.194	385.224	385.299	?	385.194	384,694	385.564	
NATURAL SURFACE LEVEL	385.031	384.979	384.831	384.928	385.077	385.012	385.008	385,428		
DESIGN OFFSET	-6.174		-3.500	-2.500	0.000	2.500	3.500	5.500	7 241	
					CH 4	9450				

CENTRELINE SETOUT E 241644.157 N 7215108.04 RL 384.85  DATUM RL 381.0		in	21 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	584 473	384.245	384.745	384.775	384.850	384.775	384.745	384.245	385.297	
NATURAL SURFACE LEVEL	384 473	384.434	384.463	384.606	384.700	384.576	384.667	5.	385,297	
DESIGN OFFSET		-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	7.603	
					CH 49	9400				

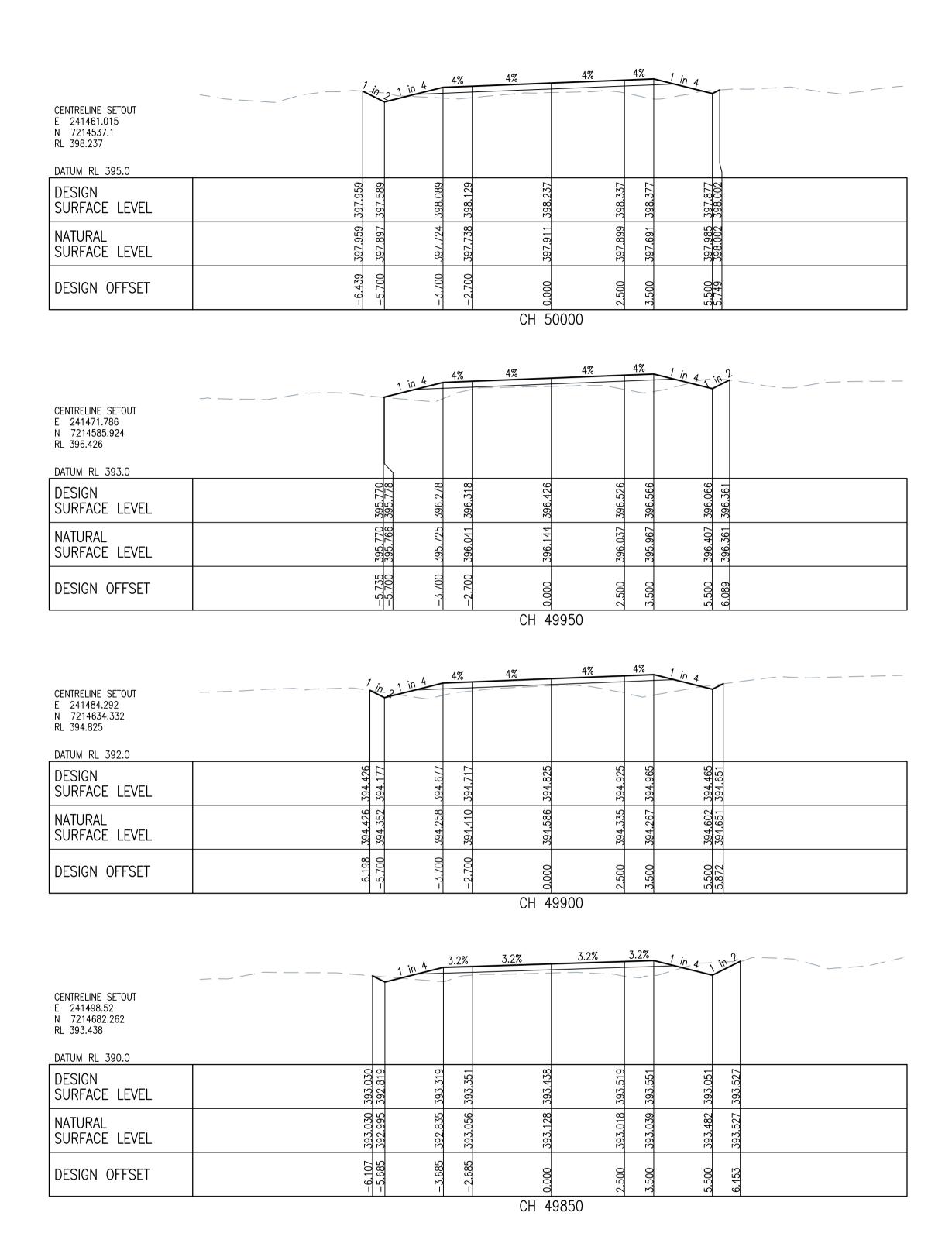
CENTRELINE SETOUT E 241514.362 N 7214729.684 RL 392.083		1 in	21 in 4 3;	%	3% 0.7%	0	.7%	1 in 4 in	2
DESIGN SURFACE LEVEL	301 812	391.476	1 1	392.006	392.083	392.066	392.060		25.18.1
NATURAL SURFACE LEVEL	301 813	391.801	391.778	391.899	391.992	391.906	391.750	•	25.182
DESIGN OFFSET	2 A 2 1		-3,560	-2.560	0.000	2.500	3.500	5.500	0.040
					CH 49800	·			

CENTRELINE SETOUT E 241530.596 N 7214776.975 RL 390.731 DATUM RL 388.0		1 in 2	1 in 4	3%	3% 3%	76	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	390.748	390.126	390.626	390.656	390.731	390.656	390.626	390.126	390.546	
NATURAL SURFACE LEVEL	390.748	390.798	390.438	390.428	390.642	390.704	390.640	390.453		
DESIGN OFFSET	-6.742	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.340	
					CH 49750					

CENTRELINE SETOUT E 241546.829 N 7214824.267 RL 389.486  DATUM RL 386.0		1 in 4	3%	3%	3%	_3%	1 in 4	m 2	
DESIGN SURFACE LEVEL	389.069 388.881	389.381	389.411	389.486	389.411	389,381	388.881	389.393	
NATURAL SURFACE LEVEL	389.069 389.069	389.330	389.251	389.487	389.473	389.410	389,397	389.393	
DESIGN OFFSET	-5.877 -5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.524	
				CH 4	9700				

		1 :	2 1 in 4	3%	3%	3%	3%	1 in 4	
CENTRELINE SETOUT E 241563.063 N 7214871.558 RL 388.394				)				4	
DATUM RL 385.0	<u> </u>								
DESIGN SURFACE LEVEL		∞ i	388.289	388.319	388.394	388.319	388,289	87,8	
NATURAL SURFACE LEVEL			388.091 387.762	387.774	388.012	388.020	387.964	1 . 1 .	307.303
DESIGN OFFSET		-6.236	-5.500	-2.500	0000	2.500			0000
					CH 4	-9650			

No.	Description	Reviewed Approved Date	Client Logo	Client	BANANA SHIRE COUNCIL	Drawn	Designed	Approved	Scale (A1 size)			51 Sheridan Street
ω			Banana	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS	IMIS		1:100	••••	ADO	T (07) 4281 6897
1 TENDER ISSUE		23/08/202	SHIRE OF OPPORTUNITY	Title	ANNOTATED CROSS SECTIONS SHEET 27 OF 64	Drawing Che	ck Design Chec	RPEQ	Date  Drawing is not to be used for construction unless approved.		ARU	E admin@aroindustries.com.au W www.aroindustries.com.au ABN: 49 641 461 298



CENTRELINE SETOUT E 241433.852 N 7214339.058 RL 407.624  DATUM RL 404.0		1 in 2	1 in 4	4%	4% 4%	4%	1 in 4		
DESIGN SURFACE LEVEL	407.548	406.968	407.468	407.508	407.624		40/./64	407.264	407.627
NATURAL SURFACE LEVEL	407.548	407.377	407.118	407.036	407.378	-	407.300	407.604	407.627
DESIGN OFFSET	-7.061	-5.900	-3.900	-2.900	0.000		0,000	5.500	6.226
					CH 50200				

CENTRELINE SETOUT E 241438.901 N 7214388.798 RL 404.678 DATUM RL 401.0		1 in 4	4%	4%	4% 	4%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	3.91	404.023	404.565	404.678	7.4	404.818	71		
NATURAL SURFACE LEVEL		403.874	.*	404.367					
DESIGN OFFSET	-6.263	-3.875	-2.825	000.0	2.500				
				CH 5	0150		_		

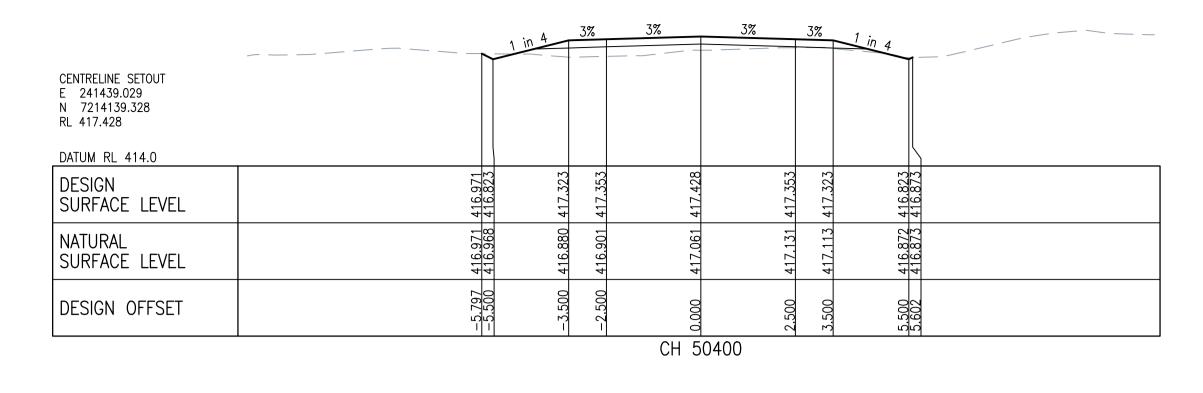
CENTRELINE SETOUT E 241444.737 N 7214438.456 RL 402.103		1 in 2	1 in 4	4%	4%	4%	4%	1 in 4	
DESIGN SURFACE LEVEL		402.041	401.955	401.995	402.103	402.203	402.243	401.743 401.799	
NATURAL SURFACE LEVEL		402.041	401.562		401.953	401.952	401.990	401.777	
DESIGN OFFSET	07	-5.700	-3.700	-2.700	0.000	2.500	3.500	5.500	
		_			CH 50	100	•		

CENTRELINE SETOUT E 241451.995 N 7214487.923 RL 400.077  DATUM RL 397.0		1 in 2	1 in 4	4%	4%	4%	4%	1 in 4	in 2	_ — — -	
DESIGN SURFACE LEVEL	399.979	399.429	399.929	399.969	400.077	400.177	400.217	399,717	400.249		
NATURAL SURFACE LEVEL	399.979	399.844	399.679	399.763	399.867	399.853	399.691	C	400.249		
DESIGN OFFSET	-6.801	-5.700	-3.700	-2.700	0.000	2.500	•	5.500	6.566		
					CH 50	050				_	

### TENDER ISSUE ONLY

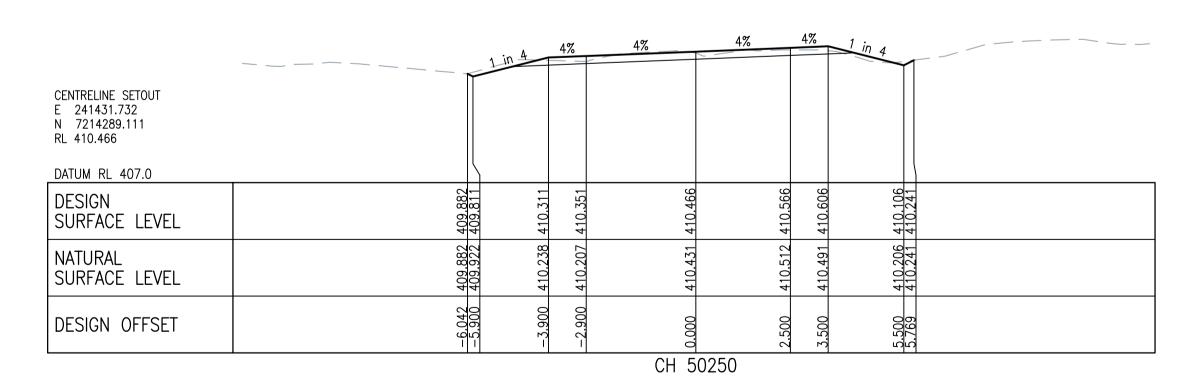
No. Description	Reviewed Approved Date Client Logo Client	BANANA SHIRE COUNCIL	Drawn Designed Approve	ved Scale (A1 size)		51 Sheridan Street
σ	<b>Banana</b> Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS IVIS	1:100	A DO	T (07) 4281 6897
1 TENDER ISSUE	SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 28 OF 64	Drawing Check Design Check RPEQ	Date  Drawing is not to be used for construction unless approved.	ARU	W www.aroindustries.com.au  ABN: 49 641 461 298

Drawing No.



CENTRELINE SETOUT E 241435.853 N 7214189.227 RL 415.414 DATUM RL 412.0		1 in 4	3%	3%	2.6%	2.6%	1 in 4		
DESIGN SURFACE LEVEL	414.883 414.808	415.308	415.338	415,414	415.349	415.322	∞ .	$\Omega$	
NATURAL SURFACE LEVEL	4 14.883 4 14.883		414.875	415.031	415.148	<u> </u>	415.095	415.025	
DESIGN OFFSET	- 5.666 - 5.516	-3.516	-2.516	0.000	2.500		5.500	208.5	
				CH 5	0350				

CENTRELINE SETOUT E 241432.736 N 7214239.13 RL 413.037  DATUM RL 410.0		1 10	2 1 in 4	3%	3%	1.3%	1.3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	17 877		•	412.955	413.037	413.069		412.582	413.124	
NATURAL SURFACE LEVEL	41.2 87.2		412.780	412.781	413.066	413.124	412.995	413.221	413.124	
DESIGN OFFSET	, , , , , , , , , , , , , , , , , , ,	-6.002		-2.738	0.000	2.500		5.500	6.584	
					CH 5	0300				



CENTRELINE SETOUT E 241451.733 N 7213939.732 RL 421.028		1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	420.386 470.473	420.923	420.953	421.028	420.953	420.923	420.423		
NATURAL SURFACE LEVEL	420.386 420.386	420.323	420.411	420.521	420.511	420.412	420.982	421.129	
DESIGN OFFSET	-5.646 -5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		
		_		CH 500	600		_		

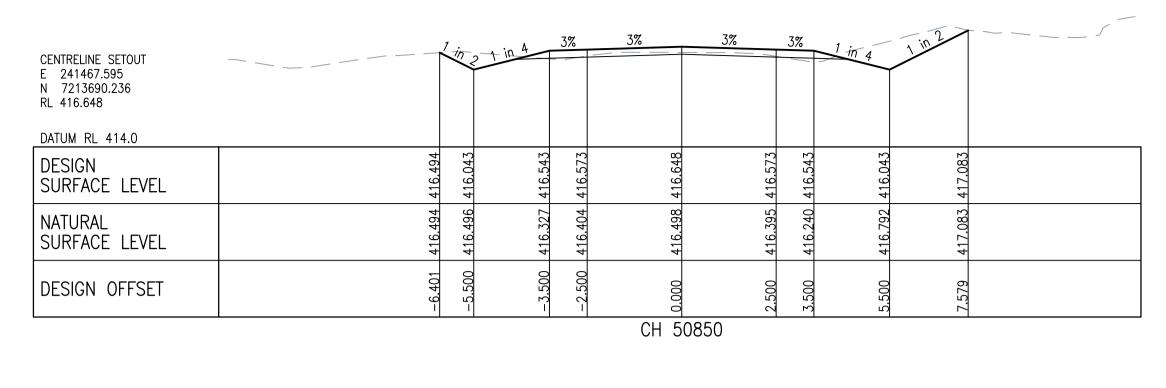
CENTRELINE SETOUT E 241448.557 N 7213989.631 RL 420.796  DATUM RL 417.0	1 1/1	21 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	420.442		420.721	420.796	420.721	420.691	420.191	420.981	•
NATURAL SURFACE LEVEL	420.442	5.5	420.479	420.619	09	420.601	420.818	420.981	
DESIGN OFFSET	-6.004	-3.500	-2.500	0000	2.500		5.500	7.079	
				CH 5	0550				

CENTRELINE SETOUT E 241445.381 N 7214039.53 RL 420.119  DATUM RL 417.0		1 in	21 in 4	3%	3%	3%	3%	1 in 4	1-in-2	
DESIGN SURFACE LEVEL	419.871	419,514	420.014	420.044	420.119	420.044	420.014	419.514	420.063	
NATURAL SURFACE LEVEL	419.871	419,841	419.699	419.624	419.869	419.886	419.759	419.902	420.063	
DESIGN OFFSET	-6.215	-5.500	-3.500	-2.500	0000			5.500	6.598	
					CH 5	0500				

CENTRELINE SETOUT E 241442.205 N 7214089.429 RL 418.996  DATUM RL 416.0		1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	418.576	418.391		418.996	418.921	418.891	418.391	418.707	
NATURAL SURFACE LEVEL	418.576	418.537	418.401	418.649	418.658	418.585	418.547	418.707	
DESIGN OFFSET	-5.871	-5.500	-2.500	0.000	2.500		5.500	6.132	
				CH 5	0450				

# TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo  Bana	Client  Project	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	Scale (A1 size) 1:100		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Y TENDER ISSUE		23/08/2024 SHIRE OF OPPOR	Title TUNITY	ANNOTATED CROSS SECTIONS SHEET 29 OF 64	Drawing Chec	k Design Check	RPEQ Dat	Drawing is not to be used for construction unless approved.	ARU	E admin@aroindustries.com.au W www.aroindustries.com.au ABN: 49 641 461 298



CENTRELINE SETOUT E 241464.438 N 7213740.136 RL 417.9  DATUM RL 415.0		1 in 2	1 in 4 3%	6	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	417.895	417.295	.79	417.825	417.900	417.825	417.795	417.295	418.617	
NATURAL SURFACE LEVEL	417.895	417.888	417.662	417.741	417.803	417.699	~	418.217	418.617	
DESIGN OFFSET	-6.700	-5.500	•	-2.500	0.000	2.500		5.500	8.144	
	•	•	•		CH 5	0800				

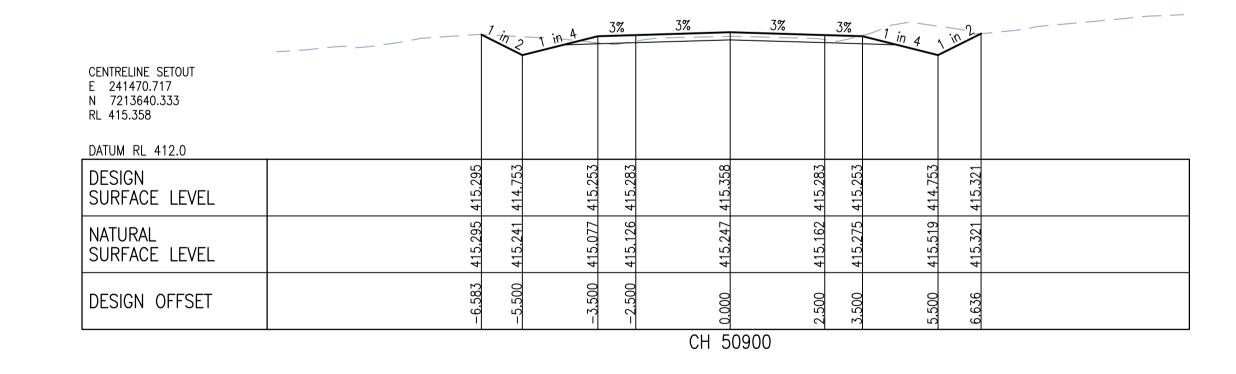
CENTRELINE SETOUT E 241458.086 N 7213839.934 RL 420.155		1 in	2 1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	419,904		420.050	420.080	420.155	420.080	420.050	419 550	+	
NATURAL SURFACE LEVEL	419.904	419.815	419.537	419.620	419.744	419.702		420 187		
DESIGN OFFSET	-6.208		-3.500	-2.500	0.000	2.500		5.500	7, 195	
					CH 5	0700				

CENTRELINE SETOUT E 241454.91 N 7213889.833 RL 420.814  DATUM RL 417.0		1 in 4 3%	% 	3% 3%	3	%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	420.232 420.209	420.709	420.739	420.814	420.739	420.709	420.209	420 927	
NATURAL SURFACE LEVEL	420.232 420.237	420.273	420.316	420.398	420.356	420.272	420.782	420 927	
DESIGN OFFSET	-5.545 -5.500	-3.500	-2.500		2.500	3.500	5.500	6 0 35	
				CH 50650					

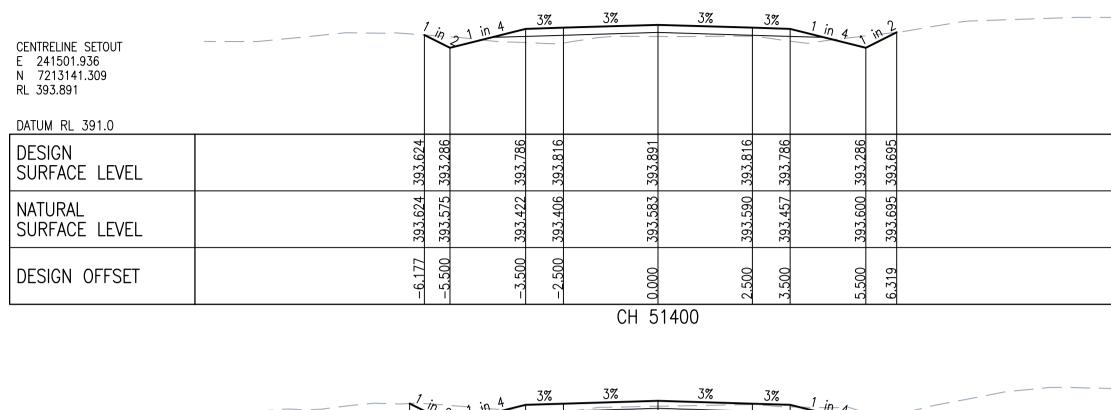
CENTRELINE SETOUT E 241483.205 N 7213440.723 RL 407.277  DATUM RL 404.0		1 in 4	3%	3%	3%	3%	1 in 4	:n 2	
DESIGN SURFACE LEVEL	406.670	406.672	407.202	407.277	407.202	_ •	406.672	407.049	
NATURAL SURFACE LEVEL	406.670		406.934	407.003	406.969	406.680	406.955	407.049	
DESIGN OFFSET	- 5.508		-2.500	0.000	2.500	3.500	5.500	6.255	
		•		CH 5	1100			·	

CENTRELINE SETOUT E 241476.961 N 7213540.528 RL 412.131  DATUM RL 409.0		1 in 2	1 in 4	3%	<u>3%</u> =	3%	3%	1 in 4	1 in 2		_ ~
DESIGN SURFACE LEVEL	412.236	411.526	412.026	412.056	412.131	412.056	412.026	411.526	417 438		
NATURAL SURFACE LEVEL	412.236	412.032	411.855	411.828	412.009	412.033	411.836	412,203	410 438	:	
DESIGN OFFSET	0209	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	7 395		
					CH 5	1000		_		_	

CENTRELINE SETOUT E 241473.839 N 7213590.431 RL 413.999  DATUM RL 411.0	 1 in 2	1 in 4	3%	3% 3%	3%	1 in 4	1 in 2	_ — — —
DESIGN SURFACE LEVEL	414.024	413.894	413.924	413.999	413.894	413.394		
NATURAL SURFACE LEVEL	413.879	413.664	413.773	413.837	413.622	414.135	414.311	
DESIGN OFFSET	-5.500	-3.500	-2.500	0.000	3.500	5.500	7.335	
				CH 50950				

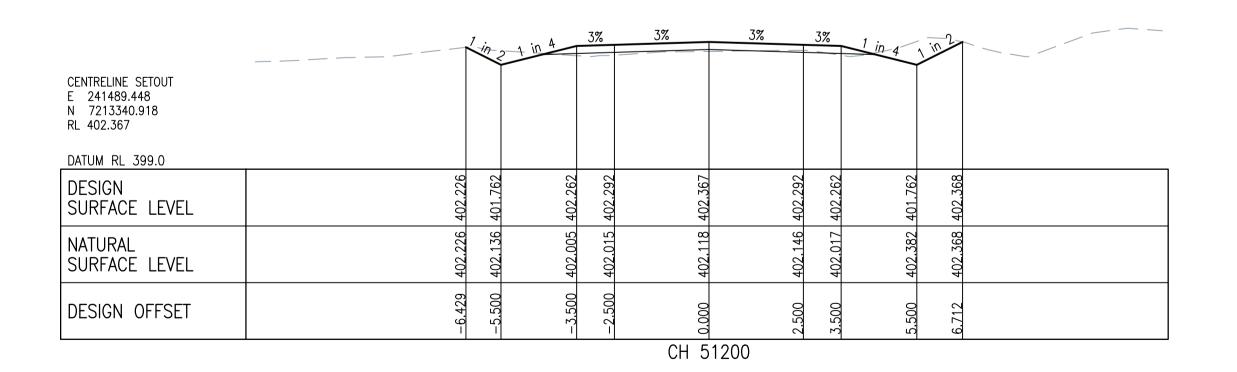


No.	Description Reviewed Approved	Client Logo  Banana	BANANA SHIRE COUNCIL  Project DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	Scale (A1 size) 1:100		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
1 TENDER IS	SSUE 23	08/2024  SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 30 OF 64	Drawing Chec	k Design Check	K RPEQ Da	Drawing is not to be used for construction unless approved.	ARU	W www.aroindustries.com.au ABN: 49 641 461 298



CENTRELINE SETOUT E 241495.692 N 7213241.114 RL 398.011  DATUM RL 395.0		1 in 2	1 in 4 39	76	3% 3%	3%	1 in 4		<b>-</b>
DESIGN SURFACE LEVEL	397.939		397.906	397.936	398.011	307.705	397.406	397.613	
NATURAL SURFACE LEVEL	397.939		397.732	397.708	397.867	707.705	397.693	397.613	
DESIGN OFFSET	-6.567	-5.500	-3.500	-2.500	0.000	2 500	5.500	5.915	
			•		CH 51300				

CENTRELINE SETOUT E 241492.57 N 7213291.016 RL 400.099  DATUM RL 397.0		in	2 1 in 4	3%	3% 3%		3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	399.838	399.494	399.994	400.024	400.099	400.024	399.994	399.494	400.147	
NATURAL SURFACE LEVEL	399.838	400.085	399.952	399.881	399.984	399.977	399.812	399.861	400.147	
DESIGN OFFSET	-6.189	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.807	
					CH 51250					



CENTRELINE SETOUT E 241520.529 N 7212841.885 RL 383.931 DATUM RL 381.0		1 10	2 1 in 4	3%	3%	3% 	3%	1 in 4	 _ — — — —
DESIGN SURFACE LEVEL	7.71. 7.07	383,326	383.826	383.856	383.931	383.856	383.826	383.326 383.351	
NATURAL SURFACE LEVEL	7.77. 7.07.	383 822	383.442	383.454	383.767	383,755	383.580	383.346 383.351	
DESIGN OFFSET		-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500 5.551	
					CH 5	1700			

CENTRELINE SETOUT E 241514.387 N 7212941.697 RL 386.524 DATUM RL 383.0		in	21 in 4	3%	3%	3%	3%	1 in 4	- — — — .	
DESIGN SURFACE LEVEL	776 302	385.919	386.419	386.449	386.524	386.449	386.419	385.919 385.851		
NATURAL SURFACE LEVEL	770 902	386.225	385.960	385.929	386.205	386.162		385.789 385.851		
DESIGN OFFSET	ה ה ה	-5.500	-3.500	-2.500	0.000	2.500		5.500 5.771		
					CH 5	1600				

CENTRELINE SETOUT E 241511.302 N 7212991.601 RL 387.949 DATUM RL 385.0	 1 in	3%	3%	3%	3%	1 in 4	jn 2	
DESIGN SURFACE LEVEL	387.349 387.344	387.844	387.949	387.874	387.844	387.344	387.711	
NATURAL SURFACE LEVEL	387.349 387.348	387.463	387.646	387.638	387.500	387.660		
DESIGN OFFSET	-5.510 -5.500	-3.500	0.000	2.500	3.500	5.500		
			CH 51	550				

CENTRELINE SETOUT E 241508.18 N 7213041.504 RL 389.773		1 in	21 in 4	3%	3%	3%	3%	1 in 4	1 111 2	
DESIGN SURFACE LEVEL	000	389 168	. 9	389.698	389.773	389.698		-	_	
NATURAL SURFACE LEVEL	000	389 481	389.278	389.208	389.379	389.372		64	_ ∞	
DESIGN OFFSET	0.00	-5.500	1 _1	-2.500	0.000	2.500		1	•	•
					CH 5	1500				

### TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	Scale (A1 size) 1:100	ADO	51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
1 TENDER ISSUE		23/08/2024	SHIRE	ANNOTATED CROSS SECTIONS SHEET 31 OF 64	Drawing Ched	k Design Check	RPEQ	Date  Drawing is not to be used for construction unless approved.	HARU	E admin@aroindustries.com.au W www.aroindustries.com.au ABN: 49 641 461 298

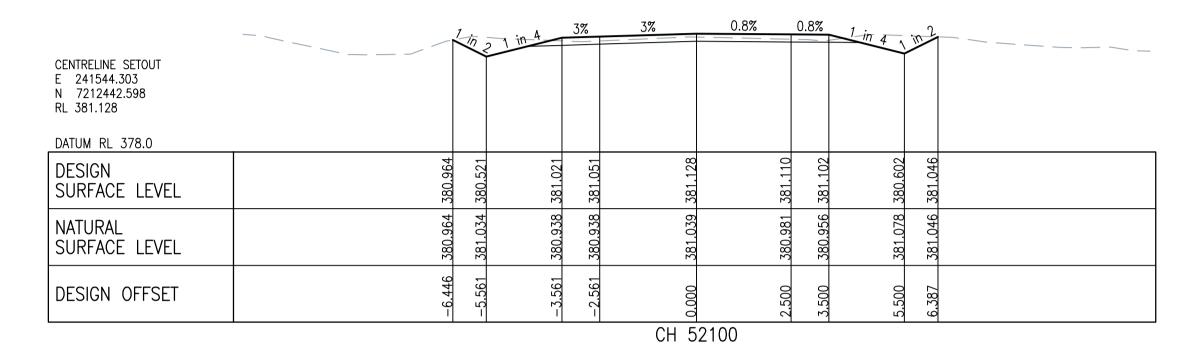
CENTRELINE SETOUT E 241532.811 N 7212642.263 RL 378.256 DATUM RL 375.0	1 1/19	2 1 in 4	3%	3%	3%	3%	1_in_4 \	in 2	
DESIGN SURFACE LEVEL	378.134	378.151	378.181	378.256	378.181	378.151	377.651	ഹ	
NATURAL SURFACE LEVEL	378.134	378.137	378.108	378.140	378.003		378.070	378.129	
DESIGN OFFSET	-6.466	-3.500	-2.500	0000	2.500	3.500	5.500	6.456	
	•			CH 5	1900			•	

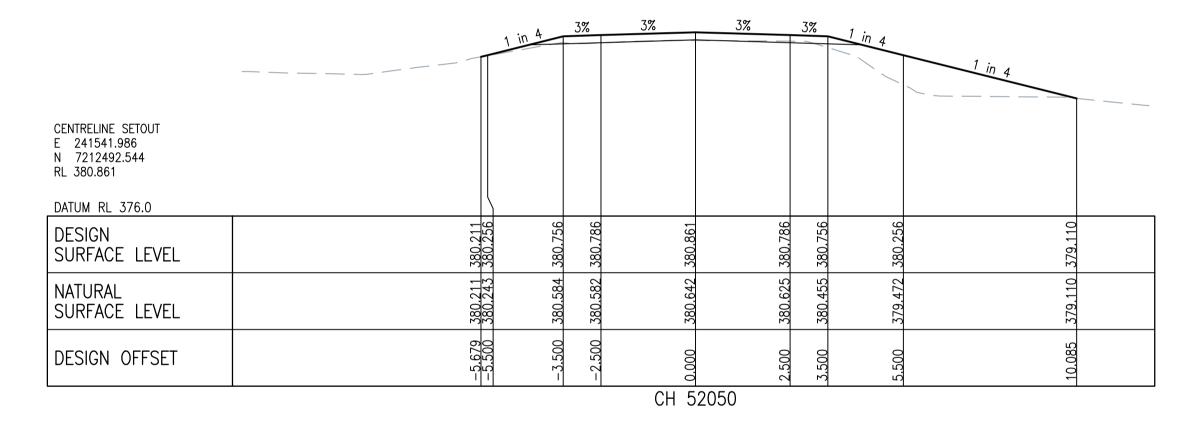
CENTRELINE SETOUT E 241529.741 N 7212692.169 RL 378.454  DATUM RL 375.0		1 in	2 1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	378.207	377.849	378.349	378.379	378.454	378.379		377.849	378.807	
NATURAL SURFACE LEVEL	378.207	378.194	378.173	378.193	378.270	378.219	.26	378.696	378.807	
DESIGN OFFSET	-6.215	-5.500	-3.500	-2.500	000.0	2.500		5.500	7.415	
					CH 5	1850				

CENTRELINE SETOUT E 241526.67 N 7212742.074 RL 379.846 DATUM RL 376.0		1 in	2 1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	379.690	9	379.741	379.771	379.846	379.771	379.741	379.241	380.509	
NATURAL SURFACE LEVEL	379.690	6	379.501	379.596	379.696	379.603	6	380.134	380.509	
DESIGN OFFSET	-6.398	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	8.037	
					CH 5	1800				

CENTRELINE SETOUT E 241523.599 N 7212791.98 RL 382.101 DATUM RL 379.0		1 in 2	7 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	382.258	381.496	381.996	382.026	382.101	382.026	381.996	381.496		
NATURAL SURFACE LEVEL	382.258	382.094	381.813	381.924	381.989	381.913	381.778	382,404	382.637	
DESIGN OFFSET	-7.024	-5.500	-3.500	-2.500	0.000	2.500		5.500	7.782	
					CH 5	1750				_

		1 in 2	7 in 4	3%	3%	3%	3%	1 in 4	 _
CENTRELINE SETOUT E 241547.022 N 7212392.675 RL 381.469									
DATUM RL 378.0									
DESIGN SURFACE LEVEL	381.528	380.858	381.358	381.388	381.469	381.544	381.574	381.074 381.296	
NATURAL SURFACE LEVEL	381.528	381.391	381.081	381.203	381,255	381.214	381.175	381.373 381.296	
DESIGN OFFSET	-7.039	-5.700	-3.700	-2.700	0.000	2.500	3.500	5.500 5.943	
					CH 5	2150			



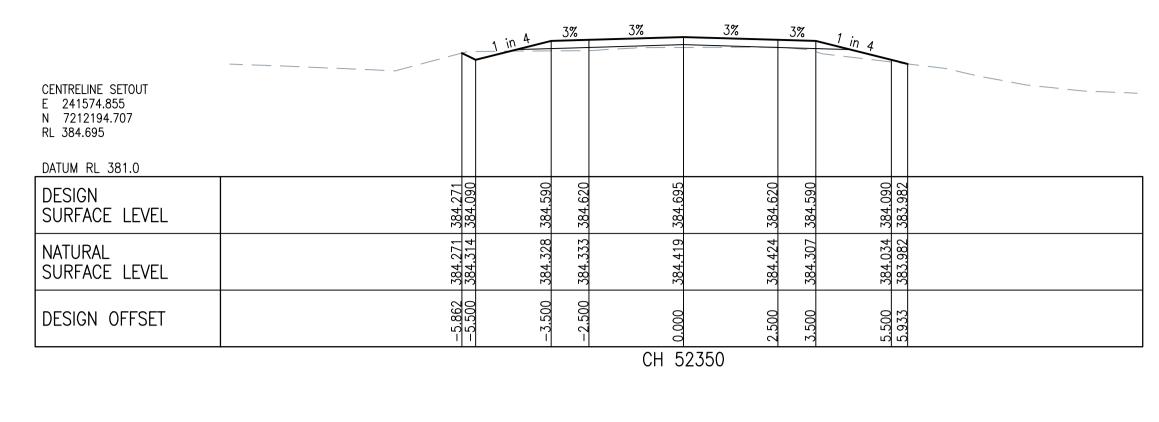


CENTRELINE SETOUT E 241538.953 N 7212542.452 RL 380.246 DATUM RL 377.0		1 in 2	1 in 4 3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	381.052	379.641	380.141	380.246	380.171	380.141	379.641	380.355	
NATURAL SURFACE LEVEL	381.052	380.469		380.150	380.070	380.158	380.432	380.355	
DESIGN OFFSET	-8.323	-5.500	-3.500	-2.500	2.500		5.500	6.928	
			•	CH 5	2000	<u> </u>		•	

### TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn	Designed	Approved	Scale (A1 size)		51 Sheridan Street Cairns Qld 4870
$\omega$		Bai	nana Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	MS	MS		1:100	A D C	T (07) 4281 6897
Sevision		SHIRE OF	SHIRE	ANNOTATED CROSS SECTIONS SHEET 32 OF 64	Drawing Che	ck Design Check	RPEQ	Date  Drawing is not to be used for construction	MAC	W www.aroindustries.com.au  ABN: 49 641 461 298
1 TENDER ISSUE		- 23/08/2024						unless approved.		ABIN. 49 041 401 290

Drawing No.



CENTRELINE SETOUT E 241566.718 N 7212244.04 RL 383.968  DATUM RL 381.0		1 in	1 in 4	3%	3%	3%	3%	1 in 4	1-11-2	
DESIGN SURFACE LEVEL	383.876	383.363	383.863	383.893	383.968	383.893		585 585		
NATURAL SURFACE LEVEL	383.876	384.093	383.772	383.734	383.861	383.830	3.7	383 798	]	
DESIGN OFFSET	-6.526	-5.500	-3.500	-2.500	0.000	2.500	3.500	5 500	6.663	•
					CH 5	2300				

CENTRELINE SETOUT E 241558.6 N 7212293.377 RL 383.122  DATUM RL 380.0		1 in 2	1 in 4 3%	3%	0.8%	0.7%	1 in 4	in 2	
DESIGN SURFACE LEVEL	383.087	382.513	383.013	383.122	383.141	383.148	382.648		
NATURAL SURFACE LEVEL	383.087	382.958	382.582	383.003	383.023	382.954	383.133	383.126	
DESIGN OFFSET	-6.764	-5.617	-3.617		2.500	3.500	5.500	6.456	
		·	•	CH 52	250				

CENTRELINE SETOUT E 241551.776 N 7212342.905 RL 382.159 DATUM RL 379.0		in a t in 4	3%	3%	3% 3	% 1 in 4		·	
DESIGN SURFACE LEVEL	381.860	381.548	382.078	382.159	382.234		381.764 381.968		
NATURAL SURFACE LEVEL	381.860			381.896	381.922	381.849	381.968		
DESIGN OFFSET	-6.324	2 2	-2.700	0.000	2.500	3.500	5.907		
				CH 5220	0				

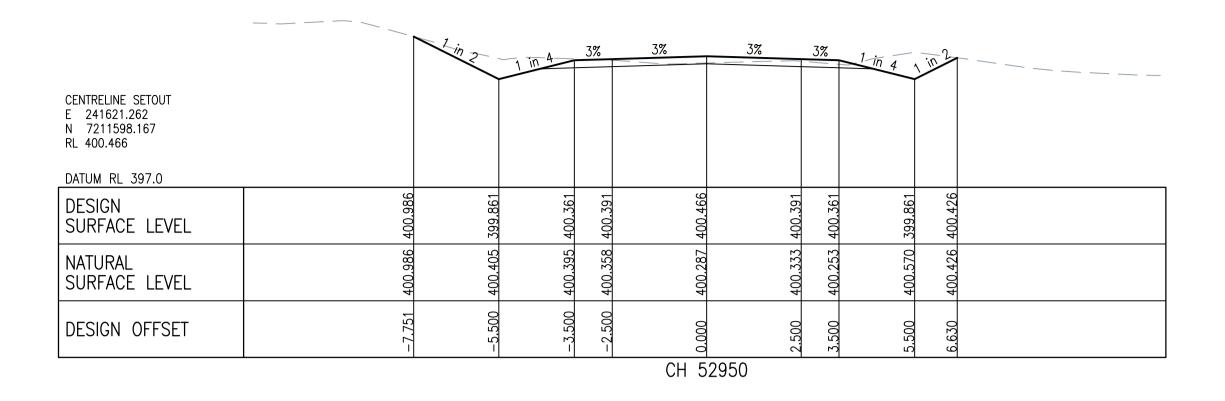
CENTRELINE SETOUT E 241614.358 N 7211947.869 RL 392.667 DATUM RL 390.0		Tin 2	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	393.247	392.272	392.772	74	392.667	392.586		392.056	392.673	
NATURAL SURFACE LEVEL	393.247	393.036	392.489		392.529	392.439		392.915	392.673	
DESIGN OFFSET	-7.451	-5.500	-3.500	-2.500	0.000	2.700	3.700	5.700	6.936	
					CH 5260	0		•	•	

CENTRELINE SETOUT E 241599.479 N 7212046.742 RL 390.165 DATUM RL 387.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	390.097	389.560	390.060	390.090	390.165	390.090	390.060	389.560	390.156	
NATURAL SURFACE LEVEL	290.097	389.986	389.822	389.996	390.008	389.873	389.883	390.162	390.156	
DESIGN OFFSET	-6.574	-5.500	-3.500	-2.500	0.000	2.503	3.503	5.503		
		•			CH 5250	0				

CENTRELINE SETOUT E 241591.269 N 7212096.063 RL 388.332  DATUM RL 385.0		1 in 2	1 in 4 3%	3%	3%	3%	1 in 4	1 11 2	
DESIGN SURFACE LEVEL	388.320	387.727	388.227	388.332	388.257	388.227		388.342	
NATURAL SURFACE LEVEL	388.320		387.962	388.162	<del>-</del>	387.983	∞;	388.342	
DESIGN OFFSET	- - - - - - - - - - - - - - - - - - -		-3.500	0000		3.500	5.500		
				CH 5	2450				

CENTRELINE SETOUT E 241583.059 N 7212145.384 RL 386.203  DATUM RL 383.0		1 in	1 in 4 3%	3%	3%	3%	1 in 4	<u>in 2</u>	
DESIGN SURFACE LEVEL	385.995	385.598	386.098	386.203	386.128	386.098	385.598	386.017	
NATURAL SURFACE LEVEL	385.995	385.962	385.632	386.085	386.101	385.971	386.005	386.017	
DESIGN OFFSET	-6.294	-5.500	-3.500	0000	2.500	3.500	5.500	6.339	
·				CH 5	2400				

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn MS	Designed MS	Approved	Scale (A1 size) 1:100	•		51 Sheridan Street Cairns Qld 4870
svisions		Dance of the contract of the c	SHIRE Title	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499  ANNOTATED CROSS SECTIONS SHEET 33 OF 64	Drawing Che	ck Design Check	RPEQ D	Date Drawing is not to be used for construction		ARO	T (07) 4281 6897 E admin@aroindustries.com.au W www.aroindustries.com.au
1 TENDI	ER ISSUE	- 23/08/2024	OKIONIII					unless approved.	•		ABN: 49 641 461 298

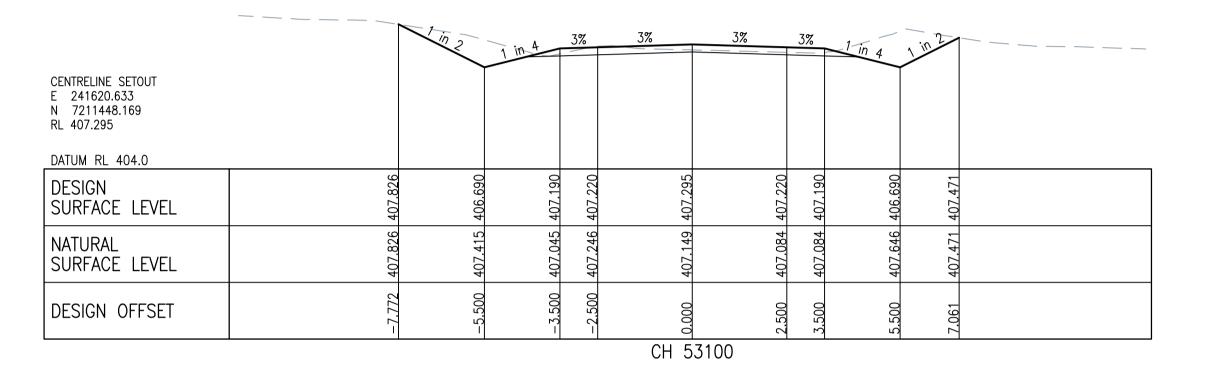


CENTRELINE SETOUT E 241621.472 N 7211648.167 RL 398.41  DATUM RL 395.0		1 in 2	1 in 4	3%	3% 	3%	3%	1-in 4	1:11 2	
DESIGN SURFACE LEVEL	399.335	397.805		398.335	398.410	398.335	398.305	397.805	398.481	
NATURAL SURFACE LEVEL	399.335	398.744	398.162	398.204	398.212	398.139	398.130	398.472		
DESIGN OFFSET	-8.560	-5.500	-3.500	-2.500	000.0	2.500	3.500	5.500	6.853	
					CH 5	2900				

CENTRELINE SETOUT E 241621.892 N 7211748.166 RL 397.296  DATUM RL 394.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	397.829	396.691	397.191	397.221	397.296	397.221	397.191	396.691	397.472	
NATURAL SURFACE LEVEL	397.829	397.207	397.009	397.048	397.096	397.010	397.069	397,468		
DESIGN OFFSET	777.7-	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		
					CH 52	2800				

CENTRELINE SETOUT E 241621.583 N 7211848.16 RL 394.981  DATUM RL 392.0		1 in 4	3%	3% 3%		3%	1 in 4 m2	_
DESIGN SURFACE LEVEL	394.700	395.086	395.056	394.981	394.900	394.870	394.370	
NATURAL SURFACE LEVEL	394.700	394,586	394.745	394.756	394.618	394.569	394.735	
DESIGN OFFSET	- 5.728	-3.500	-2.500	0.000	2.700	3.700	5.700	
				CH 52700				

CENTRELINE SETOUT E 241620.423 N 7211398.169 RL 408.658  DATUM RL 405.0	1 in 4 3% 3% 3% 1 in 4
DESIGN SURFACE LEVEL	409.270 408.553 408.553 408.553 408.053 408.053
NATURAL SURFACE LEVEL	408.751 408.512 408.515 408.515 408.517 408.517
DESIGN OFFSET	-7.934 -5.500 -2.500 3.500 5.500 5.712
	CH 53150



CENTRELINE SETOUT E 241620.842 N 7211498.168 RL 404.759  DATUM RL 402.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	404.747	404.154	404.654	404.684	404.759	404.684		404.154	9	
NATURAL SURFACE LEVEL	404.747	404.519	404.370	404.484	404.460	404.417	404.401	404.784		
DESIGN OFFSET	989.9	-5.500	-3.500	-2.500	0.000	2.500		5.500	6.563	
					CH 5	3050				

CENTRELINE SETOUT E 241621.052 N 7211548.168 RL 402.542  DATUM RL 399.0		In 4	3%	3%	3%	3%	1 in 4	7 in 2	
DESIGN SURFACE LEVEL	402.818	401.937	402.437	402.542	402.467		401.937		
NATURAL SURFACE LEVEL	402.818	402.439	402.224	402.361	402.344		402.616	402.665	
DESIGN OFFSET	-7.262	-5.500	-3.500 -2.500	0.000	2.500		5.500	6.956	
				CH 5	3000				

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn MS	Designed MS	Approved	Scale (A1 size)	•	51 Sheridan Street Cairns Qld 4870
Δ			Banana Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIO	IVIO		1:100	······· A DC	T (07) 4281 6897
evision			SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 34 OF 64	Drawing Chec	k Design Check	RPEQ	Date  Drawing is not to be used for construction	ARC	W www.aroindustries.com.au  ABN: 49 641 461 298
1 TENDER ISSUE		23/08/2024						unless approved.		ABN. 49 041 401 290

CENTRELINE SETOUT E 241621.127 N 7211148.17 RL 405.454  DATUM RL 402.0		1 1/10 2	1 in 4	3%		3%	3%	1 in 4	
DESIGN SURFACE LEVEL	405.525	404.849	405.349	405.379	405,454	405.379	405.349	404.849 405.004	
NATURAL SURFACE LEVEL	405.525	405.542	405.198	405.217	405.325	405.304	405.170	405.031 405.004	
DESIGN OFFSET	-6.851	-5.500	-3.500	-2.500	0.000	2.500		5.500 5.809	
					CH 5	3400			

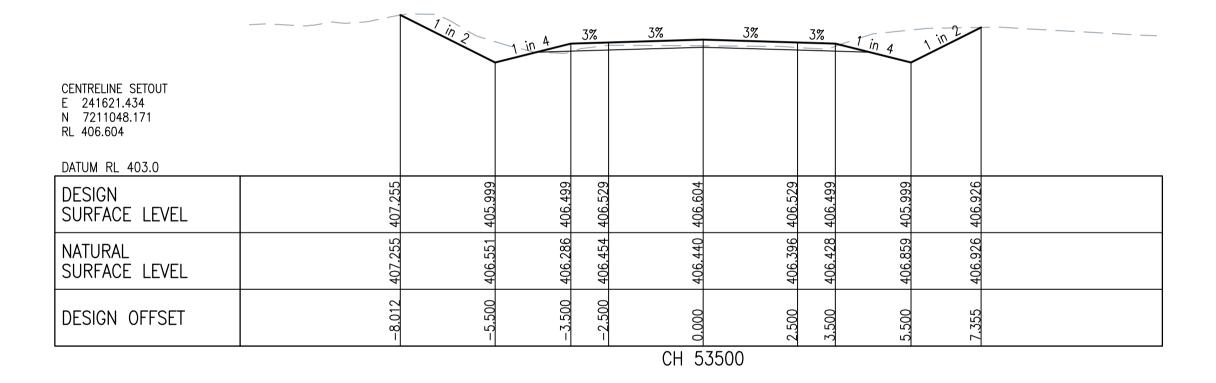
CENTRELINE SETOUT E 241620.973 N 7211198.17 RL 406.883		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	:n 2	
DESIGN SURFACE LEVEL	407.200	406.278	406.778	406.808	406.883	406.808	406.778	406.278	406.600	
NATURAL SURFACE LEVEL	407.200	406.832		406.640	406.774	406.734	406.614	406.615	406.600	
DESIGN OFFSET	-7.344	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.145	
					CH 5	3350				

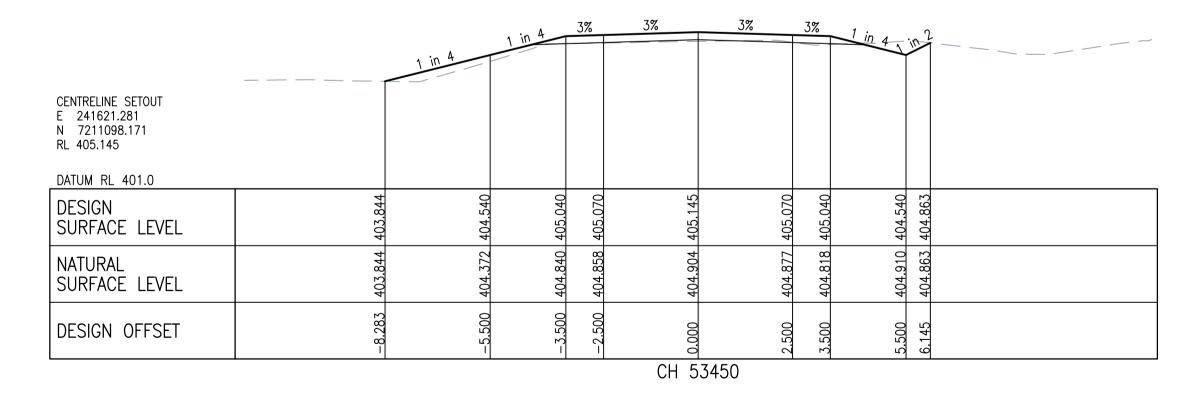
		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
CENTRELINE SETOUT E 241620.819 N 7211248.17 RL 407.665										
DESIGN SURFACE LEVEL	407.825	407.060	407.560	407.590	407.665	407.590			407.357	
NATURAL SURFACE LEVEL	407.825	407.429	407.515	407.414	407.446	407.430				
DESIGN OFFSET	-7.031	-5.500	-3.500	-2.500	0.000	2.500		5.500	6.094	
					CH 5	3300		•		

CENTRELINE SETOUT E 241620.512 N 7211348.169 RL 408.549 DATUM RL 405.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	408.821	407.944	408.444	408.474	408.549	700 47	408,474	407.944	407.928
NATURAL SURFACE LEVEL	408.821	408.493	408.150	408.200	408.219	400 170	15	0	407.928
DESIGN OFFSET	-7.254	-5.500	-3.500	-2.500	0.000	с С			5.564
					CH 5	3200			

CENTRELINE SETOUT E 241621.346 N 7210948.173 RL 408.212 DATUM RL 405.0		Tin 2	1 in 4	2.2%	2.2%	3%	3%	1 in 4	, m 2	 
DESIGN SURFACE LEVEL	408.622	407.791	408.291	408.268	408.212	408.132	408.102	407.602	408.137	
NATURAL SURFACE LEVEL	408.622	408.504	408.120	407.990	408.018	408.036	407.958	408.172	408.137	
DESIGN OFFSET	-7.164	-5.500	-3.500	-2.500	0.000	2.670	3.670	5.670	6.740	
					CH 536	600			· ·	

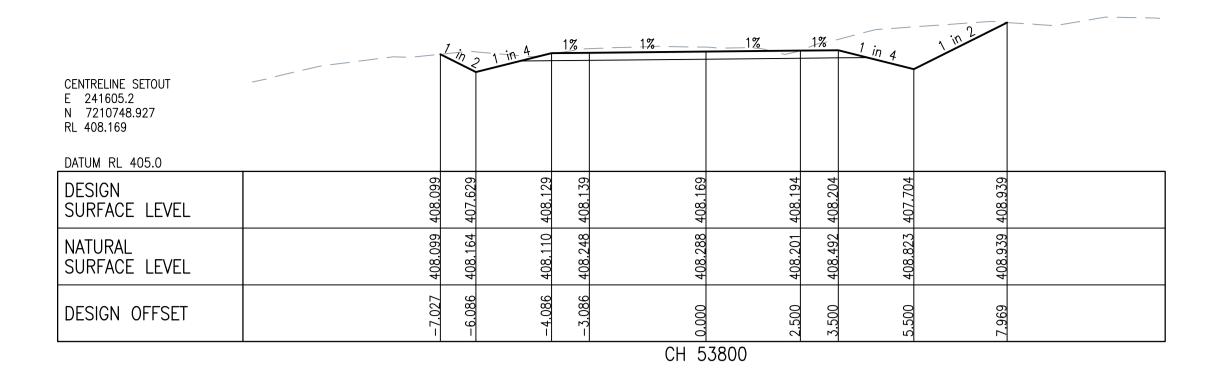
CENTRELINE SETOUT E 241621.588 N 7210998.171 RL 407.698 DATUM RL 405.0		Tin 2	1 in 4	1.5%	1.5%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	408.170	407.146	407.646	407.661	407.698	407.622	407.592	407.092	407.696	
NATURAL SURFACE LEVEL	408.170	408.019	407.483	407.401	407.470	407.451	407.380	407.685		
DESIGN OFFSET	-7.549	-5.500	-3.500	-2.500	0.000	2.550	3.550	5.550	6.758	
					CH 535	550				





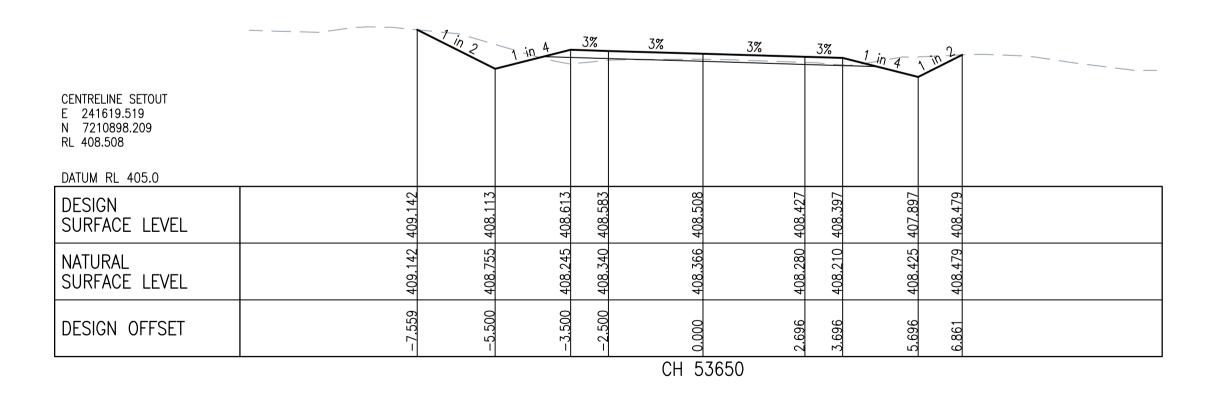
### TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn	Designed	Approved	Scale (A1 size)			51 Sheridan Street
			Project		MS	MS		1:100			Cairns Qld 4870
ဋ		Bana	ing E	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499						<b>VDU</b>	T (07) 4281 6897
isio			SHIRE Title	ANNIOTATED ODOGO OFOTIONIC CLIFET OF OF CA	Drawing Chec	k Design Check	RPEQ	Drawing is not to be		ANU	W www.aroindustries.com.au
1 TENDER ISSU	IE	23/08/2024	ORTUNITY	ANNOTATED CROSS SECTIONS SHEET 35 OF 64				used for construction unless approved.	•		ABN: 49 641 461 298
1 TENDENTISSE		-   -   20/00/2024	Drawing No.								Revision



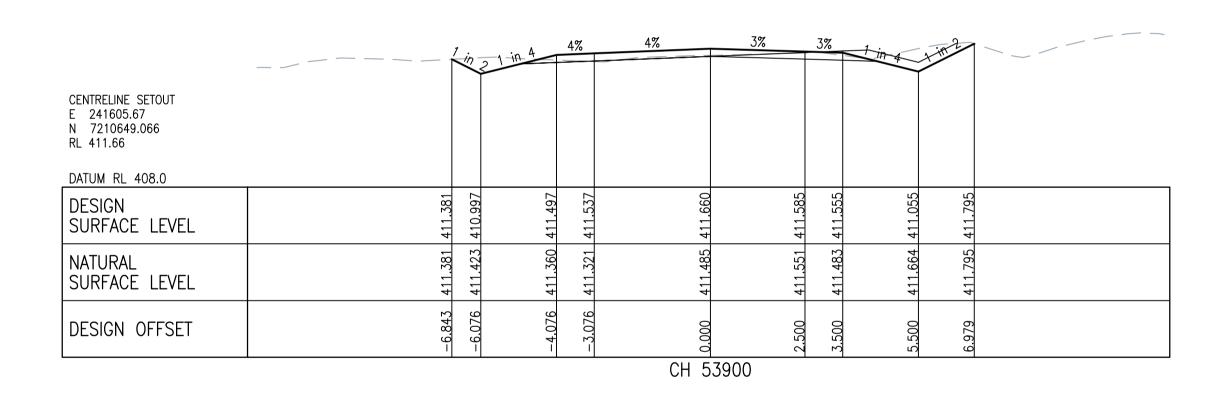
CENTRELINE SETOUT E 241610.876 N 7210798.602 RL 406.678 DATUM RL 402.0		1 in .	o T in A	2.2%	2.2%	2,2%	_ 2.2%	1 in 4	in 2	
DESIGN SURFACE LEVEL	406.706	406.255	406.755	406.733	406.678	406.622	406.601	406.101	406.349	
NATURAL SURFACE LEVEL	406.706	406.737	406.728	406.719	406.735	406.714	406.706	406.674	406.349	
DESIGN OFFSET	-6.467	-5.566	-3.566	-2.566	0.000	2.604	3.604	5.604	6.100	
					CH 53	3750				

CENTRELINE SETOUT E 241616.028 N 7210848.333 RL 407.804 DATUM RL 405.0		1 in 2	1 in 4	3%	3%	3%	3%	Tin 4	1 in 2	
DESIGN SURFACE LEVEL	408.893	407.409	9;	407.879	407.804	407.723	407.693	407.193	408.912	
NATURAL SURFACE LEVEL	408.893	408.410	69	407.601	407.682	407.655	407.742	408.379	408.912	
DESIGN OFFSET	-8.468	-5.500	-3.500	-2.500	0.000	2.698	3.698	5,698	9.137	
					CH 5	3700				



CENTRELINE SETOUT E 241620.704 N 7210449.887 RL 415.468  DATUM RL 412.0		1 in	1 in 4	1.8%	1.8%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	415.394		415.406	415.424	415.468		415.363	414.863	415.323	
NATURAL SURFACE LEVEL	415.394	415.277	415.106	415.162		415.007	415.145	اک ا	415.323	
DESIGN OFFSET	-6.475	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.421	4
			_		CH 5	4100				

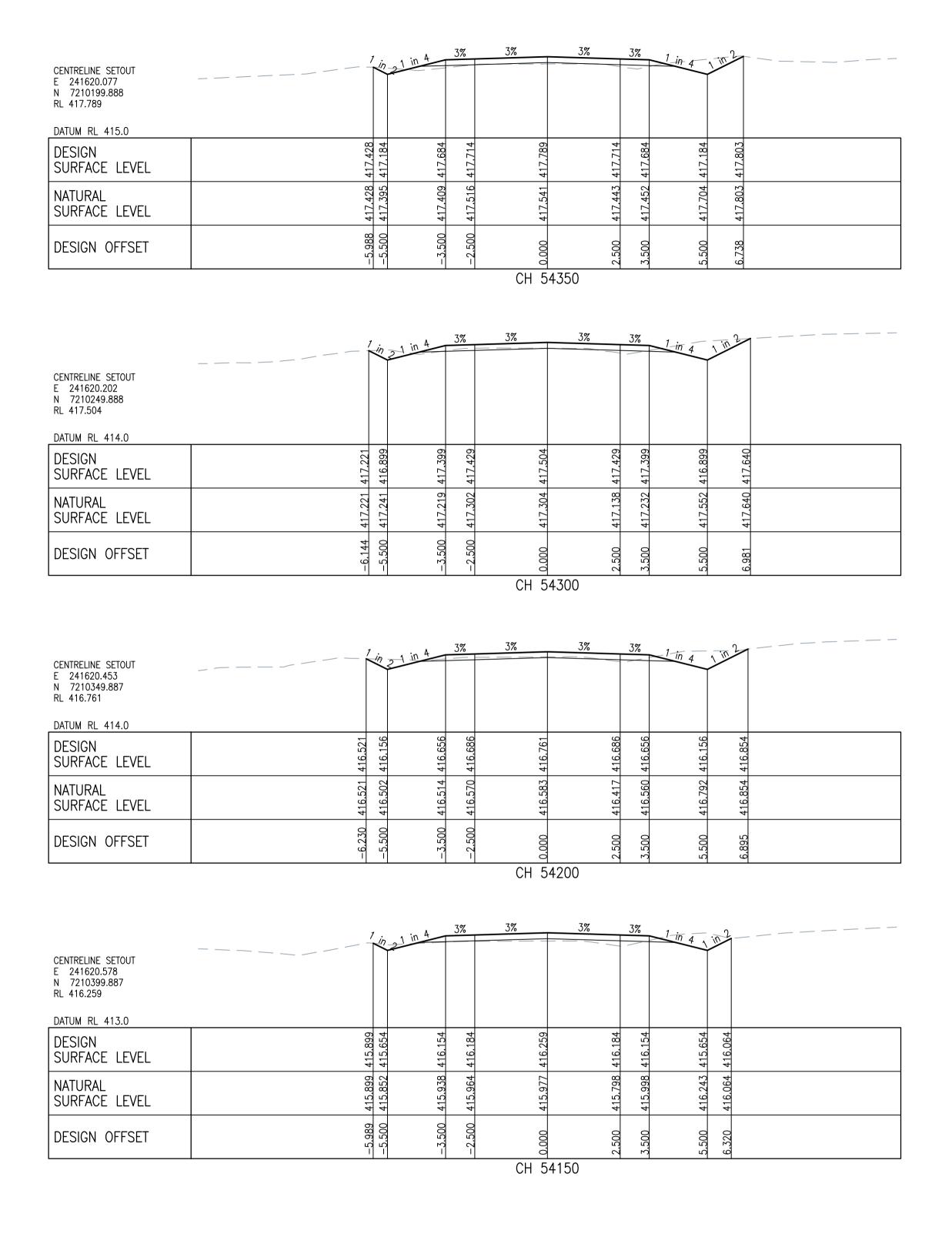
CENTRELINE SETOUT E 241617.639 N 7210549.791 RL 413.564  DATUM RL 410.0		1 in	21 in 4	4%	4%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	137 261		413.704	413.664	413.564	413.489	413.459	412.959	413.723	
NATURAL SURFACE LEVEL	12 161		413.236	413.401	413.411	413.285	413.172	.61	413.723	
DESIGN OFFSET	α 		-3.500	-2.500	0.000	2.500	2.500	5.500	7.028	
					CH 5	4000				



CENTRELINE SETOUT E 241603.164 N 7210698.986 RL 410.382  DATUM RL 407.0		J in S	1 in 4 4%	4%	<u>4%</u>	4%	1 in 4	in 2	
DESIGN SURFACE LEVEL	410.251	409.710	410.210	i	410.482		410.022	410.380	
NATURAL SURFACE LEVEL	410.251	410.277	410.153	0.26	410.224	410.120	410.344	410.380	
DESIGN OFFSET	-7.381	-6.300	-4.300	0.000	2.500	3.500	5.500	6.216	
				CH 5	3850				

### TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo  Ban	Client	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	Scale (A1 si.	00		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
1 TENDER IS	ISSUE	23/08/2024 SHIRE OF OF	SHIRE	ANNOTATED CROSS SECTIONS SHEET 36 OF 64	Drawing Che	ck Design Check	K RPEQ	Date Drawing in used for control unless a	s not to be onstruction pproved.	ARU	E admin@aroindustries.com.au W www.aroindustries.com.au  ABN: 49 641 461 298



	 1/2	1 in 4	3%	3%	3%	3%	1 in 4	1 10 2		 	
CENTRELINE SETOUT E 241619.792 N 7209849.888 RL 410.601											
DATUM RL 407.0											
DESIGN SURFACE LEVEL	410.561	410 496	410.526	410.601		410.526		409.996			
NATURAL SURFACE LEVEL	410.624	410 157	+ + + -	410.358		410.288		410.352			
DESIGN OFFSET	-6.630	-3 500		000.0		2.500		5.500			
			707		54700	7.04					
CENTRELINE SETOUT E 241619.869 N 7209949.888 RL 412.907		1 in 4	3%	3%	3%	3%	1 in 4			 . — —	
DATUM RL 410.0		`									
DESIGN SURFACE LEVEL	412.328	412 802	412.832	412.907		412.832		412.302			
NATURAL SURFACE LEVEL	412.328		<del> </del>	412,447		412.444		412.169			
DESIGN OFFSET			+ +	0000		2.500		5.500			
<u> </u>					4600	<b> </b>					
	1	<b>A</b>	3%	3%	3%	3%	1 .		2		
CENTRELINE SETOUT E 241619.947 N 7210049.888 RL 415.213	 1 1/1/2	1 in 4	3%	3%	3%	3%	1 in	4	2	 	
E 241619.947 N 7210049.888 RL 415.213	 1 1/1/2	1 in 4	3%	3%	3%	3%	1 in	4 110	2	 	
E 241619.947 N 7210049.888				3%			1 in 415:104	414.604	415.208		
E 241619.947 N 7210049.888 RL 415.213 DATUM RL 412.0 DESIGN		415.104	415.134	_ ~		4.782 415.134			415.208		
E 241619.947 N 7210049.888 RL 415.213 DATUM RL 412.0 DESIGN SURFACE LEVEL NATURAL	415.085		414.771 415.134	415.213		414.782 415.134	4.6/6 415.104	414.604			
E 241619.947 N 7210049.888 RL 415.213  DATUM RL 412.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL	415.085 415.085	414.839 415.104	414.771 415.134	0.000 414.893 415.213		414.782 415.134	414.6/6 415.104	415.114 414.604	415.208 415.208		
E 241619.947 N 7210049.888 RL 415.213  DATUM RL 412.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL	415.085 415.085	414.839 415.104	414.771 415.134	0.000 414.893 415.213		414.782 415.134	414.6/6 415.104	415.114 414.604	415.208 415.208		
E 241619.947 N 7210049.888 RL 415.213  DATUM RL 412.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL	-6.623     415.085     415.085       -5.659     415.093     414.604	-3.659 414.839 415.104	414.771 415.134	0.000 414.893 415.213		414.782 415.134	3.659 414.676 415.104	5.659 415.114 414.604	415.208 415.208		
E 241619.947 N 7210049.888 RL 415.213  DATUM RL 412.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL	-6.623     415.085     415.085       -5.659     415.093     414.604	414.839 415.104	414.771 415.134	CH CH 893 415.213	54500	2.659 414.782 415.134	414.6/6 415.104	5.659 415.114 414.604	415.208 415.208		
E 241619.947 N 7210049.888 RL 415.213  DATUM RL 412.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL  DESIGN OFFSET  CENTRELINE SETOUT E 241620.024 N 7210149.888	-6.623     415.085     415.085       -5.659     415.093     414.604	-3.659 414.839 415.104	414.771 415.134	CH CH 893 415.213	54500	2.659 414.782 415.134	3.659 414.676 415.104	5.659 415.114 414.604	415.208 415.208		
E 241619.947 N 7210049.888 RL 415.213  DATUM RL 412.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL  DESIGN OFFSET  CENTRELINE SETOUT E 241620.024 N 7210149.888 RL 417.416	-6.623     415.085     415.085       -5.659     415.093     414.604	-3.659 414.839 415.104	341 -2.659 414.771 415.134	CH CH 893 415.213	3%	2.659 414.782 415.134	1 in 4	5.659 415.114 414.604	415.208 415.208		
E 241619.947 N 7210049.888 RL 415.213  DATUM RL 412.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL  DESIGN OFFSET  CENTRELINE SETOUT E 241620.024 N 7210149.888 RL 417.416  DATUM RL 414.0  DESIGN  DESIGN	417.101 416.811	311	208 417.341	CH C	3%	341	1 in 4	416.811     5.659     415.114     414.604	.384 6.868 415.208 415.208		
E 241619.947 N 7210049.888 RL 415.213  DATUM RL 412.0  DESIGN SURFACE LEVEL  NATURAL SURFACE LEVEL  DESIGN OFFSET  CENTRELINE SETOUT E 241620.024 N 7210149.888 RL 417.416  DATUM RL 414.0  DESIGN SURFACE LEVEL  NATURAL  NATURAL	417.101 416.811	078 417 311 -3.659 414.839 415.104	417.208 417.341 % -2.659 414.771 415.134	CH C	3%	2.659 414.782 415.134   %	1 in 4	417.289 416.811	417.384 6.868 415.208 415.208		

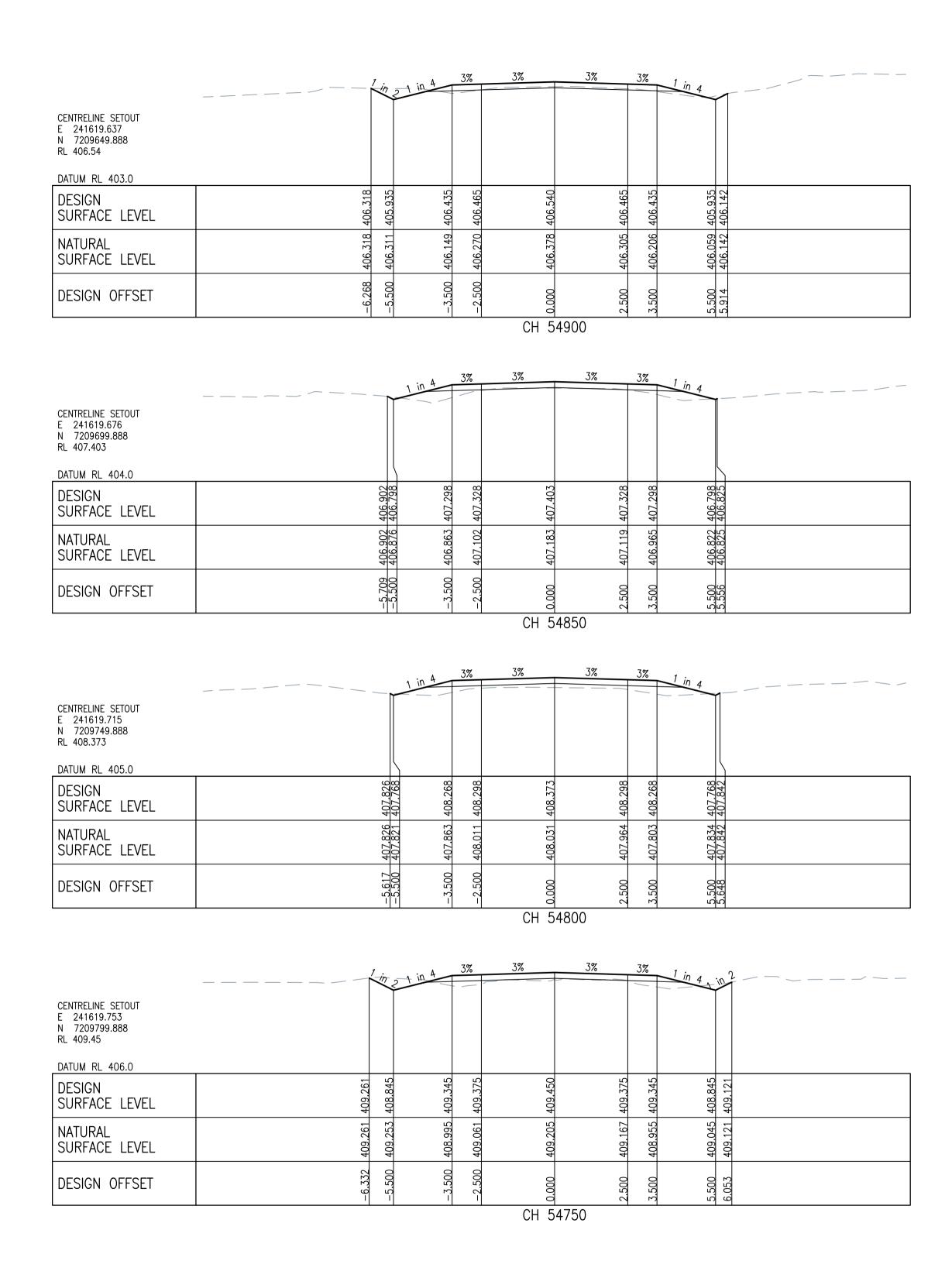
CH 54400

#### 0 1 2 3 4 5m SCALE 1:100 (A1)

### TENDER ISSUE ONLY

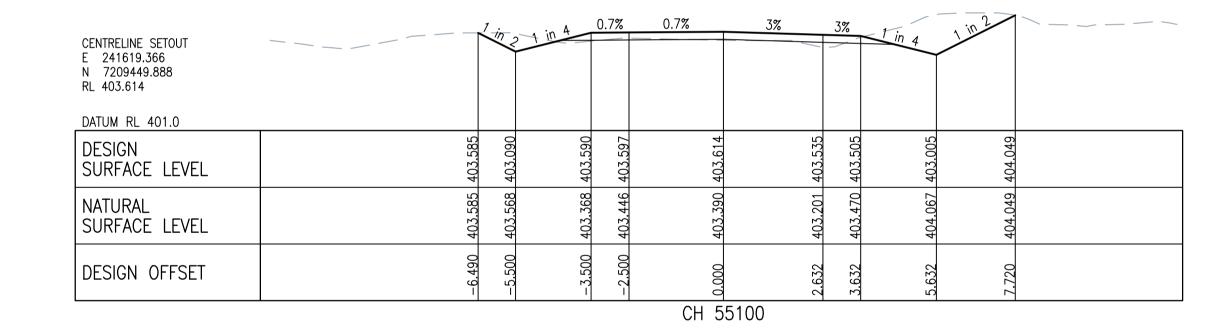
No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn MS	Designed	Approved	Scale (A1 size)	•	51 Sheridan Street Cairns Qld 4870
ω		Bana	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS	MS		1:100	······································	T (07) 4281 6897
Se visit of the second of the	JE	23/08/2024	HIRE Title	ANNOTATED CROSS SECTIONS SHEET 37 OF 64	Drawing Che	Design Check	RPEQ	Date  Drawing is not to be used for construction unless approved.	AAC	W www.aroindustries.com.au  ABN: 49 641 461 298

Drawing No.



		1 in 4	1 in 4	4%	4% 4%		4%	1 in 4	 	
CENTRELINE SETOUT E 241615.005 N 7209350.035 RL 402.863										
DESIGN SURFACE LEVEL	402.060	402.503	403.003	402.963	402.863	402.747	402.707	402.207		
NATURAL SURFACE LEVEL	402.060	402.085	402.358	402.594	402.605	402.598	402.595	402.439		
DESIGN OFFSET	-7.269	-5.500	-3.500	-2.500	0.000	2.900	3.900	5.900		
			,	•	CH 55200	<u>'</u>	•	· ·		

CENTRELINE SETOUT E 241618.585 N 7209399.899 RL 403.099		1 in	2 1 in 4	3.2%	3.2%	3.2%	3.2%	Fin 4	1 in 2	
DESIGN SURFACE LEVEL	403 120		403.212	403.179	403.099	403.007	402.974	402,474	403.750	
NATURAL SURFACE LEVEL	40.3 120	-	402.917	402.829		402.842	402.855	403.347		
DESIGN OFFSET	-6.317		-3.500		0.000	2.854	3.854	5.854	8.406	
					CH 5	5150				



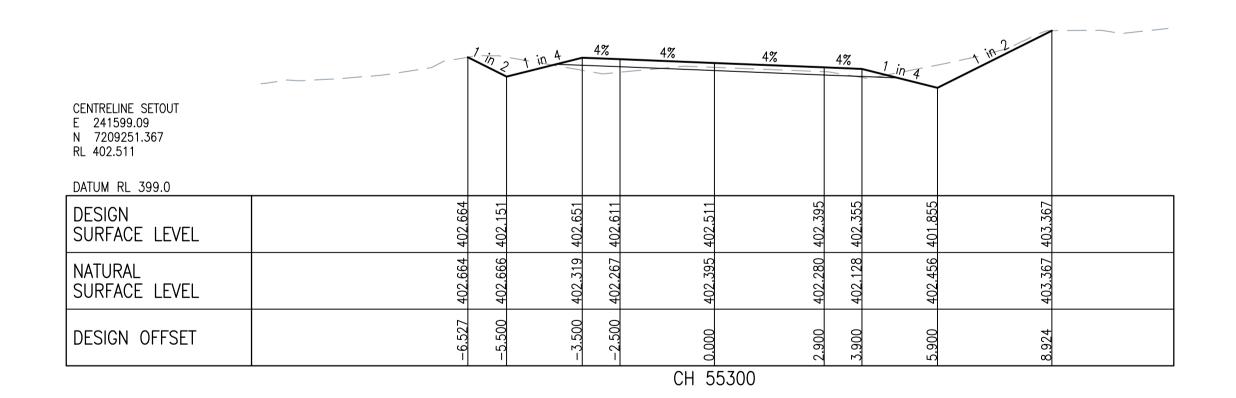
CENTRELINE SETOUT E 241619.515 N 7209549.888 RL 405.056  DATUM RL 402.0		1 in 2	1 in 4	3%	3% 3%		3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	404 995	1 .1	404.951	404.981	405.056	404.981	404.951	404.451	405.439	
NATURAL SURFACE LEVEL	404 995	4 4	404.980	405.047	405.036	404.908	404.928	405.300	405.439	
DESIGN OFFSET	- 6 587	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	7.475	
					CH 55000					

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	Scale (A1 size) 1:100	.: A DO	51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Series is in the series		23/08/2024 SHIRE OF O	SHIRE	ANNOTATED CROSS SECTIONS SHEET 38 OF 64	Drawing Che	ck Design Check	RPEQ	Drawing is not to be used for construction unless approved.	" ARU	E admin@aroindustries.com.au W www.aroindustries.com.au ABN: 49 641 461 298

CENTRELINE SETOUT E 241533.472 N 7209062.897 RL 401.202 DATUM RL 398.0		1 in 2	1 in 4	1.2%	1.2%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	401.265	1 - 1	401.159	401.171	401.202	401.124	401.094	1 - 1	401.668	
NATURAL SURFACE LEVEL	401.265		400.891	401.034	401.031	400.853	401.069		401.668	
DESIGN OFFSET	-6.710	-5.500	-3.500	-2.500	0.000	2.604		5.604	7.754	
			·		CH 55	5500				

CENTRELINE SETOUT E 241571.704 N 7209155.25 RL 401.836		ı in	4 1 in 4	4%	4%	4%	4%	1 in 4	1 in 2	
DATUM RL 398.0	1									
DESIGN SURFACE LEVEL		401.55/	1 -1	401.936	401.836	401.720	401.680	401.180	402.135	
NATURAL SURFACE LEVEL		401.55/	1 1	401.563	401.556	401.361	401.594	401.913	402.135	
DESIGN OFFSET		-6.054 -5.500	-3.500	-2.500	0.000	2.900	3.900	5.900	7.811	
			_		CH 55400					

CENTRELINE SETOUT E 241586.811 N 7209202.906 RL 402.203 DATUM RL 399.0		1 in 4	4%	4%	4%	4%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	401.893		402.303	402.203	402.087	402.047	401.547	402.643	
NATURAL SURFACE LEVEL	401.893	401.903	401.970	401.953	401.762	401.875	402.137	402.643	
DESIGN OFFSET	-5.599	-5.500	-2.500	0.000	2.900	3.900	5.900	8.091	
				CH 55	350				



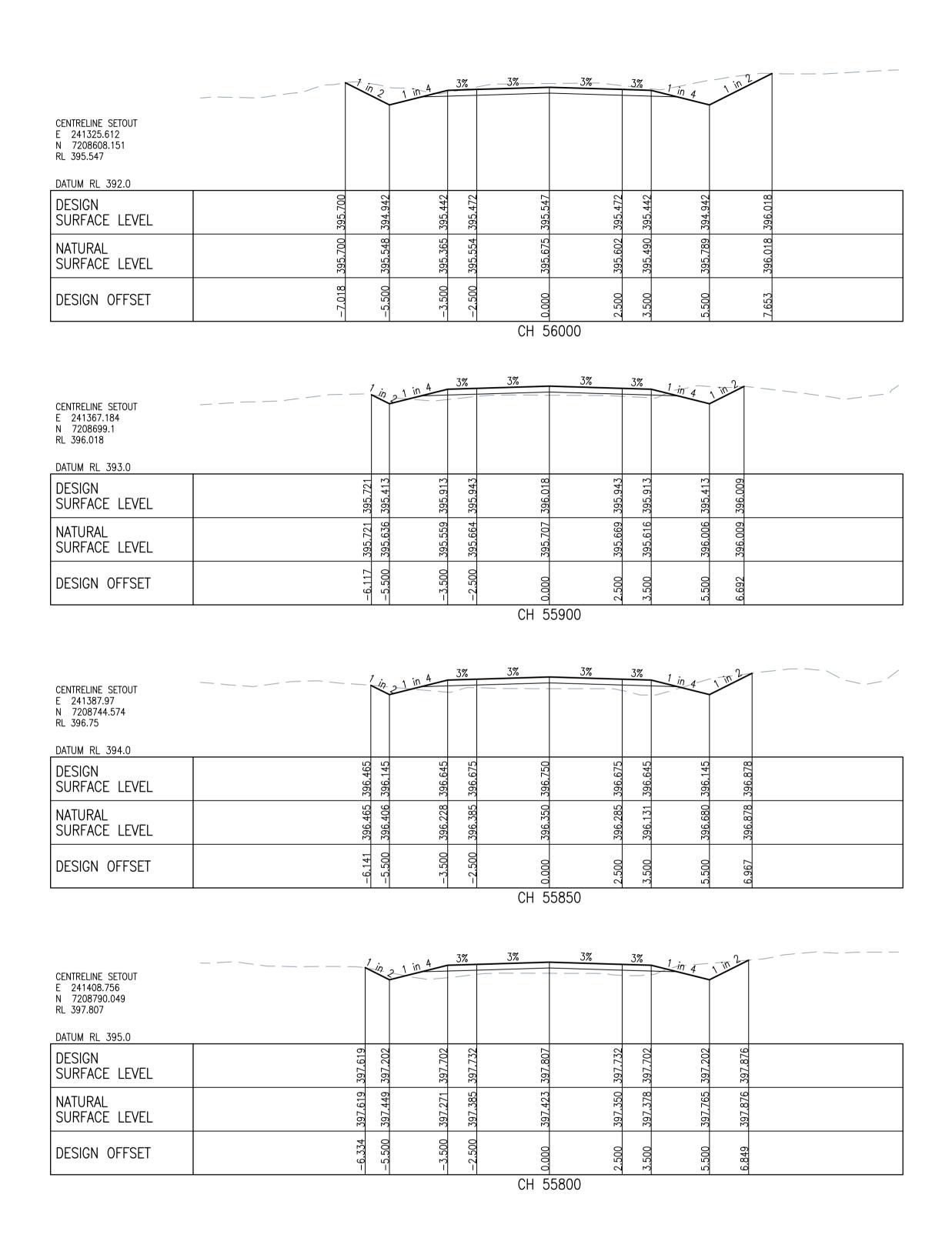
CENTRELINE SETOUT E 241450.328 N 7208880.998 RL 399.95		- J-in 2	1 in 4	3%		3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	400.351	399.345	399.845	399.875	399.950	399.875	399.845	399.345	400.752	<u> </u>
NATURAL SURFACE LEVEL	400.351	400.330	399.759	399.913	399,989	399,922	399.820	400.295		· I
DESIGN OFFSET	-7.511	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	8.314	
					CH 5	5700	•			

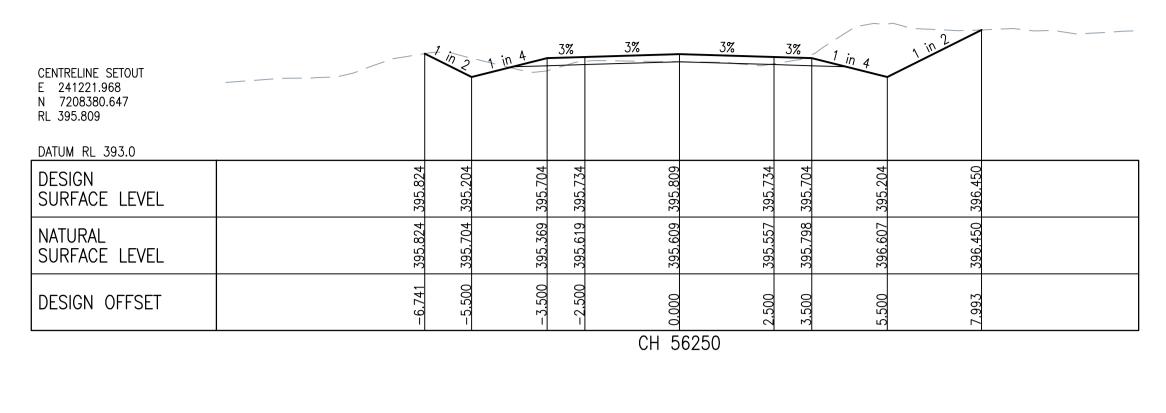
CENTRELINE SETOUT E 241471.114 N 7208926.473 RL 400.924  DATUM RL 398.0		1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	400.266 400.319	400.819	400.849	400.924	400.849	400.819	400.319	401.304	
NATURAL SURFACE LEVEL	400.266 400.241	400.555	400.613	400.665	400.637	400.558	400.966	401.304	
DESIGN OFFSET	-5.712 -5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	7.469	
				CH 55	650				

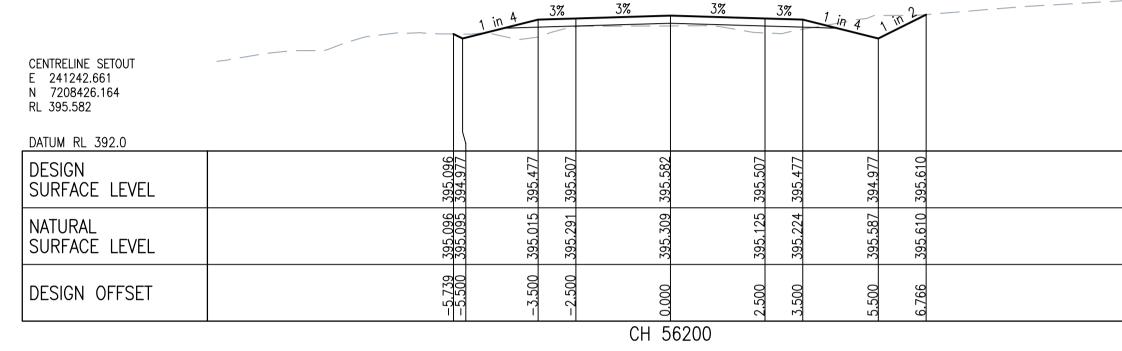
CENTRELINE SETOUT E 241491.9 N 7208971.948 RL 401.332 DATUM RL 398.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL		401.316	401.227	401.257	401.332	401.257	401.227	400.727	401.822	
NATURAL SURFACE LEVEL		401.316		401.118	401.169	401.081		9.	401.822	
DESIGN OFFSET		-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	7.691	
	•	•			CH 5	5600				•

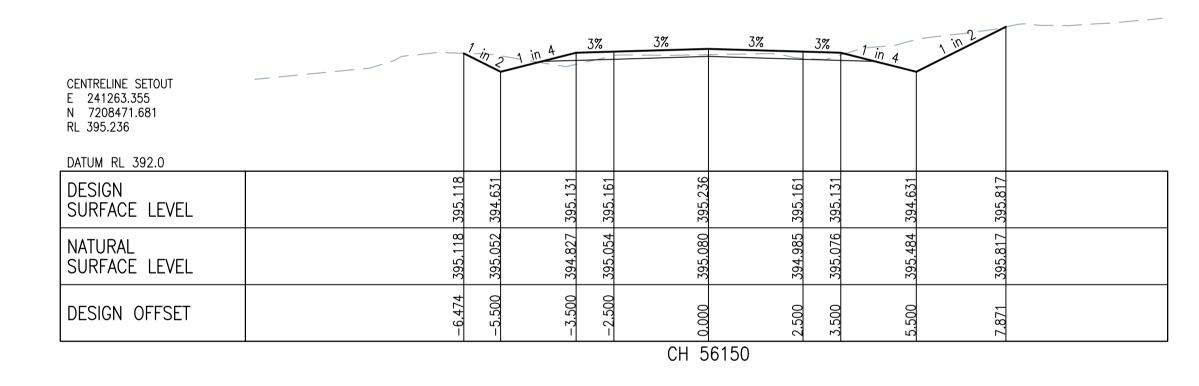
CENTRELINE SETOUT E 241512.686	 1	2 1 in 4	3%		3% 	3%	1 in 4	1 m 2	_ — — — — — —
N 7209017.422 RL 401.21 DATUM RL 398.0									
DESIGN SURFACE LEVEL	- 1	400.605	401.135	401.210	401.135	401 105	9.0	401.222	
NATURAL SURFACE LEVEL	5	400.966	400.995	401.047	400.971	400 931	. ←	401.222	
DESIGN OFFSET	-6.24U	-5.500	-2.500	0.000	2.500	3 500		6.735	
				CH 5	5550				

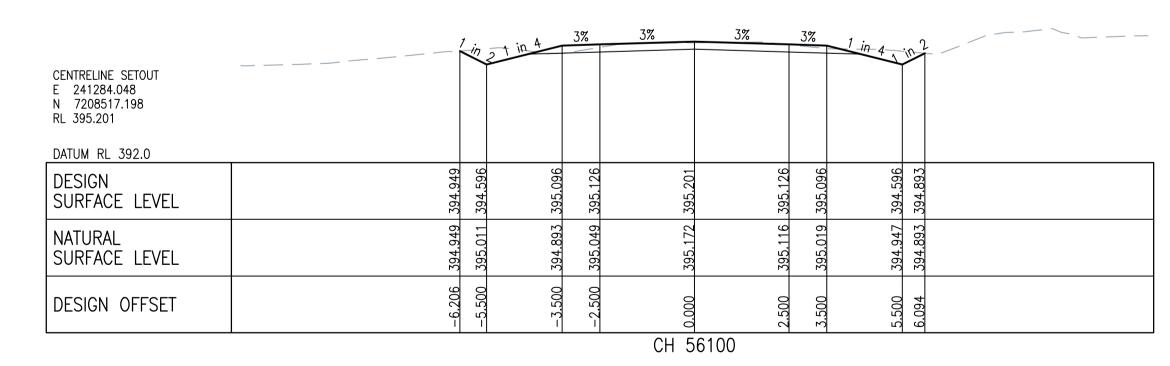
No.	Description	Reviewed Approved Date	Client Logo Client Project	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved		Scale (A1 size) 1:100		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Revision 1 TENE	DER ISSUE	23/08/2024	SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 39 OF 64	Drawing Che	ck Design Check	RPEQ	Date	Drawing is not to be used for construction unless approved.	ARU	W www.aroindustries.com.au  ABN: 49 641 461 298







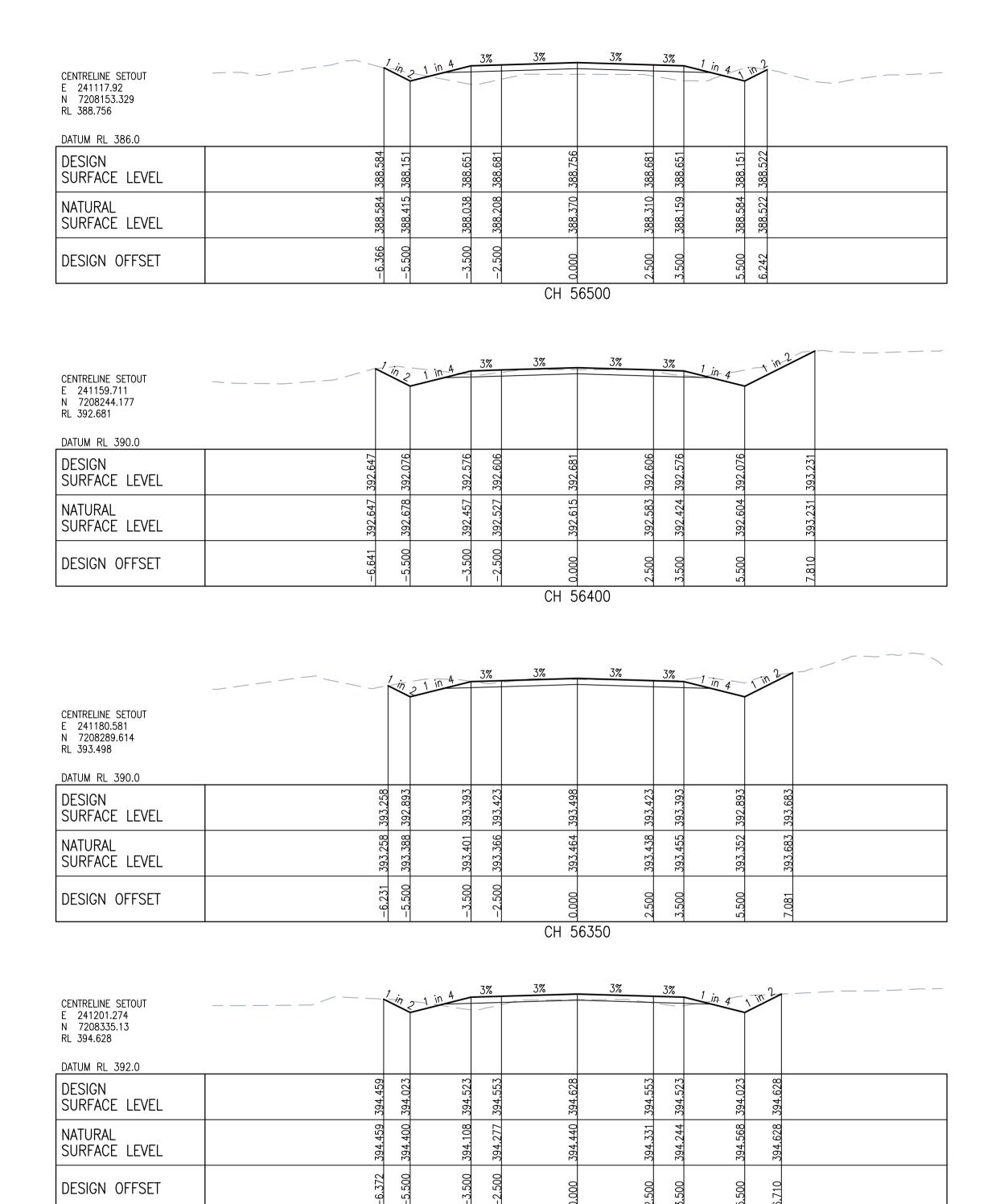




### TENDER ISSUE ONLY

No.	Description Reviewed Approve	Date	Client Logo Clie	ent	BANANA SHIRE COUNCIL	Drawn M.C	Designed Approve	ed	Scale (A1 size)	•		51 Sheridan Street Cairns Qld 4870
ω			<b>Banana</b> Pro	oject	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS	S IVIS		1:100	••••	ADO	T (07) 4281 6897
evision			SHIRE	le	ANNOTATED CROSS SECTIONS SHEET 40 OF 64	Drawing C	Check Design Check RPEQ	Date	Drawing is not to be used for construction		ARU	W www.aroindustries.com.au
<u>v</u> 1	TENDER ISSUE	23/08/2024	SHIKE OF OFFORTUNITY						unless approved.	•		ABN: 49 641 461 298

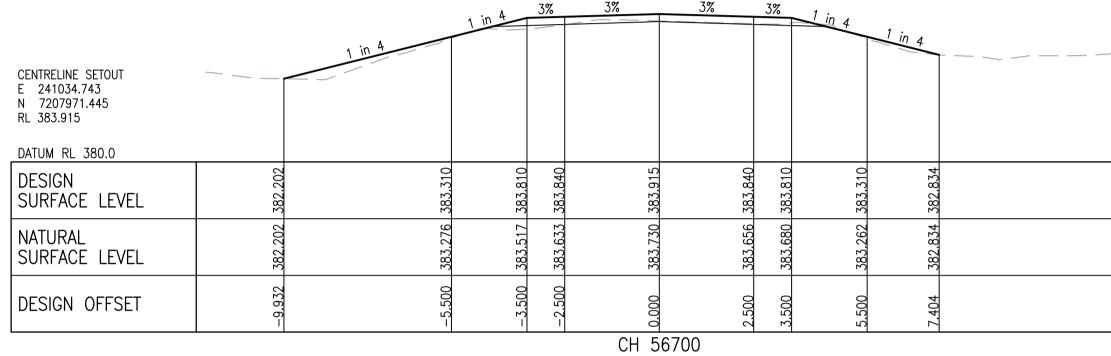
Drawing No.

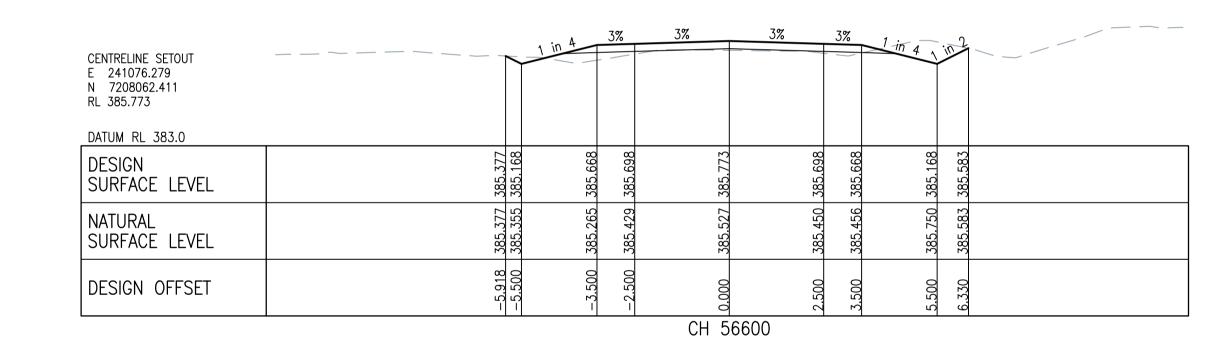


CH 56300

Drawing No.

		1 1/1 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
CENTRELINE SETOUT E 241013.978 N 7207925.961 RL 383.551										
DATUM RL 380.0										
DESIGN SURFACE LEVEL	383.632	382.946	383.446	383.476	383.551		383.446	382.946	384.092	
NATURAL SURFACE LEVEL	383.632	383.514	383.275	383.388	383.452	· ·	383.399	384.079	384.092	
DESIGN OFFSET	-6.872	-5.500	-3.500	-2.500	0.000	2 500	3.500	5.500	7.792	
					CH 5	6750			·	
			1 in 4	3%	3%	3%	3%	1 in 4		

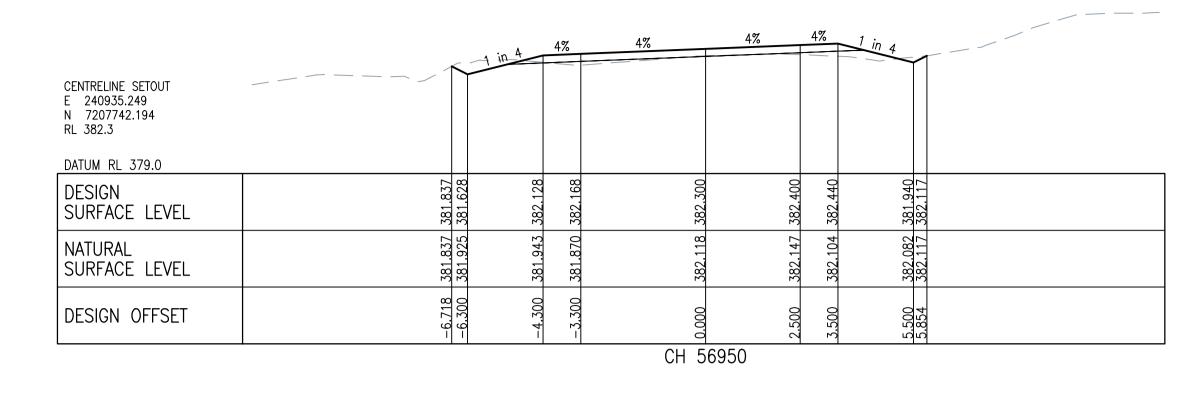




CENTRELINE SETOUT E 241097.046 N 7208107.894 RL 386.974		1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	386.405 386.369	386.869	386.899	386.974	386.899	386.869	386.369	386.799	
NATURAL SURFACE LEVEL	386.405 386.405	386.398	386.484	386.647	386.598		386.698	386,799	
DESIGN OFFSET	-5.573 -5.500	-3.500	-2.500	0.000	2.500		5.500	6.360	
				CH 5	6550				

#### 0 1 2 3 4 5m SCALE 1:100 (A1)

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn	Designed	Approved	Scale (A1 size)		51 Sheridan Street Cairns Qld 4870
Δ		Bana	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	MS	MS		1:100	ADO	T (07) 4281 6897
evision		SHIRE OF OPP	SHIRE	ANNOTATED CROSS SECTIONS SHEET 41 OF 64	Drawing Ched	ck Design Check	RPEQ	Date  Drawing is not to be used for construction	ARU	W www.aroindustries.com.au  ABN: 49 641 461 298
1 TENDER ISSUE		23/08/2024						unless approved.		ADIV. 45 041 401 250

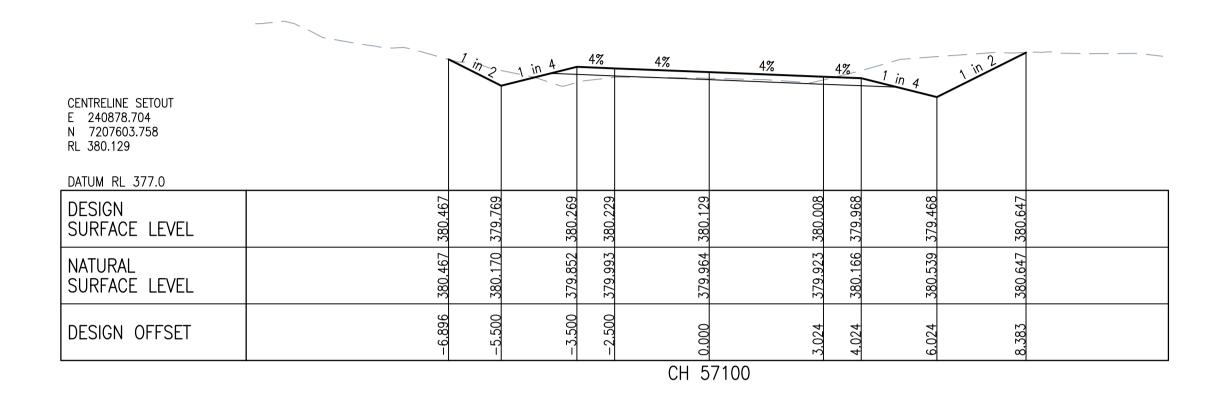


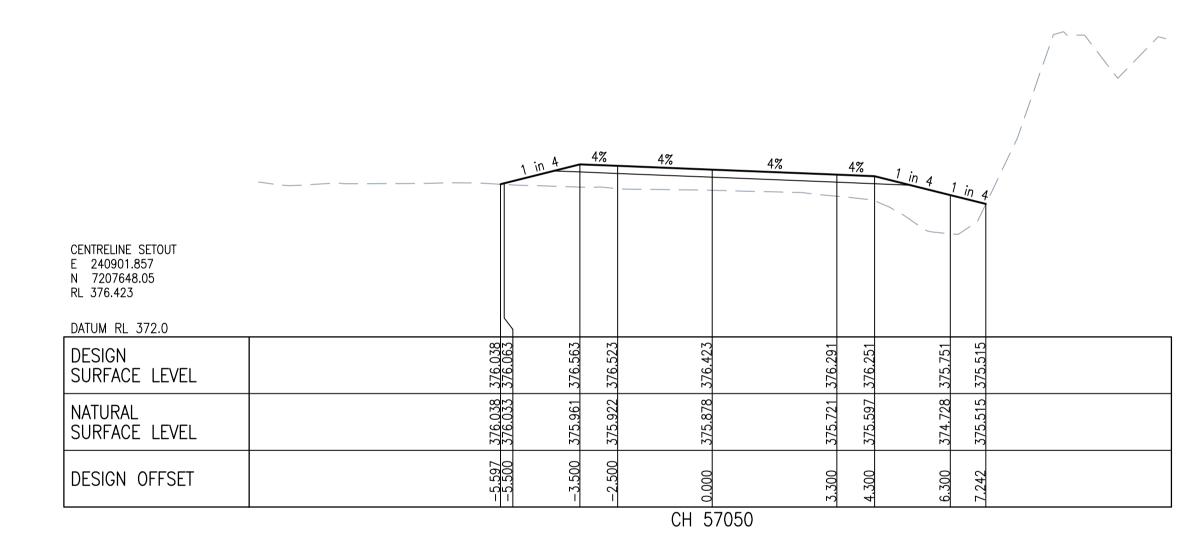
CENTRELINE SETOUT E 240953.107 N 7207788.878 RL 382.251 DATUM RL 378.0		1 10	21 in 4	3%	3%	0.9%	0.9%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	781 070	381.639		382.169	382.251	382,229	382.220	381.720	383.157	;
NATURAL SURFACE LEVEL	781 070	382.047	382.009	381.932	382.141	382,150		382.557	383.157	
DESIGN OFFSET	9 × 9 × 9 × 9 × 9 × 9 × 9 × 9 × 9 × 9 ×	-5.738	-3.738	-2.738	0.000			5.500	8.374	
					CH 5	6900				

CENTRELINE SETOUT E 240972.725 N 7207834.868 RL 382.023  DATUM RL 378.0		1 in 4	1 in 4	3%	3%		3%	1 in 4	1 in 4	. — — — — — — — — — — — — — — — — — — —
DESIGN SURFACE LEVEL	380.828	381.418	381.918	381.948	382.023	381.948	•	381,418	381.060	
NATURAL SURFACE LEVEL	380.828	380.810	381.351	381.759	381.878	381.834		381.018	381.060	
DESIGN OFFSET	-7.858	-5.500	-3.500	-2.500	0.000	2.500		5.500	6.932	
					CH 5	6850				

CENTRELINE SETOUT E 240993.213 N 7207880.477 RL 382.642  DATUM RL 379.0		21 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	382.286		382.567	382.642	382.567	382.537	382.037	382.401	
NATURAL SURFACE LEVEL	382.286		382.310	382.449	382.348	382.137	382.382	382.401	
DESIGN OFFSET	-5.997 -5.500		-2.500	0.000	2.500	3.500	5.500	6.228	
				CH 5	6800				

CENTRELINE SETOUT E 240852.739 N 7207561.029 RL 383.875 DATUM RL 381.0		1 in 2	1 in 4	0.4%	0.4%	0.4%	0.4%	1 in 4		 
DESIGN SURFACE LEVEL	384.474	383.391	383.891	383.887	383.875	383.865	383.861	383.361	383,404	
NATURAL SURFACE LEVEL	384.474	384.229	383.797	383.610	383.765	383.719	383.635	383.414	383.404	
DESIGN OFFSET	-8.058	-5.892	-3.892	-2.892	0.000	2.505	3.505	5.505	5.592	
					CH 5	7150				





CENTRELINE SETOUT E 240920.473 N 7207694.434 RL 380.107  DATUM RL 377.0		1 in 4	4%	4%	4%	4%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	379.875 379.747	380.247	380.207	380.107	, c	379 935	79 4	787 JR	
NATURAL SURFACE LEVEL	379.875 379.875	379.918	8	380.029	000	380 187	<u> </u>		) ) )
DESIGN OFFSET	-5.756 -5.756	-3.500	-2.500	0.000	7	3.300	6.300		
				CH 57	7000				

### TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	Sca	1:100		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
1 TENDER IS	ISSUE	23/08/2024	SHIRE	ANNOTATED CROSS SECTIONS SHEET 42 OF 64	Drawing Che	ck Design Check	RPEQ	u	Drawing is not to be used for construction unless approved.	ARU	E admin@aroindustries.com.au W www.aroindustries.com.au ABN: 49 641 461 298

CENTRELINE SETOUT E 240746.051 N 7207335.055 RL 384.28 DATUM RL 381.0		1 in	21 in 4	3%	3%	3%	3%	1 in 4 \	<u>in 2</u>	
DESIGN SURFACE LEVEL	202 202	383.675	384.175	384.205	384.280	384.205	384.175	383.675	384.105	
NATURAL SURFACE LEVEL	200 202	383.852	383.884	383.968	384.052	384.061	383.925	384.140	384.105	
DESIGN OFFSET	A 05.4	-5.934 -5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.360	
					CH 5	7400				
CENTRELINE SETOUT E 240787.576 N 7207426.026 RL 385.47			1 in 4	3%	3%	3%	3%	1 in 4		

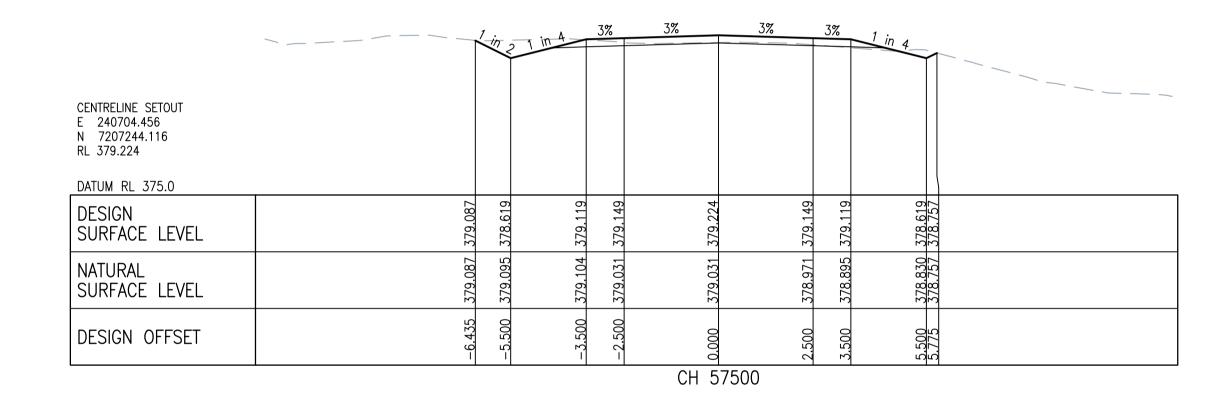
DESIGN SURFACE LEVEL	385.170 384.865 385.395 385.395 385.395 385.395 385.395	
NATURAL SURFACE LEVEL	385.170 385.090 385.090 385.136 385.115 385.115 385.082	
DESIGN OFFSET	-6.110 -5.500 -3.500 -2.500 3.500 5.500 5.500	
	CH 57300	0
CENTRELINE SETOUT E 240808.286 N 7207471.535 RL 385.563	1 in 4 3% 3% 3% 3% 1 in 4 in	

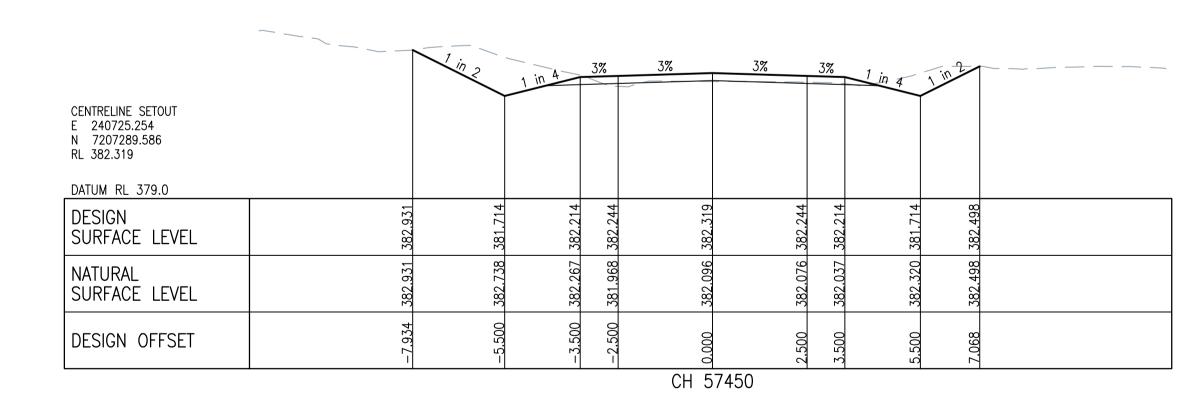
CENTRELINE SETOUT E 240808.286 N 7207471.535 RL 385.563										
DESIGN SURFACE LEVEL	386.044	384.958	385.458	385.488	385.563	4.	· ·	384.958	385.297	
NATURAL SURFACE LEVEL	386.044	385.648	385.232	385,339	385.373	385.360		385.273	385.297	
DESIGN OFFSET	-7.672	-5.500	-3.500	-2.500	0.000	2.500		5.500		
					CH 5	7250				

CENTRELINE SETOUT E 240829.058 N 7207517.016 RL 385.083		Tin 2	1 in 4 3%	78	3%	1.8%	1.8%	1 in 4 : 10 2	 _ — — —	
DESIGN SURFACE LEVEL	385.538	384.462	384.962	384.992	385.083	385.127	385.145	384.645 384.882		
NATURAL SURFACE LEVEL	385.538	385.239	384.829	384.781	384.874	384.876	384.878	384.881 384.882		
DESIGN OFFSET	-8.182	-6.032	-4.032	-3.032	0.000	2.500	3.500	5.500		
					CH 5	7200				

CENTRELINE SETOUT E 240663.351 N 7207152.955 RL 381.283		t in 2	1 in 4	3%		3%	3%	1 in 4 1	in 2	
DESIGN SURFACE LEVEL	381.519	380.678	381.178	381.208	381.283	381.208	381.178	380.678	381.025	
NATURAL SURFACE LEVEL	381.519	381.375	381.130	381.162	381.151	381.022	381.000	381.066		
DESIGN OFFSET	-7.183	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		:
					CH 5	7600				

CENTRELINE SETOUT E 240683.865 N 7207198.553 RL 379.122 DATUM RL 376.0		1 in	21 in 4	3%	3%	3%	3%	1 in 4 in 2	 - — — _	
DESIGN SURFACE LEVEL	378.938	378.517	379.017	379.047	379.122	379.047	379.017	378.517		
NATURAL SURFACE LEVEL	378.938	378.954	378.825	378.924	378.940	378.905	378.773	378.797		
DESIGN OFFSET	-6.344	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		
					CH 5	7550				

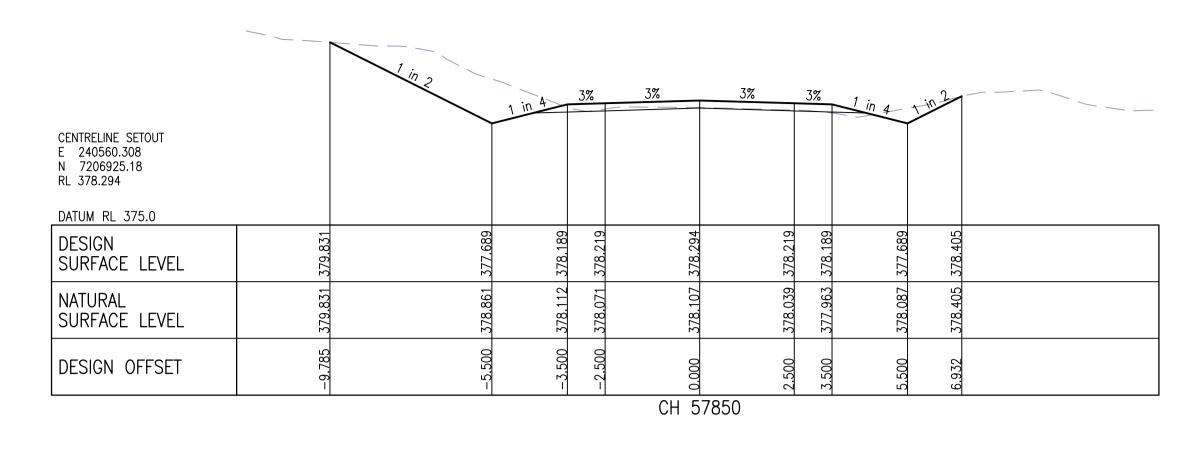




DATUM RL 382.0

# TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	Scale (A1 size	00		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Si TENDER IS	ISSUE	23/08/2024 SHIRE OF OP	SHIRE	ANNOTATED CROSS SECTIONS SHEET 43 OF 64	Drawing Che	ck Design Check	RPEQ	Date  Drawing is used for counless ap	nstruction	ARU	E admin@aroindustries.com.au W www.aroindustries.com.au  ABN: 49 641 461 298



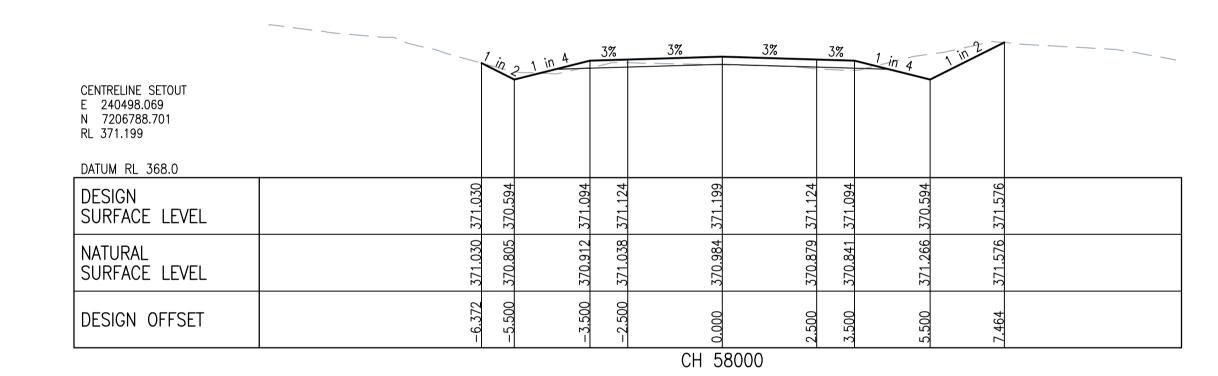
CENTRELINE SETOUT E 240581.054 N 7206970.673 RL 379.88		Tin 2	1 in 4	3%	3%	3%	3%	1 in 4	<u>in 2</u>	
DESIGN SURFACE LEVEL	380.995	379.275	379.775	379.805	379.880	379.805	6	379.275	379.752	
NATURAL SURFACE LEVEL	380.995	380.134	379.579	379.534	379.576	379.515	379.447	379.625	379.752	
DESIGN OFFSET	-8.940	-5.500	-3.500	-2.500	0000	2.500	3.500	5.500	6.453	
	•				CH 5	7800				

CENTRELINE SETOUT E 240601.8 N 7207016.166 RL 380.668 DATUM RL 377.0		1 in 4	3%	3%	3%	3%	1 in 4	1 in 4	
DESIGN SURFACE LEVEL	380.216		380.593	380.668	380.593	380.563	380.063	379.486	
NATURAL SURFACE LEVEL	380.216	380.334	380.368	380.385	380.370	380.378	379.957	379.486	
DESIGN OFFSET	708-2	-3.500	-2.500	0.000	2.500		5.500	7.808	
				CH 5	7750				

CENTRELINE SETOUT E 240622.323 N 7207061.759 RL 380.93		t in 2	1 in 4 3	%	3% 3%		3%	1 in 4	<u>in 2</u>	
DESIGN SURFACE LEVEL	381.390	380.325	380.825	380.855	380.930	380.855	380.825	380.325	380.696	
NATURAL SURFACE LEVEL	381.390	380.924	380.804	380.844	380.840	380.759	380.674	380.614	380.696	
DESIGN OFFSET	-7.631	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.243	
					CH 57700					

		1 in 4	3%	3%	3%	3%	1 in 4	1 in 4	
CENTRELINE SETOUT E 240456.652 N 7206697.682 RL 369.009									
DESIGN SURFACE LEVEL	368.398	368.404	368.934	369.009	368.934	368.904	368.404	368.033	
NATURAL SURFACE LEVEL	368.398	368.393 368.192	368.275	368.304	368.251	368.209	368.022	368.033	
DESIGN OFFSET	-5.525	-5.500 -3.500	-2.500	0.000	2.500	3.500	5.500	6.985	
				CH 5	8100				

CENTRELINE SETOUT E 240477.323 N 7206743.209 RL 369.741 DATUM RL 367.0		1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	369.275 369.275 369.136	369.636	369.666	369.741	369.666	369.636	369.136	369.455	
NATURAL SURFACE LEVEL	369.275 369.275	369.098	369.201	369.242	369.195	-	369.362	369.455	
DESIGN OFFSET	-5.779 -5.500	-3.500	-2.500	0.000	2.500		5.500	6.139	
			•	CH 5	8050				



CENTRELINE SETOUT E 240539.561 N 7206879.687 RL 375.964 DATUM RL 373.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1:112	
DESIGN SURFACE LEVEL	377.005	375.359	375.859	375.889	5.	375.889	375.859	375.359	76.1	
NATURAL SURFACE LEVEL	377.005	376.068	375.717	375.809	375.697	375.653	375,504	375.895	376.170	
DESIGN OFFSET	-8.793	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	7.122	
					CH 579	00				

# TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn MS	Designed MS	Approved	Scale (A1 size)			51 Sheridan Street Cairns Qld 4870
σ		Bane	ana Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS	IVIO		1:100	A	DO	T (07) 4281 6897
evision		SHIPE OF OR	SHIRE	ANNOTATED CROSS SECTIONS SHEET 44 OF 64	Drawing Chec	k Design Check	RPEQ	Date  Drawing is not to be used for construction	" A	NU	W www.aroindustries.com.au
1 TENDER ISSU	JE	23/08/2024	OKTONIT					unless approved.	•		ABN: 49 641 461 298

Drawing No.

CENTRELINE SETOUT E 240353.566 N 7206469.925 RL 371.715		1 10 2	1 in 4	3%	3%	3%	3%	1-in-4 \	in 2	
DESIGN SURFACE LEVEL	371.881	371.110	371.610	371.640	371.715	371.640	371.610	371.110	371.494	<u>:</u>
NATURAL SURFACE LEVEL	371.881	371.892	371.614	371.570	371.595	371.531	371.511	371.532	1 1	•
DESIGN OFFSET	-7.042	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		4
	•			•	CH 5	8350	•			

CENTRELINE SETOUT E 240374.183 N 7206515.476 RL 371.306  DATUM RL 368.0		1 in	1 in 4	3%	3% 	3%	3%	1 in 4	<u>m 2</u>	
DESIGN SURFACE LEVEL	371.114	370.701	371.201	371.231	371.306	371.231	٠ .	370.701	371.133	
NATURAL SURFACE LEVEL	371.114	371.071	370.964	371.063	371.114	371.106	•	371.167	371.133	
DESIGN OFFSET	-6.326		-3.500	-2.500	0.000	2.500		5.500	6.364	
					CH 5	8300				

CENTRELINE SETOUT E 240394.8 N 7206561.027 RL 370.503		1/19 2	1 in 4	3%		3%	3%	1-in 4	1 in 2	
DESIGN SURFACE LEVEL	370.520	369.898	370.398	370.428	370.503	70.			370.529	
NATURAL SURFACE LEVEL	370.520	370.877	370.400	370.396	370.389	07	32	o.	370.529	
DESIGN OFFSET	-6.744	-5.500	-3.500	-2.500	0.000	2.500		5.500	6.762	
					CH 5	8250				

CENTRELINE SETOUT E 240415.418 N 7206606.579 RL 368.715 DATUM RL 366.0		1 in 2	1 in 4	3%		%	-3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	369.522	368.110	368.610	368.640	368.715	368.640	368.610	368.110	369,678	
NATURAL SURFACE LEVEL	369.522	369.341	368.787	368.778	368.809	368.781	368.873	369.613	369,678	
DESIGN OFFSET	-8.323		-3.500	-2.500	0000	2.500	3.500	5.500	8.636	
			•	'	CH 58200	<u>'</u>		•		

CENTRELINE SETOUT E 240229.384 N 7206196.834 RL 372.378		1 in	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	372.174	371.773	372.273	372.303	372.378	372.303	2		
NATURAL SURFACE LEVEL	372.174	372.122	371.900	371.992	372.032	372.000	<u> </u>	<del>-  </del> -	
DESIGN OFFSET	-6.303		-3.500	-2.500	0.000	2.500		5.500	
					CH 5	8650			

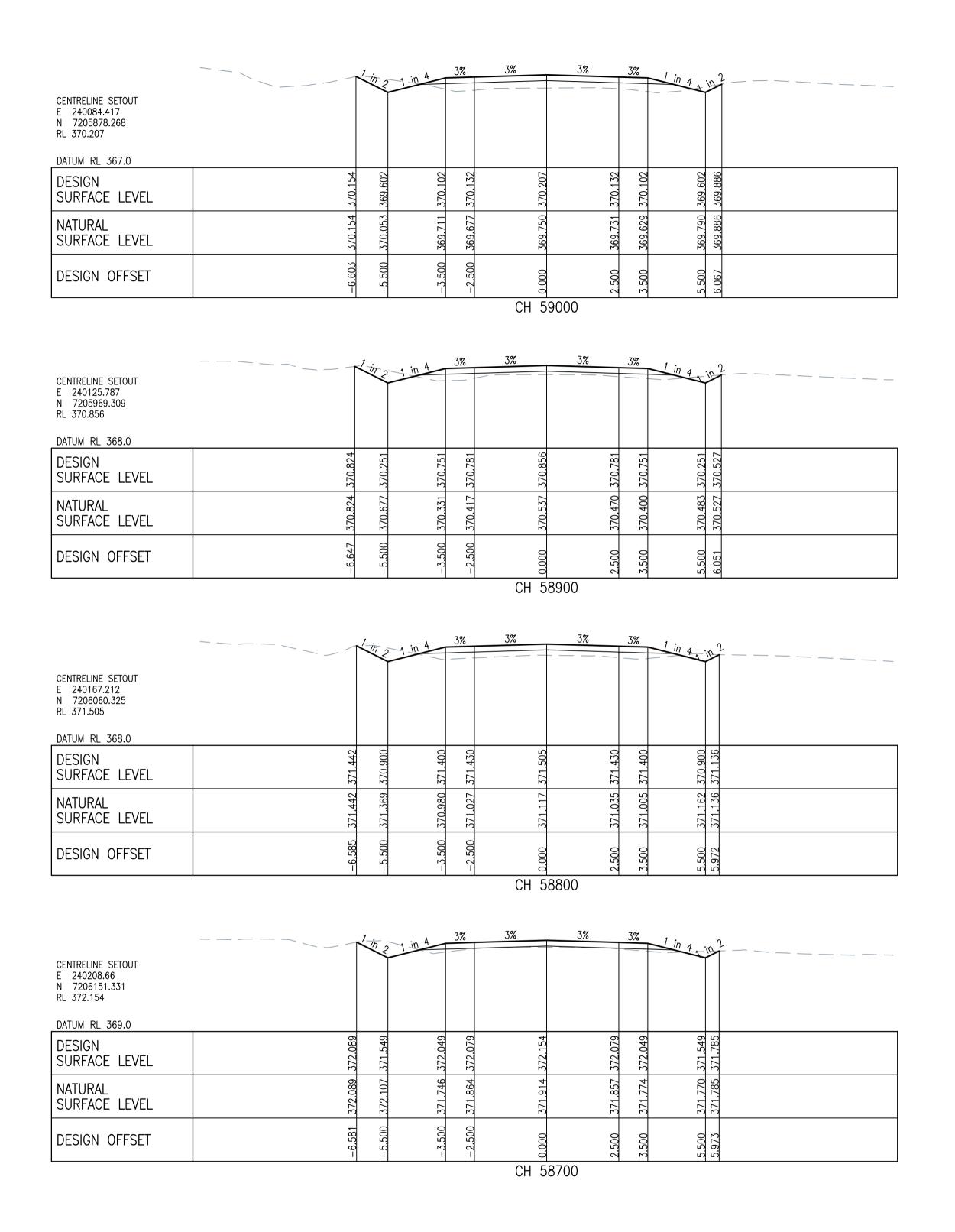
CENTRELINE SETOUT E 240250.151 N 7206242.317 RL 372.387  DATUM RL 369.0		1-17/2	1 in 4	3%	3% 	3%	3%	1 in 4 in	2 — — —	
DESIGN SURFACE LEVEL	372.358		372.282	372.312	372.387	372.312	372.282	371.782	600.7/0	
NATURAL SURFACE LEVEL	372.358	1 7	372.035	372.184	372.188	372.132	371.963	372.056	800.7/6	
DESIGN OFFSET	-6.651		-3.500	-2.500	0.000	2.500	3.500	05	6.0/3	
					CH 5	8600				

CENTRELINE SETOUT E 240291.71 N 7206333.272 RL 372.178  DATUM RL 369.0		1 in 4	3%	3% 3%		3%	1 in 4	
DESIGN SURFACE LEVEL	371.711 371.573	372.073	372.103	372.178	372.103	372.073	371.573 371.764	
NATURAL SURFACE LEVEL	371.711 371.724	372.063	372.060	372.047	371.978	371.985	371.838 371.764	
DESIGN OFFSET	-5.776 -5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	
				CH 58500				

CENTRELINE SETOUT E 240332.949 N 7206424.373 RL 371.96  DATUM RL 369.0		1 1/1 2	1 in 4	3%	3%	3%	3%	1 in 4	1 11 2	
DESIGN SURFACE LEVEL	372 133	1.3	371.855	371.885	371.960	371.885	371.855	371.355	372.016	
NATURAL SURFACE LEVEL	372 133	2.0	371.786	371.897	371.900	371.852	371.829	371.932	2	
DESIGN OFFSET	-7.056	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.823	
					CH 584	00				

# TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	Scale (A1 size) 1:100		51 Sheridan Street Cairns Qld 4870 T. (07) 4281 6897
Sevisions 1 TENDER ISSUE		23/08/2024	SHIRE	ANNOTATED CROSS SECTIONS SHEET 45 OF 64	Drawing Ched	k Design Check	RPEQ	Date  Drawing is not to be used for construction unless approved.	# ARU	E admin@aroindustries.com.au W www.aroindustries.com.au  ABN: 49 641 461 298



CENTRELINE SETOUT E 239939.293 N 7205559.774 RL 368.269		1 1/1/2	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	368.367	367.664	368.164	368.194	368.269	368.194	368.164	367.664	
NATURAL SURFACE LEVEL	368.367	368.363	368.039	367.966	368.074	368.022	367.952	$  \omega _{\infty}$	
DESIGN OFFSET	-6.905	-5.500	-3.500	-2.500	0.000	2.500	3.500		
					CH 5	9350			

CENTRELINE SETOUT E 239960.256 N 7205605.166 RL 368.294 DATUM RL 365.0		Tin 2	1 in 4 35	%	3% 3%	3%		1 in 4	 	
DESIGN SURFACE LEVEL	368.622	367.689	368.189	368.219	368.294	`!	368.189	367.689 367.853		
NATURAL SURFACE LEVEL	368.622	368.566	368.076	368.014	368.084		367.909	367.827 367.853		
DESIGN OFFSET	-7.366	-5.500	-3.500	-2.500			3.500	5.500 5.828		
			•		CH 59300				 	

CENTRELINE SETOUT E 240001.648 N 7205696.198 RL 368.91 DATUM RL 366.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	.E. 2	
DESIGN SURFACE LEVEL	369.075	368.305	368.805	368.835	368.910	368.835	368.805	368.305	368.730	
NATURAL SURFACE LEVEL	369.075	368.996	368.634	368.638	368.719	368.638	368.611	368.757	368.730	
DESIGN OFFSET	-7.041	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.351	
					CH 59	200				

CENTRELINE SETOUT E 240043.04 N 7205787.229 RL 369.558  DATUM RL 366.0		1 10 2	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	369 595	368.953	369.453	369.483	369.558	369.483			369.396	
NATURAL SURFACE LEVEL	369 595		369.110	369.184	369.220	369.139		369.323	369.396	
DESIGN OFFSET	-6.784	-5.500	-3.500	-2.500	0.000	2.500		5.500	6.385	
					CH 5	9100				

### TENDER ISSUE ONLY

Banana Defence Road Upgrade - CH 36,172 - CH68,499  Drawing Check Design Check RPEQ Date Drawing is not to be Drawing is not to be	d Scale (A1 size) 51 Sheridan Street Cairns Qld 4870	Designed Approved MS	Drawn Desi	BANANA SHIRE COUNCIL	ogo Client	Reviewed Approved Date	. Description	
Title    Drawing Check   Design Chec	1:100	IVIO	IVIO	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	<b>Banana</b> Project			<u>ရှိ</u>
SHIRE OF OPPORTUNITY Unless approved.	used for construction	Design Check RPEQ	Drawing Check Design	ANNOTATED CROSS SECTIONS SHEET 46 OF 64	SHIRE OF OPPORTUNITY			Revision

Drawing No.

CENTRELINE SETOUT E 239835.172 N 7205332.498 RL 366.298	1 in 2	1 in 4	3%	<u>3%</u>	3%	3%	1 in 4 \	in 2	
DESIGN SURFACE LEVEL	365.693	366.193	366.223	366.298	366.223	366.193	365,693	366.153	
NATURAL SURFACE LEVEL	366.223	365,899	365.992	366.008	365.955	365.939	366.190	366.153	
DESIGN OFFSET	-7.149	-3.500	-2.500	0.000	2.500	3.500	5.500		
		·		CH 5	9600				

CENTRELINE SETOUT E 239875.89 N 7205423.833 RL 368.044 DATUM RL 365.0		Tin 2	1 in 4 3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	368.358	367.439	367.939	<u>v</u> i o	996.798	367.939	367.439		
NATURAL SURFACE LEVEL	368.358	368.112	367.731	367.801	367,714	367.778	368.036	368.013	
DESIGN OFFSET	-7.339	-5.500	-3.500	0.000	2.500	3.500	5.500	6.648	
			•	CH 5	9500			•	

CENTRELINE SETOUT E 239897.013 N 7205469.152 RL 368.574		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	
DATUM RL 365.0	6	6	0	<u>б</u>	4		69	95	
DESIGN SURFACE LEVEL	368.62	367.969	368.469	368.499	368.57	368,499	368.46	367.969 368.163	
NATURAL SURFACE LEVEL	368.629	368.772	368.356	368.214	368.369	368.352	368.242	368.154 368.163	
DESIGN OFFSET	-6.821	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	
					CH 59	9450	•		

CENTRELINE SETOUT E 239918.153 N 7205514.463 RL 368.521 DATUM RL 365.0		1 1/1/2	1 in 4 3%	6	3% 3%	3%	1 in 4	
DESIGN SURFACE LEVEL	368.738	367.916	4]	368.446	368.521	7000	367.916	
NATURAL SURFACE LEVEL	368.738	368.666		368.197	368.348	70.00	368.090	
DESIGN OFFSET	-7.145	-5.500	.4	-2.500	0.000	000.7	5.500	
				•	CH 59400		<u>.                                      </u>	

CENTRELINE SETOUT E 239722.589 N 7205054.521		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
RL 365.479  DATUM RL 362.0										
DESIGN SURFACE LEVEL	365.645	364.874	365.374	365.404	365.479	04	365.374		365.121	
NATURAL SURFACE LEVEL	365.645	365.641	365.138	365.128	365.187	<u> </u>	365.029	365.101	365.121	
DESIGN OFFSET	-7.043	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	5.994	
					CH 5	9900				

CENTRELINE SETOUT E 239758.11 N 7205147.999 RL 363.484		1 1/10 2	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN	363 559	2.879	.37	3 409			3.379	.879	3.352	
SURFACE LEVEL	.92	362	.9£	36.3	363	363.	36.	362.	363	,
NATURAL SURFACE LEVEL	363 559	363.545	263.262	363 284	363.421	363.420	363.305	363.281	363.352	
DESIGN OFFSET		-5.500	-3.500	-2.500	0000	2.500		5.500		
					CH 5	9800				

CENTRELINE SETOUT E 239775.908 N 7205194.724 RL 363.144 DATUM RL 360.0		1 10 2	1 in 4	3%	3%	0.7%	0.8%	1 in 4	
DESIGN SURFACE LEVEL	P2 0 292	362.539	363.039	363.069	363.144	363.162	363.170	362.670	
NATURAL SURFACE LEVEL	P2 0 292	363.180	362.981	363.004	363.058	362.992	362.926	တ်ထ	
DESIGN OFFSET	-6 401	-5.500	-3.500	-2.500	0.000	2.500		5.500 5.300	
					CH 59	9750			

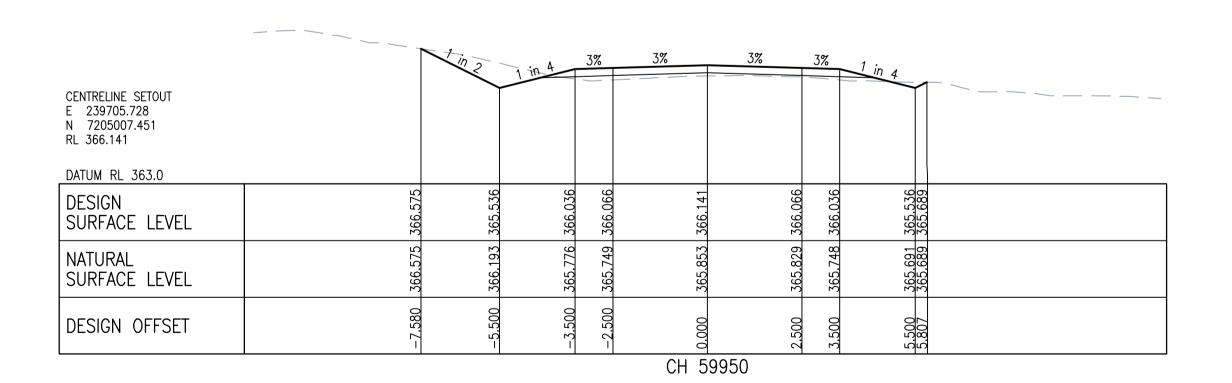
CENTRELINE SETOUT E 239794.675 N 7205241.066 RL 364.442  DATUM RL 361.0		1 in 2	1 in 4 3%	3%		2/6	1 in 4	·m 2	
DESIGN SURFACE LEVEL	364.395	363.837	364.337		364,493	4	364.013	364.332	
NATURAL SURFACE LEVEL	364.395	364.295	363.905	32	364.319		364.343	364.332	
DESIGN OFFSET	-6.617	-5.500	-3.500	•	2.500		5.500	6.138	
				CH 5	9700				

No.	Description I	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn MS	Designed App	proved	Scale (A1 size)	•	I	51 Sheridan Street Cairns Qld 4870
<u>s</u>		Banana	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS	IVIO		1:100		\ DO	T (07) 4281 6897
Revision		SHIRE OF OPPORTUNITY	Title	ANNOTATED CROSS SECTIONS SHEET 47 OF 64	Drawing Chec	ck Design Check RPI	EQ Date	Drawing is not to be used for construction unless approved.		ARU	W www.aroindustries.com.au  ABN: 49 641 461 298

DATUM RL 365.0         \$25.0           DESIGN         \$60.0           SURFACE LEVEL         \$95.0           NATURAL         \$60.0           SURFACE LEVEL         \$95.0           \$87.7         \$87.7           \$88.7         \$88.7           \$89.7         \$89.7		367.918	
NATURAL SS	2		
	368.302	368.292	
DESIGN OFFSET	3.500	5.500	
CH 60200			

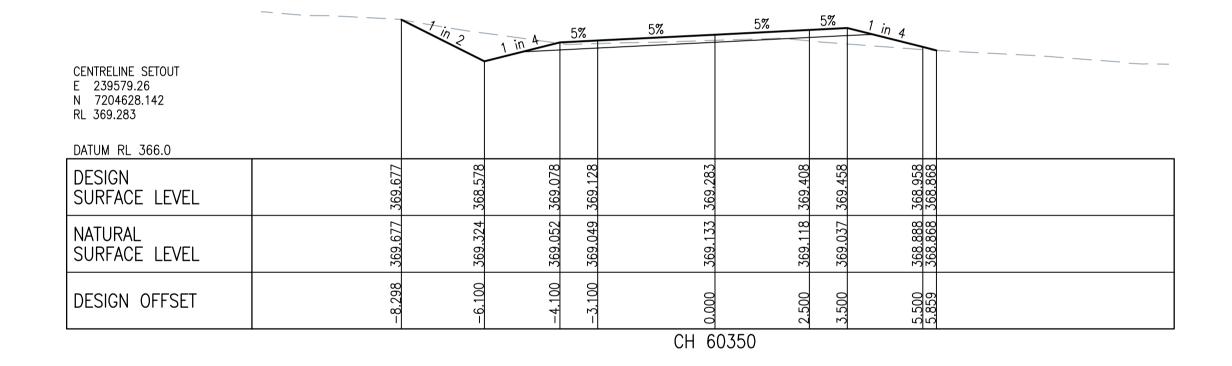
CENTRELINE SETOUT E 239657.618 N 7204865.378 RL 367.356		1 in	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	367.216	366.751	367.251	367 281	<u>'</u>	367 281	•			
NATURAL SURFACE LEVEL	367.216	0.04	367.011	367 099	367.125	710 285	366.931	367 073	367.006	
DESIGN OFFSET	-6.431	-5.500	-3.500	-2 500	•	2 500		5.500		
					CH 6	0100		·		

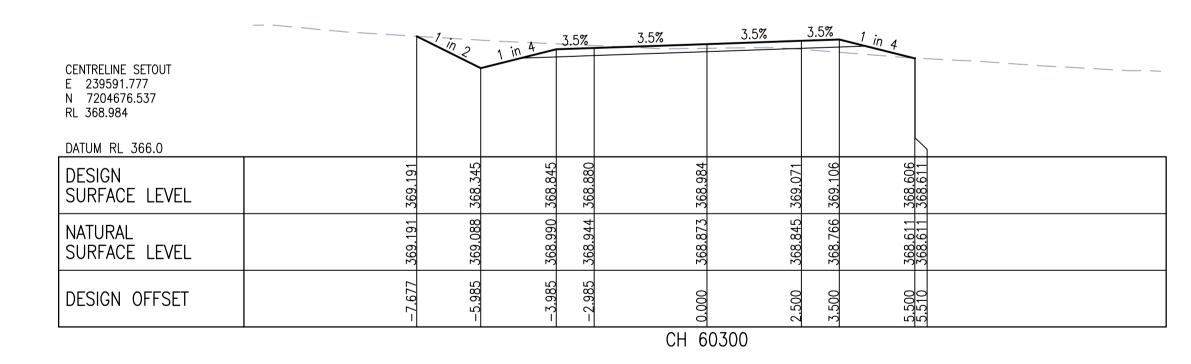
CENTRELINE SETOUT E 239689.768 N 7204960.067 RL 366.782 DATUM RL 364.0		1 10 2	1 in 4	3%	3%	3%	3%	1 in 4 in 2	
DESIGN SURFACE LEVEL	366.969	366.177	366.677	366.707	366.782	366.707	366.677	366.177	
NATURAL SURFACE LEVEL	366.969	366.904	366.550	366.540	366.647	366.663	366.579	366.456	
DESIGN OFFSET	-7.083	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	
					CH 6	0000			



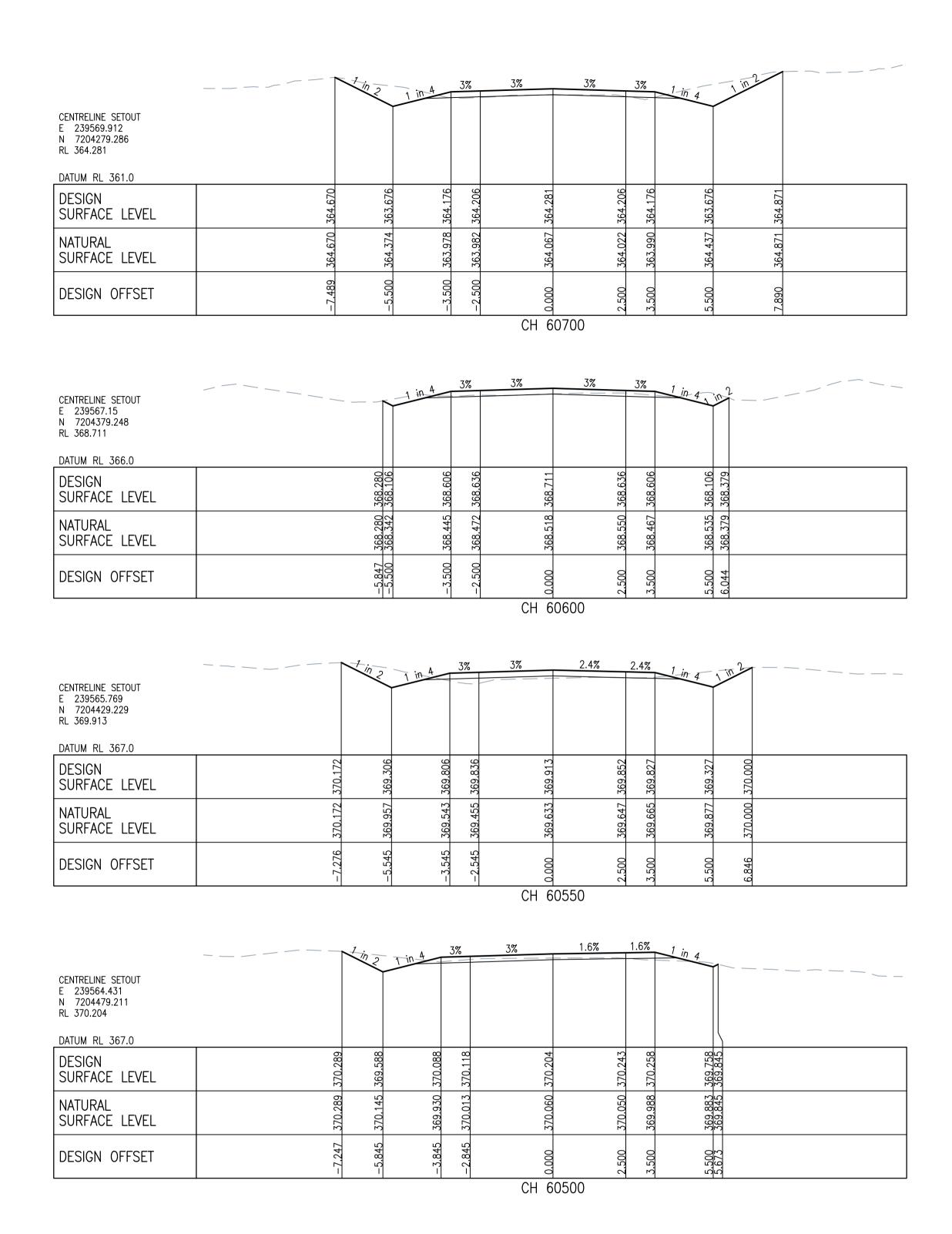
CENTRELINE SETOUT E 239565.546 N 7204529.186 RL 370.248  DATUM RL 367.0		Tin 2	1 in 4	5% _	5%	<u> </u>	5%	1 in 4	— — — _
DESIGN SURFACE LEVEL	370.734	369.543	370.043	370.093	370.248	370.373	370.423	369.923 370.126	
NATURAL SURFACE LEVEL	370.734	370.459	370.204	370.157	370.153	370.251	370.175	370.119 370.126	
DESIGN OFFSET	-8.482		-4.100	-3.100	0000	2.500	3.500	5.500	
		•			CH 6	0450	<u> </u>	, ,	

CENTRELINE SETOUT E 239570.499 N 7204578.928 RL 369.787 DATUM RL 367.0		Tin 2	1 in 4	5%	<u> </u>	<u> </u>	5%	1 in 4	m 2	
DESIGN SURFACE LEVEL	370.298	369.082	369.582	369.632	369.787	369.912	369.962	369.462		
NATURAL SURFACE LEVEL	370.298	369.914	369.579	369.506	369.636	369.739		369.743	$\sim$	
DESIGN OFFSET	-8.531	-6.100	-4.100	-3.100	0.000	2.500		5.500	6.039	
				•	CH 6	0400				





No.	Description	Reviewed Approved Date	Client Logo Client  Project	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved		Scale (A1 size) 1:100		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
LOUIZ 1 TEND	PER ISSUE	23/08/2024	SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 48 OF 64	Drawing Che	ck Design Check	RPEQ	Date	Drawing is not to be used for construction unless approved.	ARU	W www.aroindustries.com.au  ABN: 49 641 461 298



		Vin 2	1 in 4	3%	3%	3%	3%	1 in 4	2		<b>—</b> .	
CENTRELINE SETOUT E 239575.435 N 7204079.363 RL 361.199			1									
DATUM RL 358.0												
DESIGN SURFACE LEVEL	761 254	360.594	361.094	361.124	361.199	z61 124		360.594				
NATURAL SURFACE LEVEL	361 25 <u>4</u>	361.371	360.868	360.845	360.944	760 880	360.854	360.980	360.990			
DESIGN OFFSET	- A 8 9 7 1	-5.500	-3.500	-2.500	0.000	2 500	3.500	5.500	6.292			
					CH 6	0900						
		1 in	2 1 in 4	3%	3%	3%	3%	1 in 4	. 2		. — — -	
CENTRELINE SETOUT E 239574.054 N 7204129.344 RL 361.083			2									
DATUM RL 358.0	1				~	~						
DESIGN SURFACE LEVEL		360.809	360.978	361.008	361			360.478				
NATURAL SURFACE LEVEL		360.809	360.855	360.716		760 820	360.794	360.840	360.768			
DESIGN OFFSET		-6.162 -5.500	-3.500	-2.500	0.000	2 500	3.500	5.500	080.9			
					CH 6	0850						
		_1		3%	3%	3%	3%	4	0			
CENTRELINE SETOUT E 239572.673 N 7204179.325 RL 361.86		7/10/2	1 in 4					1 in 4	in L			
DATUM RL 359.0		2 10	10	-0		10	10	10				
DESIGN SURFACE LEVEL		361.255	361.755	361.785	361	787 785		361.255	361.751			
NATURAL SURFACE LEVEL	00 00 00 00 00 00 00 00 00 00 00 00 00	361.910	361.648	361.446		361 671	361.576	361.587	361.751			
DESIGN OFFSET	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	-6.733	-3.500	-2.500	0.000	2500	3.500	5.500	6.492			
			·		CH 6	0800						
CENTRELINE SETOUT E 239571.292 N 7204229.306 RL 362.806		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4		_ — —		~ ~
DATUM RL 360.0	1								200			
DESIGN SURFACE LEVEL		362.680 362.201	362.701	362.731	362.806	757 232	362.701	362.201	362.35			

CH 60750

# 0 1 2 3 4 5m SCALE 1:100 (A1)

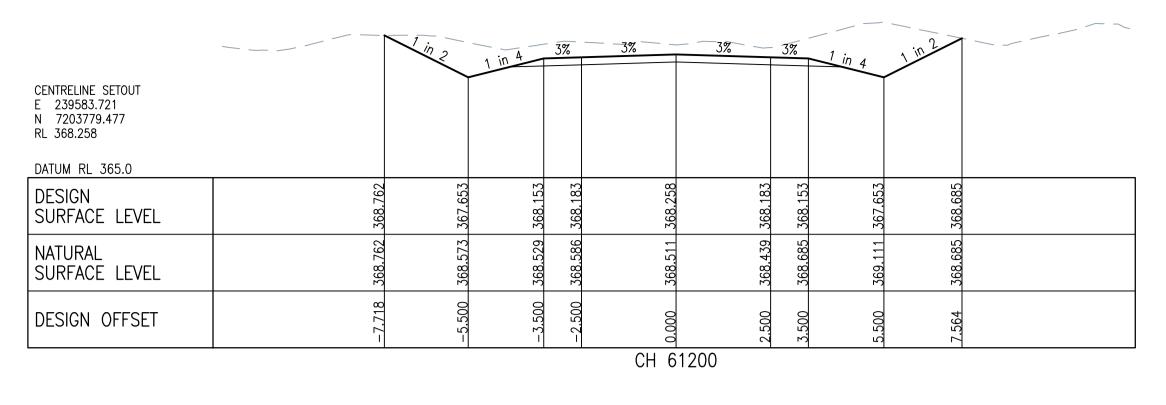
# TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date	Client Logo Client Project	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved		Scale (A1 size) 1:100		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Revision 1 TENI	DER ISSUE	23/08/2024	SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 49 OF 64	Drawing Che	ck Design Check	RPEQ	Date	Drawing is not to be used for construction unless approved.	ARU	W www.aroindustries.com.au  ABN: 49 641 461 298

Drawing No.

NATURAL SURFACE LEVEL

DESIGN OFFSET

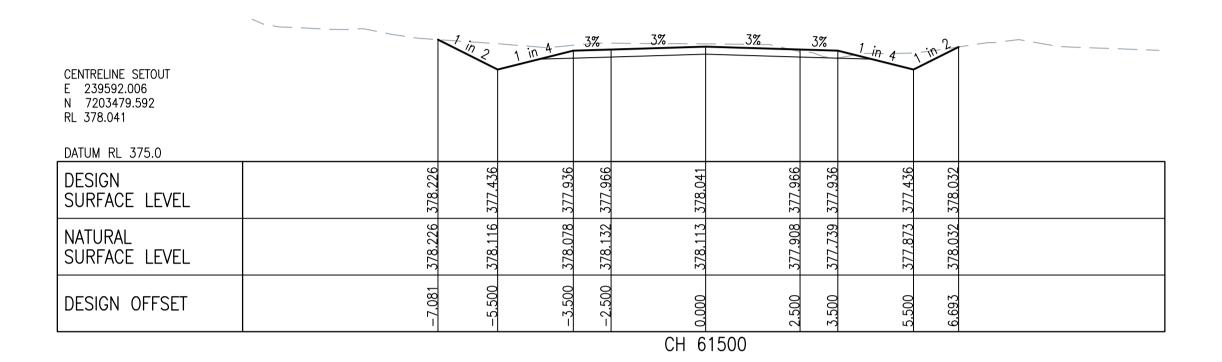


CENTRELINE SETOUT E 239580.959 N 7203879.439 RL 365.226  DATUM RL 361.0		in 4	in 4	3%	<u> </u>	3%	3%	1 in 4	1 in 4	
DESIGN SURFACE LEVEL	364.401		365.121	365.151	365.226	365.151	365.121	364.621		
NATURAL SURFACE LEVEL	364.401		365.009	365.030	365.069	364.984	364.898	363.111	363.814	
DESIGN OFFSET	-6.382		-3.500	-2.500	000.0	2.500	3.500	5.500	8.778	
					CH 6	1100				

CENTRELINE SETOUT E 239579.578 N 7203929.42 RL 364.308		I in 2	1 in 4	3%	3%	3%	3%	1 in 4	:n 2	
DATUM RL 361.0										
DESIGN SURFACE LEVEL	364.851	363.703	364.203	364.233	364.308	364.233	364.203	363.703	364.064	
NATURAL SURFACE LEVEL	364.851	364.773	364.277	364.115	364.201	364.193	-	364.033	364.064	
DESIGN OFFSET	7677-	-5.500	-3.500	-2.500	0000	2.500	3.500	5.500	6.222	
	•				CH 6	1050				

CENTRELINE SETOUT E 239578.197 N 7203979.401 RL 363.26 DATUM RL 360.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	363.474	362.655	363.155	363.185	363.260	363.185	363.155	362.655	362.844
NATURAL SURFACE LEVEL	363.474	363.357	363.025	362.845	362.953	362.945	362.887		362.844
DESIGN OFFSET	-7.139	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	5.878
					CH 6	1000			

CENTRELINE SETOUT E 239594.768 N 7203379.63 RL 381.301 DATUM RL 378.0		1 in	1 in 4	3% -	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	381 223	380.696	381.196	•	381.301		381.196	380.696	381.240	
NATURAL SURFACE LEVEL	381 223	381.020	•		381.233		381.040	τ.	381.240	
DESIGN OFFSET	- የተ	-5.500	-3.500	-2.500	000.0	2.500	3.500	5.500	6.587	
					CH 6	1600				

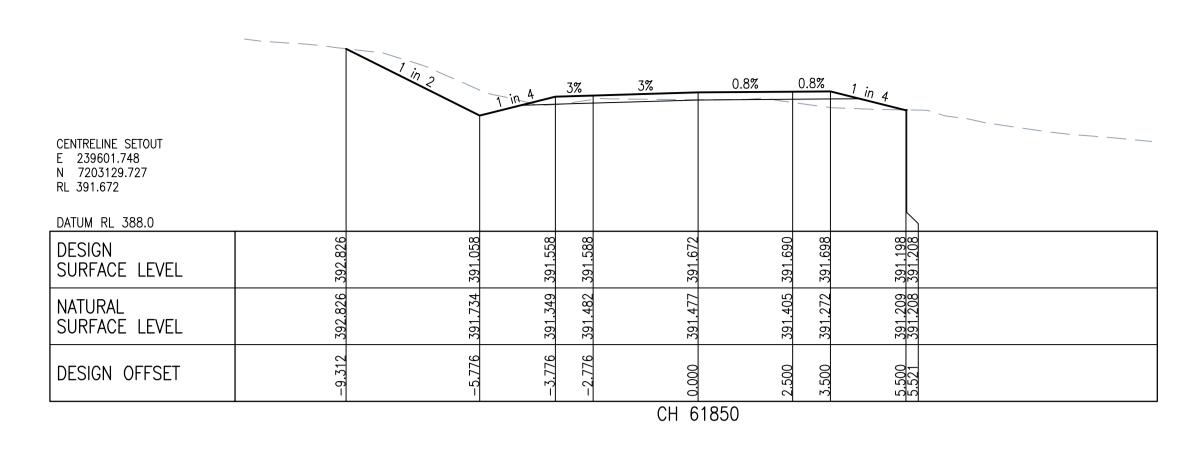


CENTRELINE SETOUT E 239589.244 N 7203579.553 RL 374.78		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL		374.790	374.675	374.705	374.780	374.705	374.675	374.175	375,160	
NATURAL SURFACE LEVEL		374.790	374.717	374.798	374.806	374.568	374.638	374.962	.375,160	
DESIGN OFFSET		-6.731	-3.500	-2.500	0.000	2.500	3.500	5.500	7,471	
•	•	·		•	CH 61	1400	•			

CENTRELINE SETOUT E 239586.483 N 7203679.515 RL 371.519  DATUM RL 368.0		1 in	1 in 4	3%	3%	3%	3%	1 in 4	1 m 2	
DESIGN SURFACE LEVEL	71 740	1 의	371.414	371.444	371.519	371.444	371.414	370.914	371.543	
NATURAL SURFACE LEVEL	271 240	1 4	371.448	371.454	371.462	371.198	371.243	371.462	371.543	
DESIGN OFFSET	_6 170		-3.500	-2.500	0.000	2.500	3.500	5.500	6.757	
					CH 6130	0			·	

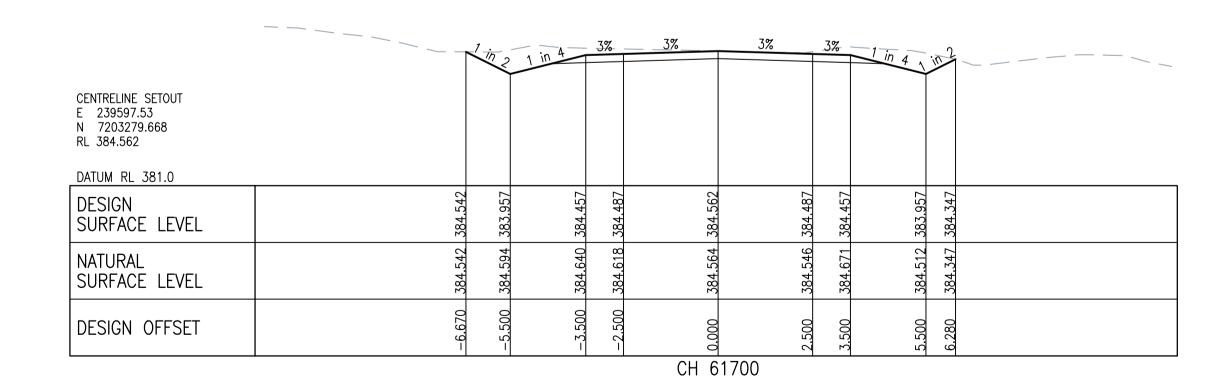
# TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn MS	Designed MS	Approved	Scale (A1 size)	•	51 Sheridan Street Cairns Qld 4870
<u>8</u>		Banar	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS	IVIO		1:100	······································	T (07) 4281 6897
Vevision		SHIRE OF OPPORT	Title	ANNOTATED CROSS SECTIONS SHEET 50 OF 64	Drawing Chec	k Design Check	RPEQ	Date  Drawing is not to be used for construction	AR	W www.aroindustries.com.au  ABN: 49 641 461 298
1 TENDER ISSU	E	- 23/08/2024	W.1.11.					unless approved.		ADN: 49 041 401 29

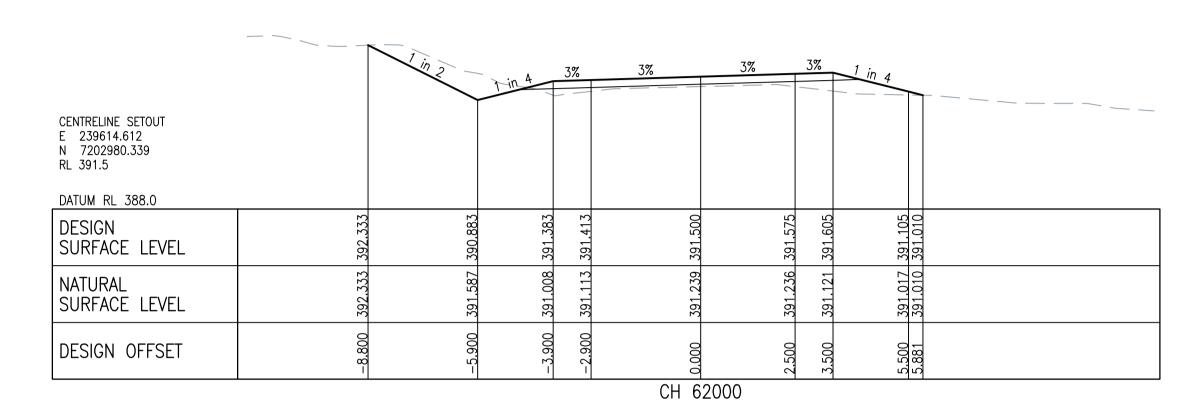


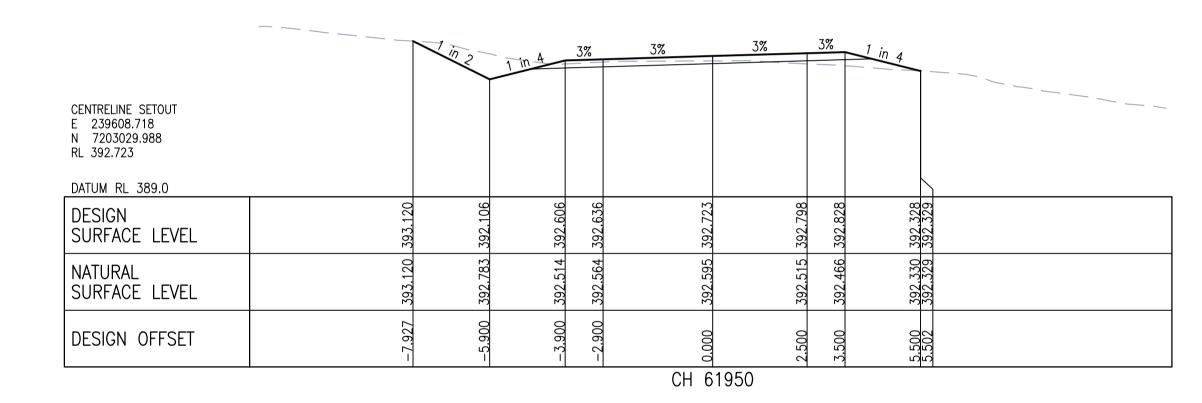
CENTRELINE SETOUT E 239600.292 N 7203179.706 RL 388.976 DATUM RL 386.0	1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	390.047	388.871	388.901	388.976	388.901	388.871	388.371 388.571	C/C.000
NATURAL SURFACE LEVEL	390.047	388.621	388.616	388.698	388.691	388.685		070.000
DESIGN OFFSET		-3.500	-2.500	000.0		3.500		000
				CH 6	1800			

CENTRELINE SETOUT E 239598.911 N 7203229.687 RL 386.447  DATUM RL 383.0		1 in ?	y in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	386.805	385.842	386.342	386.372	386.447	386.372	386.342	385.842	386.192	
NATURAL SURFACE LEVEL	386.805	386.338	386.058	386.100	386.170	385.997	386.070	386.183	386.192	
DESIGN OFFSET	-7.427	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		
					CH 6	1750				



CENTRELINE SETOUT E 239622.104 N 7202930.905 RL 390.16 DATUM RL 387.0		Tin 2	1 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	391.120	389.543	390.043	390.073	390.160	390.235	390.265	389.765 389.824	
NATURAL SURFACE LEVEL	391.120	390.580	390.101	389.891	390.022	390.046	389.926	389.819 389.824	
DESIGN OFFSET	-9.053	-5.900	-3.900	-2.900	0.000	2.500	3.500	5.500 5.618	
			·		CH 6:	2050			





		1-10-2	1 in 4	3%	3%	3%	3%	1 in 4	_		
CENTRELINE SETOUT E 239604.429 N 7203079.802 RL 392.756										1 in 4	
DATUM RL 388.0											
DESIGN SURFACE LEVEL	393,259	392.139	392.639	392.669	392.756	392.831	392.861	392.361			
NATURAL SURFACE LEVEL	393,259	392.718	392.519	392.563	392.531	392.302	392.154	391.484			
DESIGN OFFSET	-8.140	-5.900	-3.900	-2.900	0.000	2.500	3.500	5.500			
					CH 6	1900					

# TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date	Client Logo Client  Project	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	Sc	Scale (A1 size) 1:100	••••		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Revision 1 TENDER	ISSUE	23/08/2024	SHIRE OF OPPORTUNITY	ANNOTATED CROSS SECTIONS SHEET 51 OF 64	Drawing Che	ck Design Check	RPEQ		Drawing is not to be used for construction unless approved.		ARU	E admin@aroindustries.com.au W www.aroindustries.com.au  ABN: 49 641 461 298

CENTRELINE SETOUT E 239667.873 N 7202736.356 RL 391.44 DATUM RL 388.0		1 in 4	3%	3% 3%	3%	1 in 4	 
DESIGN SURFACE LEVEL	391 652		391.323	391.440	5.	391.045 391.192	
NATURAL SURFACE LEVEL	391 652		391.510	391.117		391.179 391.192	
DESIGN OFFSET	7.558	-5.900	-5.900 -2.900	0000		5.500	
				CH 62250			

CENTRELINE SETOUT E 239654.083 N 7202784.414 RL 390.56		1 in 4 3%	3% 3%	3% 1 in 4	1 in 4	
DESIGN SURFACE LEVEL	390.762	44 47	390.560	390.665	390.165	
NATURAL SURFACE LEVEL	390.762	390.252	390.307	390.332	390.097	
DESIGN OFFSET	-7.537	1 1	0.000		5.500	
			CH 62200			

CENTRELINE SETOUT E 239641.85 N 7202832.892 RL 390.186 DATUM RL 387.0		1 in 2	1 in A	3%	3%	3%	3%	1 in 4		
DESIGN SURFACE LEVEL	391.205	389.569	390.069	390.099	390.186	390.261	390.291	<u> </u>	00000	
NATURAL SURFACE LEVEL	391.205	390.977	390.246	390.019	389.947	390.051	390.009	389.797	6000	
DESIGN OFFSET	-9.173	-5.900	-3.900	-2.900	0.000	2.500	3.500	5.500	7000	
					CH 6:	2150				

CENTRELINE SETOUT E 239631.186 N 7202881.739 RL 389.844 DATUM RL 386.0		1 in 2	1 in A	3%	3%	3%	3%	1 in 4	7 102	
DESIGN SURFACE LEVEL	390.534	389.227	389.727	389.757	389.844	389.919	389.949	389.449	390.194	
NATURAL SURFACE LEVEL	390.534	390.979	390.329	389.948	389.744	389.803	389.751	389.939	390.194	
DESIGN OFFSET	- 8.513	-5.900	-3.900	-2.900	0.000	2.500	3.500	5.500	6.989	
					CH 62	100				

CENTRELINE SETOUT E 239757.557 N 7202503.264 RL 395.736	2.1% 2.1% 1 in 4
DESIGN	789 121 121 121 121 121 121 121 121 121 12
SURFACE LEVEL	395.484 395.736 395.736 395.310 395.433
NATURAL	395.484 395.406 395.406 395.415 395.415 395.415 395.415
SURFACE LEVEL	7 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
DESIGN OFFSET	-5.844 -5.844 -2.844 -2.844 -2.844 -2.844 -2.844 -2.844
	CH 62500

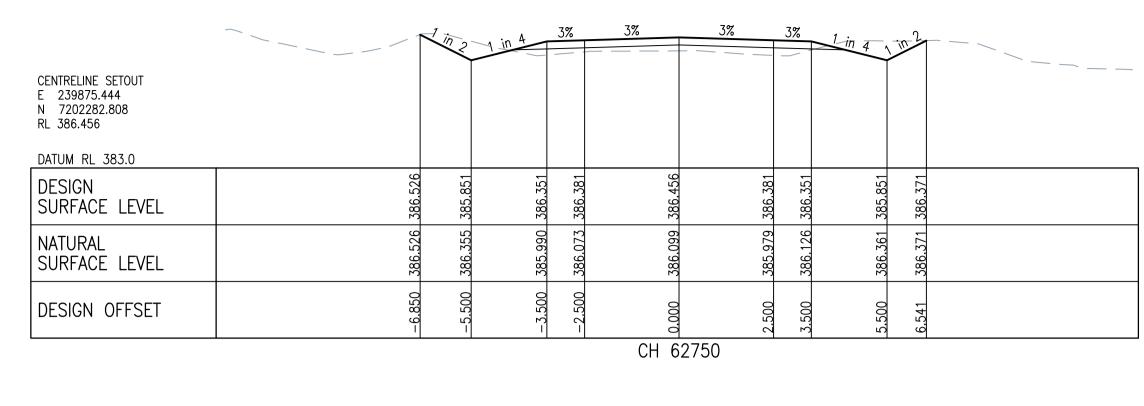
CENTRELINE SETOUT E 239736.315 N 7202548.521 RL 397.548		1 in 4	3%	3%	3% 3%	1 in 4 10 2	
DATUM RL 394.0  DESIGN SURFACE LEVEL	398.329	396.931	397.431	397.548	397.623	397.153	
NATURAL SURFACE LEVEL	398.329	397.848	397.511	397.552	397.557	397.399	
DESIGN OFFSET	-8.694	-5.900	-3.900	000.0	2.500	5.500	
				CH 62450	)		

CENTRELINE SETOUT E 239717.362 N 7202594.784 RL 396.521 DATUM RL 393.0		Tin 4	3% 3%		3%	3% 1 in 4	- in 2	
DESIGN SURFACE LEVEL	397.371	396.404	396.434	396.521	396.596		396.726 396.744	
NATURAL SURFACE LEVEL	397.371	396.168	396.236	396.293	396.265	396.274	396.684 396.744	
DESIGN OFFSET	-8.835	-3.900	-2.900	0.000	2.500		5.500	
				CH 6240	00			

CENTRELINE SETOUT E 239683.207 N 7202688.767 RL 393.001	1 in 2	1 in	A 3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	394.211	392.384	392.884	393.001	393.076	393.106	392.606	393.336	
NATURAL SURFACE LEVEL	394.211	393.844	393.319	392.651	392.688	392.644	392.934	393.336	
DESIGN OFFSET	-9.553	-5.900	-3.900	0.000	2.500	3.500	5.500	6.960	
				CH 6:	2300				

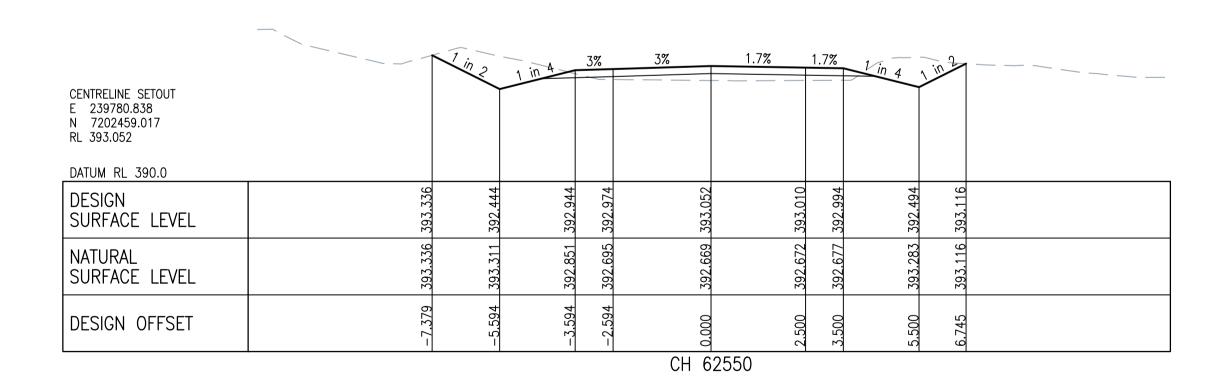
# TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn Designed	Approved		Scale (A1 size)	•		51 Sheridan Street Cairns Qld 4870
w		Banana	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	MS MS			1:100	••••	<b>ADO</b>	T (07) 4281 6897
Revision	IDER ISSUE	SHIRE OF OPPORTUNIT	Title	ANNOTATED CROSS SECTIONS SHEET 52 OF 64	Drawing Check Design Check	RPEQ	Date	Drawing is not to be used for construction unless approved.		ARU	E admin@aroindustries.com.au W www.aroindustries.com.au ABN: 49 641 461 298



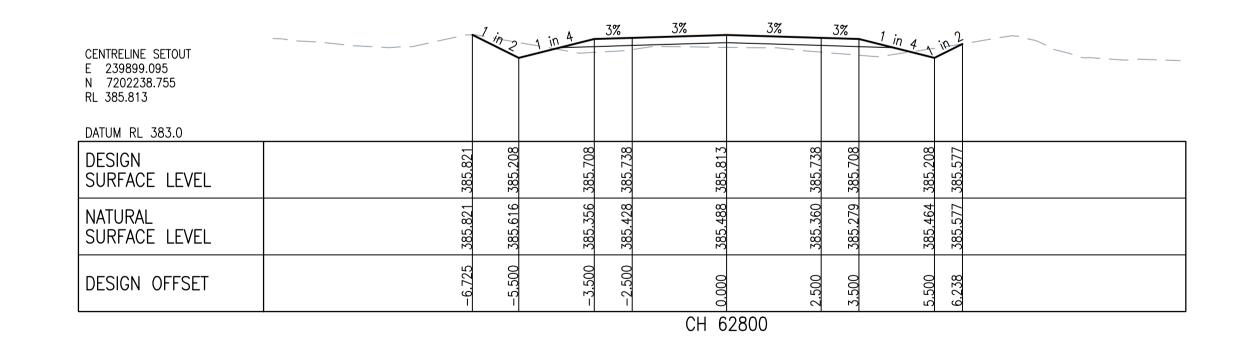
CENTRELINE SETOUT E 239851.793 N 7202326.86 RL 387.656		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	387.956	387.051	387.551	387.581	387.656	387.581		387.051	387.639	
NATURAL SURFACE LEVEL	387.956	387.491	387.180	387.263	387.302	387.230	. 1	387.787		
DESIGN OFFSET	-7.310	-5.500	-3.500	-2.500	0000	2.500		5.500	6.677	
					CH 6	2700				

CENTRELINE SETOUT E 239804.49 N 7202414.965 RL 391.027		1 in 2	1 in 4	3%	3%	3% 	3%	1 in 4	in 2	
DATUM RL 388.0										
DESIGN SURFACE LEVEL	391.226	390.422	390.922	390.952	391.027	390.952	390.922	390.422	390.941	
NATURAL SURFACE LEVEL	391.226	390.813	390.730	390.841	390.687	390.642	390.537	390.986	390.941	
DESIGN OFFSET	-7.107	-5.500	-3.500	-2.500	0.000	2.500		5.500		
					CH 6	2600				



CENTRELINE SETOUT E 239993.958 N 7202062.684 RL 388.615		Tin 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DATUM RL 386.0										
DESIGN SURFACE LEVEL	388.913	388.010	388.510	388.540	388.615	388.540	388.510	388.010	388.670	
NATURAL SURFACE LEVEL	388.913	388.845	388.304	388.121	388.143	388.142	388.111	388.644	388.670	
DESIGN OFFSET	-7.306	-5.500	-3.500	-2.500	0000	2.500	3.500	5.500	6.819	
					CH 63	3000				

CENTRELINE SETOUT E 239946.505 N 7202150.708 RL 385.667		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 m 2	
DATUM RL 363.0										
DESIGN SURFACE LEVEL	385.725	385.062	385.562	385.592	385.667	385.592	385.562	385.062	385.658	
NATURAL SURFACE LEVEL	385,725	385.633	385.368	385.433	385.487	385.431	385.369	385.600	385.658	
DESIGN OFFSET	-6.828	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		
					CH 6	2900				

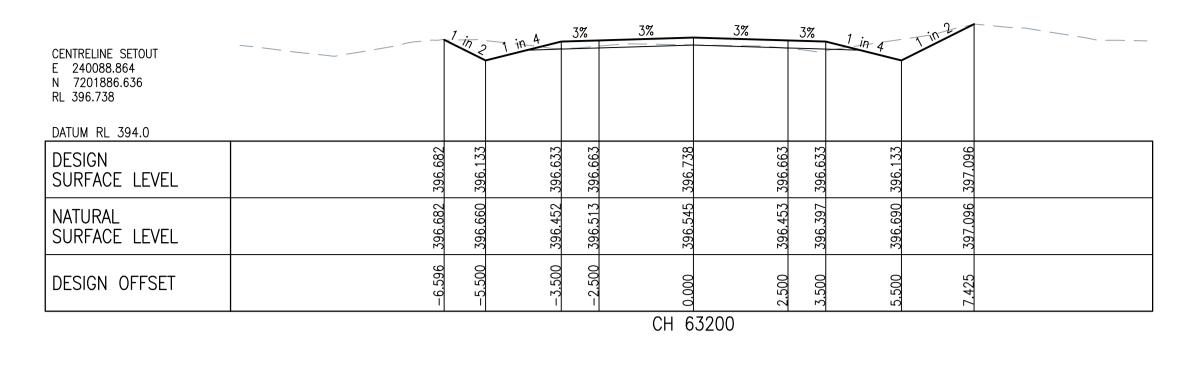


### TENDER ISSUE ONLY

No.	Description Reviewed	Approved Date	Client Logo	Client	BANANA SHIRE COUNCIL	Drawn MS	Designed MS	Approved	Scale (A1 size)	•		51 Sheridan Street Cairns Qld 4870
Δ			Banana	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIO	IVIO		1:100	••••	\ DO	T (07) 4281 6897
evision			SHIRE OF OPPORTUNITY	Title	ANNOTATED CROSS SECTIONS SHEET 53 OF 64	Drawing Che	ck Design Che	eck RPEQ	Date Drawing is not to be used for construction		ANU	W www.aroindustries.com.au
1 TENDER ISSUE	-	- 23/08/2024	1						unless approved.	•		ABN: 49 641 461 298

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Drawing No.



CENTRELINE SETOUT E 240065.138 N 7201930.648 RL 394.366  DATUM RL 391.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4 1	in 2	
DESIGN SURFACE LEVEL	394.459	393.761	394.261	394.291	394.366	394.291	394.261	393.761	394.129	
NATURAL SURFACE LEVEL	394.459	394.225	393.887	393.944	394.028	393.990	393.998	394.322	394.129	
DESIGN OFFSET	968.9–	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.236	
					CH 6	3150				

CENTRELINE SETOUT E 240041.411 N 7201974.66 RL 392.264  DATUM RL 389.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2		
DESIGN SURFACE LEVEL	392.153	391.659	392.159	392.189	392.264	392.189	392.159	391,659	•	-	
NATURAL SURFACE LEVEL	392.153	392.218	392.330	392.001	392.051	392.043	391.937		4		
DESIGN OFFSET	-6.489	-5.500	-3.500	-2.500	000.0	2.500		5.500			
					CH 6	3100					

CENTRELINE SETOUT E 240017.685 N 7202018.672 RL 390.322 DATUM RL 387.0		1 th 2	1 in 4	3%	3%	3%	3%	1-in-4	:n 2	
DESIGN SURFACE LEVEL	390.950	389.717	390.217	390.247	390.322	390.247	390.217	389.717	390.026	
NATURAL SURFACE LEVEL	390.950	390.399	389.949	389.892	390.008	389.986	390.067	390.049	390.026	
DESIGN OFFSET	996.2—	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.118	
					CH 63	050				

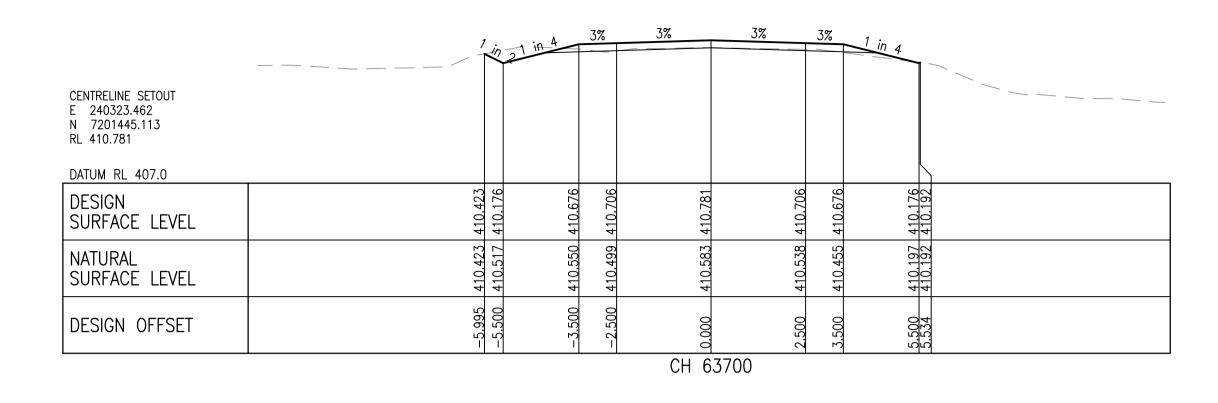
CENTRELINE SETOUT E 240181.075 N 7201709.17 RL 409.355		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	_ — —	. — —
DESIGN SURFACE LEVEL	409.537	408.750	409.250	409.280	409.355	409.280		408.750	409.572		
NATURAL SURFACE LEVEL	409.537	409.548	409.179	409.043	409.166	409.142	0	409.156	409.572		
DESIGN OFFSET	-7.073	-5.500	-3.500	-2.500	0.000	2.500		5.500	7.144		
					CH 6	3400					

CENTRELINE SETOUT E 240157.824 N 7201753.434 RL 405.534		1 in	2 1 in 4	3%	3%	3%	3%	1 in 4 \	in 2	
DESIGN SURFACE LEVEL	405 342		405.429	405.459	405.534	405.459	405.429	404.929	405.335	
NATURAL SURFACE LEVEL	405 342		405.300	405.315	405.352	405.357		405.473	405.335	
DESIGN OFFSET	-6.305		-3.500	-2.500	0.000	2.500	3.500	5.500	6.312	
					CH 6	3350				

CENTRELINE SETOUT E 240135.131 N 7201797.987 RL 402.211 DATUM RL 399.0		1 in	2 1 in 4 3%			3%	3%	1 in 4	1 in 2		
DESIGN SURFACE LEVEL	401 956	• •		402.136	402.211	402.136	402.106	401.606	402.395		
NATURAL SURFACE LEVEL	401 956	1 1	6.1	402.100	402.104	402.077	402.040	402.225	402.395		
DESIGN OFFSET	0029		-3.500	-2.500	0.000	2.500	3.500	5.500	7.079		
	,				CH 63	300	•				

CENTRELINE SETOUT E 240112.334 N 7201842.488 RL 399.423 DATUM RL 396.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	7 in 2	
DESIGN SURFACE LEVEL	390 395	+ +	399.318	399.348	399.423	399.348	399.318	398.818	400 228	
NATURAL SURFACE LEVEL	300 305		399.298	399.376	399,412	399.292	399.465	399,993	400 228	
DESIGN OFFSET	1 1 1		-3.500	-2.500	0.000	2.500	3.500	5.500	0 30U	4
				•	CH 6	3250				

Banana Project DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	MS MS	1:100		Cairns Qld 4870
				T (07) 4281 6897
SHIRE OF OPPORTUNITY  1 TENDER ISSUE  Title  ANNOTATED CROSS SECTIONS SHEET 54 OF 64	Drawing Check   Design Check   RPEQ   [	Drawing is not to be used for construction unless approved.	ARO	W www.aroindustries.com.au  ABN: 49 641 461 298

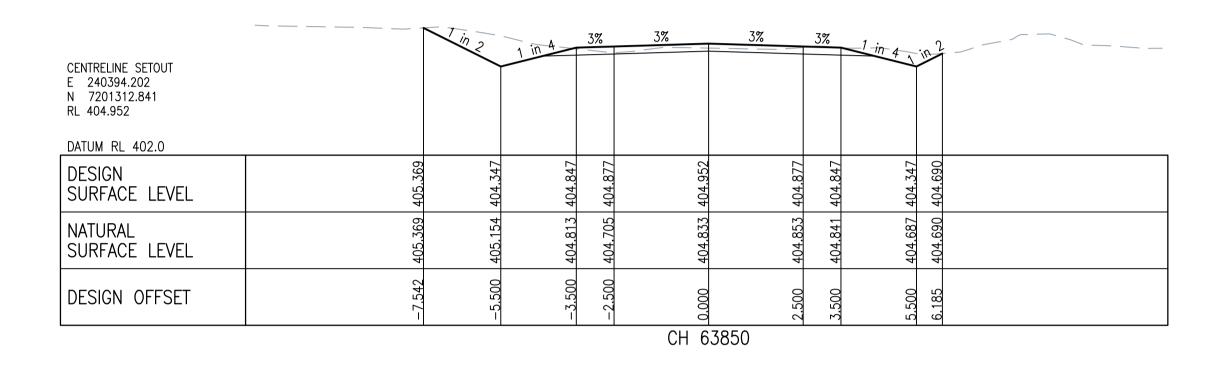


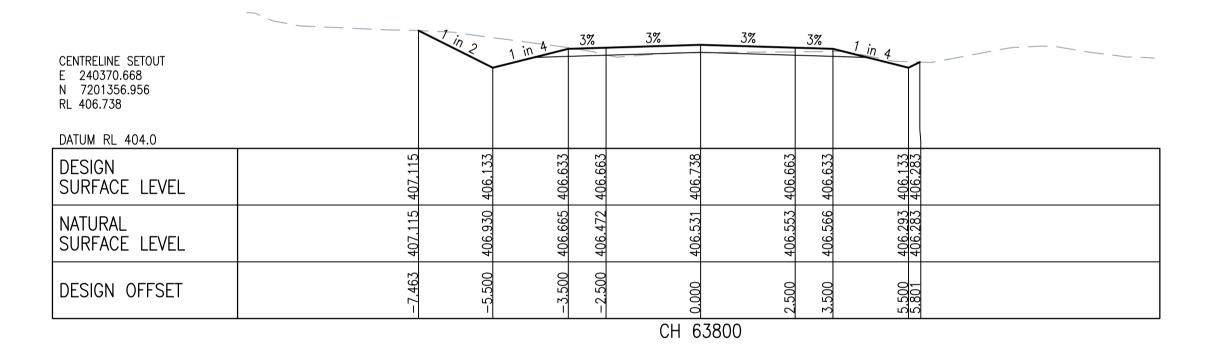
CENTRELINE SETOUT E 240275.997 N 7201533.13 RL 416.152		1 in 2	1 in 4	3%	3%	3%	3%_	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	417.749	415.547	416.047	416.077	416.152	416.077	416.047	415.547	416.694	
NATURAL SURFACE LEVEL	417.749	417.216	415.945	415.921	415.958	415.898	416.202	416.728	9	
DESIGN OFFSET	-9.905	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	7.795	
					CH 6	3600				

CENTRELINE SETOUT E 240228.532 N 7201621.148 RL 414.927	 	21 in 4	3%	3% 3%		3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL		414.822	414.852	414.927	414.852	414.822	414.322		
NATURAL SURFACE LEVEL	414.677	414.665	414.731	414.752	414.612	414.698	415,425		
DESIGN OFFSET		-3.500	-2.500	0.000	2.500	3.500	5.500		
	•		•	CH 63500	•				

CENTRELINE SETOUT E 240204.799 N 7201665.156 RL 412.631 DATUM RL 410.0		1 in	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	412.521	412.026	412.526	412.556	412.631	412.556	412.526	412.026	413.330	
NATURAL SURFACE LEVEL	412.521	412.450	412.165	412.326	412.324	412.223	412.360	412,820		
DESIGN OFFSET	-6.489	-5.500	-3.500	-2.500	0.000	2.500		5.500		
					CH 6	3450				

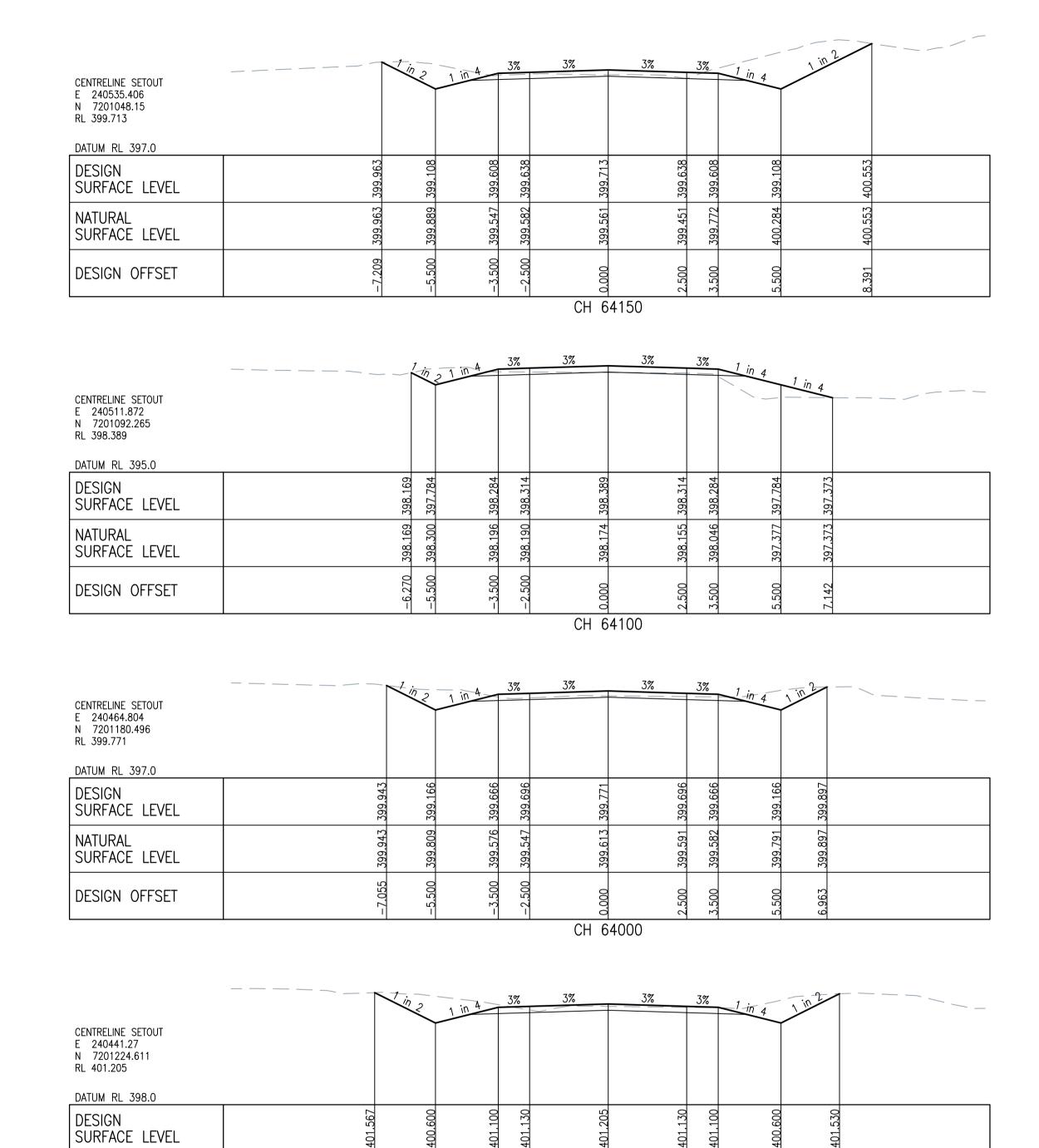
CENTRELINE SETOUT E 240417.736 N 7201268.726 RL 403.01		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 m 2	 	
DESIGN SURFACE LEVEL	403.041	402.405	402.905	402.935	403.010	402.935	402.905	402.405			
NATURAL SURFACE LEVEL	40.3.041	402.960	403.100	402.893	402.819	402.832	402.779	402.955	403.046		
DESIGN OFFSET	-6 771	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.781		
					CH 63900	)					





CENTRELINE SETOUT E 240347.134 N 7201401.072 RL 408.509  DATUM RL 405.0		1 in	2 1 in 4	3%	<i>576</i>	3%	1 in 4 in	
DESIGN SURFACE LEVEL	902 00V	1	ി തി	408.434	408.509	408.434	408.404	<u> </u>
NATURAL SURFACE LEVEL	902 001	408.370	747	408.290	408.367	408.333	408.193 408.193	<u> </u>
DESIGN OFFSET	0 0	-5.500	-3.500	-2.500	_4	-1	5.500	
					CH 63750			

No.	Description Reviewed Approved Date	Client Logo Clier	BANANA SHIRE COUNCIL	Drawn Design	ned Approved MS	Scale (A1 size)	•		51 Sheridan Street Cairns Qld 4870
ω		Banana	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS I	IVIO	1:100	•••••		T (07) 4281 6897
vision		SHIRE	ANNOTATED CROSS SECTIONS SHEET 55 OF 64	Drawing Check Design	gn Check RPEQ [	Date Drawing is not to be used for construction	· · · · · · · · · · · · · · · · · · ·	ARU	W www.aroindustries.com.au
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CH 63950

Drawing No.

CENTRELINE SETOUT E 240700.144 N 7200739.343 RL 409.21		1 in 2	1 in 4	3%	3%	3%	3%	1-in 4	1 in 2	 	_ — -
DESIGN SURFACE LEVEL	409.304		409.105	409.135	409.210	409.135	409.105	408.605	409.333		
NATURAL SURFACE LEVEL	409.304		408.907	408.940	408.918	408.904	409.012	409.337	409.333		
DESIGN OFFSET	99 99 99	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.955		
				•	CH 645	00					

CENTRELINE SETOUT E 240653.076 N 7200827.574 RL 406.565		1 in	in 4 3	5%	3% 3%	3%	1 in 4	1 1 2	
DATUM RL 403.0	1								
DESIGN SURFACE LEVEL	406 390		406,460	406.490	406.565	064.604		406 567	]
NATURAL SURFACE LEVEL	406 390	406.358		406.282	406.287	106.137	30	406 567	•
DESIGN OFFSET	- 6 76.1			-2.500	0.000		5.500	6 714	
				•	CH 64400				

CENTRELINE SETOUT E 240606.008 N 7200915.804 RL 403.973		1 10 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	404.213	403.368	403.868	403.898	403.973	403.898	403.868	403.368	4	
NATURAL SURFACE LEVEL	404.213	404.004	403.695	403.651	403.677	403.656	403.591	403.823	404.017	
DESIGN OFFSET	-7.191	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.798	
					CH 6	4300				

CENTRELINE SETOUT E 240558.94 N 7201004.035 RL 401.342 DATUM RL 398.0		Tin 2	1 in 4	3%	3%	3%	3%	1 in 4	1 111 2	
DESIGN SURFACE LEVEL	401.668	0.7	401.237	401.267	401.342	401.267		400.737	402 086	
NATURAL SURFACE LEVEL	401.668		401.160	401.174	401.205	401.329		401.349	402 086	
DESIGN OFFSET	-7.361	-5.500	-3.500	-2.500	0.000	2.500		5.500	8 197	
		•			CH 64	4200				

#### 0 1 2 3 4 5m SCALE 1:100 (A1)

NATURAL SURFACE LEVEL

DESIGN OFFSET

#### TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn Designed	Approved	Scale (A1 size)		I	51 Sheridan Street Cairns Qld 4870
σ		Ban	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	MI2 MI2		1:100		I A D O	T (07) 4281 6897
Revisions		SHIRE OF O	SHIRE	ANNOTATED CROSS SECTIONS SHEET 56 OF 64	Drawing Check Design Check	ck RPEQ	Date  Drawing is not to be used for construction		ARU	W www.aroindustries.com.au
PZ   1	TENDER ISSUE	- 23/08/2024	TO KI GIVITI				unless approved.	•	1	ABN: 49 641 461 298

ARO0400-C105

CENTRELINE SETOUT E 240841.865 N 7200474.931 RL 416.789 DATUM RL 414.0		1 111 2	in 4	3%	3%	3%	3%	1 in 4	:m 2	
DESIGN SURFACE LEVEL	416.792	416.184	416.684	416.714	416.789	416.714	416.684	416.184	416.608	
NATURAL SURFACE LEVEL	416.792	416.649	416.538	416.587	416.585		416.556	416.609	416.608	
DESIGN OFFSET	-6.716	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.348	
					CH 6	4800				

CENTRELINE SETOUT E 240817.972 N 7200518.853 RL 415.749 DATUM RL 413.0		in	21 in 4	3%	3% 	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	415.423	5	415.644	415.674	415.749	415.674	.64	415.144	415 508	
NATURAL SURFACE LEVEL	415.423		415.548	415.588	415.568	415.498		415.510	415 598	
DESIGN OFFSET	-6.059	-5.500	-3.500	-2.500	000.0	2.500		5.500	6 408	
					CH 6	4750				

CENTRELINE SETOUT E 240794.279 N 7200562.883 RL 414.63		1 in 2	1 in 4 3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	414.882	414.025	414.525	414.630	414.555	414.525	414.025	414.835	
NATURAL SURFACE LEVEL	414.882	414.715	414.533	414.521	414.518	414.663	414.866	414.835	
DESIGN OFFSET	-7.215	-5.500	-3.500	0.000	2.500	3.500	5.500	7.121	
			•	CH 6	4700				

CENTRELINE SETOUT E 240747.212 N 7200651.113 RL 412.187  DATUM RL 409.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	 	. — —
DESIGN SURFACE LEVEL	412,240	411.582	412.082	412.112	412.187	412.112	412.082	411.582	412.492		
NATURAL SURFACE LEVEL	412.240	412.103	411.944	411.987	412.025	411.969	412.156	412.398	412.492		
DESIGN OFFSET	-6.816	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	7.320		
					CH 6460	00					

CENTRELINE SETOUT E 240723.678 N 7200695.228 RL 410.741  DATUM RL 408.0	 7	in 2	1 in 4	3%	3% 3%	3%	1-in 4	7 in 2	_
DESIGN SURFACE LEVEL	410.694	410.136	410.636	410.666	410.741	410.636	410.136	410.942	
NATURAL SURFACE LEVEL	410.694	410.554	410.415	410.463	410.476	410.501	410.788	410.942	
DESIGN OFFSET	-6.617	-5.500	-3.500	-2.500	0.000	3.500	5.500	7.112	
					CH 64550				

CENTRELINE SETOUT E 240959.373 N 7200254.272 RL 424.002 DATUM RL 421.0		1/10 2	1 in 4	3%	3% 3%_	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	424.527	423.397	423.897	423.927	424.002	423.927	423.397	423.924	
NATURAL SURFACE LEVEL	424.527	424.116	423.786	423.932	423.938	423.986		423.924	
DESIGN OFFSET	-7.760	-5.500	-3.500	-2.500	0.000	2.500		6.554	
					CH 65050				

CENTRELINE SETOUT E 240935.989 N 7200298.467 RL 422.677		Tin 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	423.122	422.072	422.572	422.602	422.677	422.602	422.572	422.072	423.125	
NATURAL SURFACE LEVEL	423.122	422.730	422.461	422.498	422.579	422.499	422.555	422.905	423.125	
DESIGN OFFSET	-7.599	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	7.605	
					CH 6	5000				

CENTRELINE SETOUT E 240912.606 N 7200342.662 RL 421.731 DATUM RL 419.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	m 2	
DESIGN SURFACE LEVEL	421 604		421.626		421.731	421.656	•	421.126	421.725	
NATURAL SURFACE LEVEL	421 604		421.545	421.638	421.663	421.643		421.595	421.725	
DESIGN OFFSET	9 9 9 9	-5.500	-3.500	-2.500	0.000	2.500		5.500	6.698	
					CH 6	4950	•			

CENTRELINE SETOUT E 240889.222 N 7200386.857 RL 419.674  DATUM RL 416.0		21 in 4	3%	3%	3%	3%	1 in 4	
DESIGN SURFACE LEVEL	_ •	419.069	419.599	419.674	419.599	419.569	419.069	4
NATURAL SURFACE LEVEL	ائر	419.368	419.472	419.479	419.370		419.331	4 9.239
DESIGN OFFSET		-5.500	-2.500	000.0	2.500		5.500	0.840
				CH 6	4900			

### Reviewed Approved Date Description 1 TENDER ISSUE



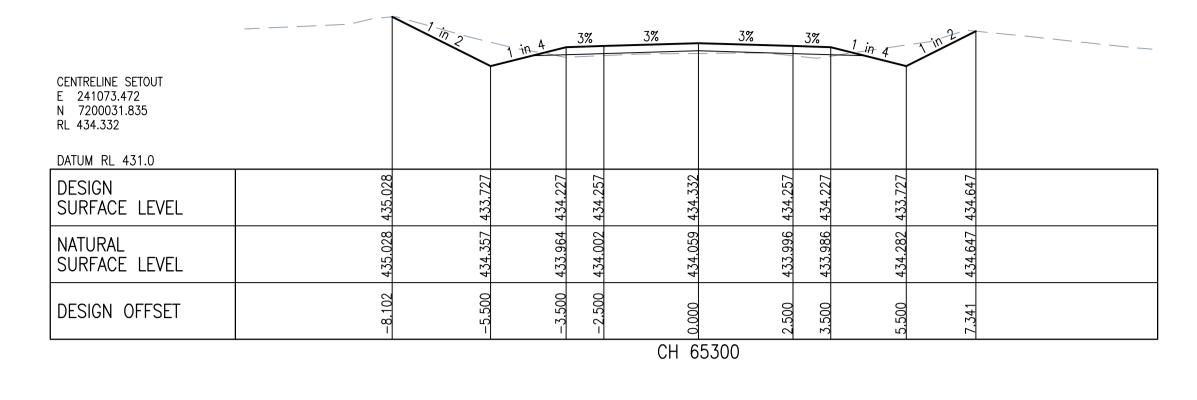
		BANANA SHIRE COUR
	Project	DEFENCE ROAD UPGRADE - CH 3
Y	Title	ANNOTATED CROSS SECTIONS

BANANA SHIRE COUNCIL	Drawn MS	Designed MS	Approved		Scale (A1 size)	
DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIO	IVIO			1:100	
ANNOTATED CROSS SECTIONS SHEET 57 OF 64	Drawing Check	Design Check	RPEQ	Date	Drawing is not to be used for construction unless approved.	





51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897 E admin@aroindustries.com.au W www.aroindustries.com.au ABN: 49 641 461 298



CENTRELINE SETOUT E 241028.21 N 7200121.006 RL 429.732		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	430.105	429.127	429.627	429.657	429.732	429.657		429.127	429.823	1
NATURAL SURFACE LEVEL	430.105	429.904	429.430	429.500	429.514	429.390		429.909	429.823	
DESIGN OFFSET	-7.456	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.893	
		•	·		CH 6	5200				

CENTRELINE SETOUT E 241005.579 N 7200165.591 RL 427.578		Tin 2	1 in 4	3%	3%	3%	3%	1 in 4 \	in 2	
DESIGN	720	173	473	03		503	173	6.973	061	
SURFACE LEVEL	427.9	426.9	427.4	427.5	427.5	427.5	427.4	426.9	427.4	
NATURAL SURFACE LEVEL	427.927	427.828	427.371	427.368	427.397	427.369	427.304	427.499	427.490	
DESIGN OFFSET	-7.408	-5.500	-3.500	-2.500	0000	2.500		5.500	6.534	
					CH 6	5150			•	

CENTRELINE SETOUT E 240982.757 N 7200210.077 RL 425.686 DATUM RL 423.0		Tin 2	1 in 4	3%	3%	3%	3%	1 in 4	<u>1 in 2</u>	
DESIGN SURFACE LEVEL	426.085	425.081	425.581	425.611	425.686	425.611	425.581	425.081	425.769	
NATURAL SURFACE LEVEL	426.085	426.071	425.609	425.551	425.637	425.583	425.516	425.796	425.769	
DESIGN OFFSET	-7.507	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.876	
				•	CH 6510	00				

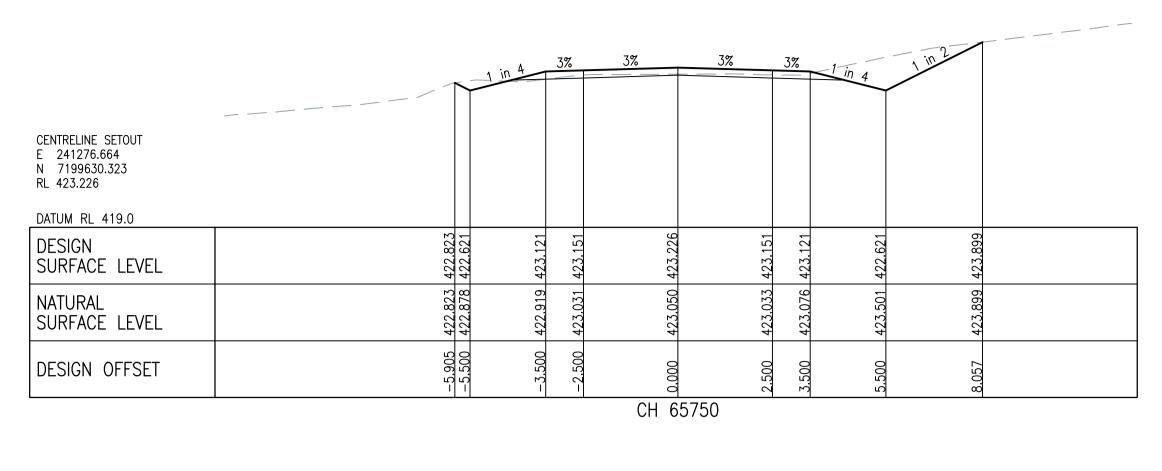
CENTRELINE SETOUT E 241186.565 N 7199808.878 RL 427.011		1 in	1 in 4	3%	3% 3%	3%		1 in 4 in	2	
DESIGN SURFACE LEVEL	426.894	426.406		426.936	427.011		426.906	4	426.735	
NATURAL SURFACE LEVEL	426.894	426.864	426.743	426.765	426.800	426.799	426.709	7:	426.735	
DESIGN OFFSET	-6.476		-3.500	-2.500	0.000	2.500	3.500	5.500	6.159	
	•				CH 65550	•	•	•	•	

CENTRELINE SETOUT E 241163.948 N 7199853.47 RL 428.083		in	21 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN	791	.78	178	800:	083	80	978	478	0.50	
SURFACE LEVEL	427.7	427.4	427.978	428.0	428.0	428.008	427.9	427.4	1 .	•
NATURAL SURFACE LEVEL	427.791	427.927	427.789		427.769	427.735	7.6	427.829	427 930	;
DESIGN OFFSET	-6.127	-5.500	-3.500	-2.500	0.000	2.500		5.500	6 405	
					CH 6	5500				

CENTRELINE SETOUT E 241141.331 N 7199898.063 RL 429.624 DATUM RL 427.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 m 2	- — — — — —
DESIGN SURFACE LEVEL	429.651	429.019	429.519	429.549	429.624	429.549	429.519	429.019	429.638	
NATURAL SURFACE LEVEL	429.651	429.507	429.286	429.304	429.352	429.296	429.243	429.496	429.638	
DESIGN OFFSET	-6.765	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.738	
			_		CH 6	5450				

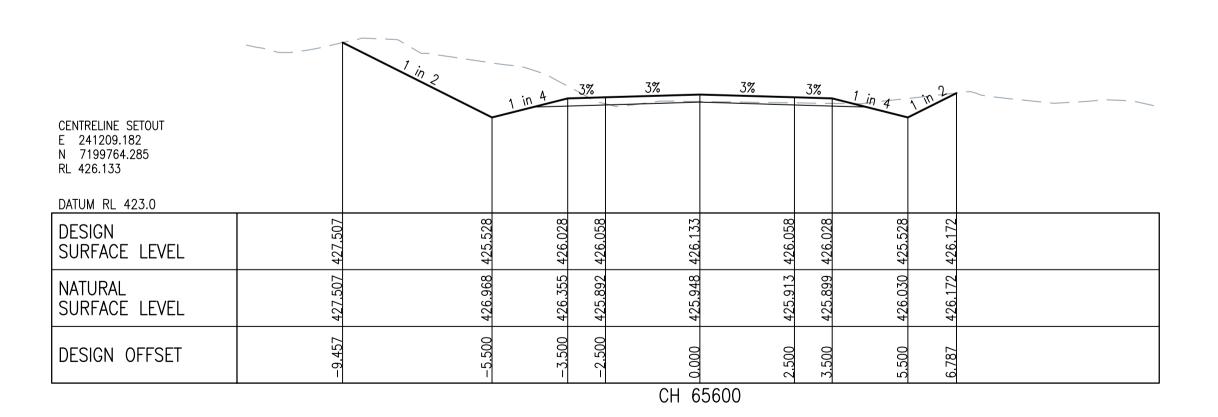
	 1/4	21 in A	3%	3%	3%	3%	1 in 4	<u> </u>	
CENTRELINE SETOUT E 241118.714 N 7199942.655 RL 431.529									
	0	4 4	4		4	4	4		
DESIGN SURFACE LEVEL	431.310	450.92	431.45	431.52	431.454	431.42	430.924	431.387	
NATURAL SURFACE LEVEL	.31	31.176	ر.	1.358		1164	.31	•	
SONIACE LEVEL	431	431	43	431	431	43	431	43	1
DESIGN OFFSET		-5.500	-2.500	0.000	2.500	3.500	5.500	6.427	
				CH 6	5400		<u> </u>		

	No. Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn Designed Approved	Scale (A1 size)		51 Sheridan Street
ω		Ban	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	MS MS	1:100	······ ADO	T (07) 4281 6897
visions			SHIRE Title	ANNOTATED CROSS SECTIONS SHEET 58 OF 64	Drawing Check Design Check RPEQ Da	Drawing is not to be used for construction	HACO	E admin@aroindustries.com.au W www.aroindustries.com.au
Rev	TENDER ISSUE	23/08/2024	PPORTUNITY	ANNOTATED CHOSS SECTIONS SHEET SO OF 04		unless approved.	•	ABN: 49 641 461 298



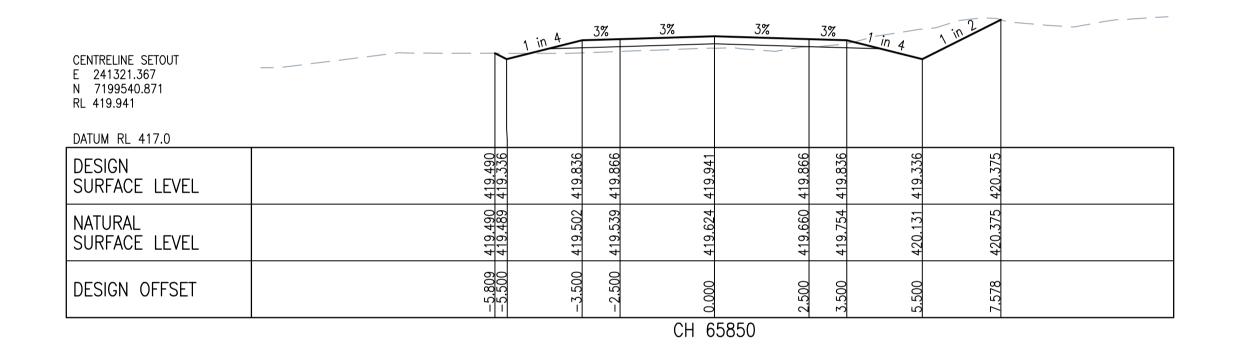
CENTRELINE SETOUT E 241254.312 N 7199675.049 RL 422.876  DATUM RL 419.0		1 in 4	3%	3%	3%	3%	1 in 4	1 1 2	
DESIGN SURFACE LEVEL	422.379	422.771	422.801	422.876	422.801	422.771	122.271	422.810	
NATURAL SURFACE LEVEL	422.379	422.431	422.594	422.671	422.606	422.532	422,758	422.810	
DESIGN OFFSET	-5.715	-5.500	-2.500	0.000	2.500		5.500		
				CH 6	5700				

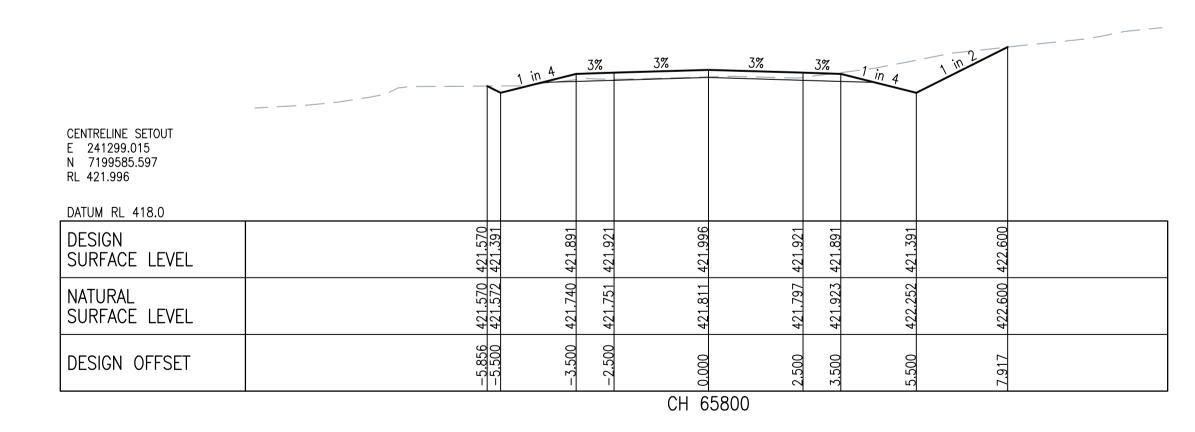
CENTRELINE SETOUT E 241231.798 N 7199719.693 RL 423.687 DATUM RL 421.0		1 in 2	1 in A	3%	3%	3%	3%	1 in 4 \	in 2	
DESIGN SURFACE LEVEL	423.839	423.082	423.582	423.612	423.687	423.612	423.582	423.082	423.430	
NATURAL SURFACE LEVEL	423.839	423.834	423.416	423.208	423.468	423.488	423.507	423.457		
DESIGN OFFSET	-7.016	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		
					CH 65	650				



CENTRELINE SETOUT E 241366.07 N 7199451.419 RL 417.164  DATUM RL 414.0		1 in 2	1 in 4	3%	3%	3%	-3%	1 in 4	1,12	
DESIGN SURFACE LEVEL	417.188	416.559	417.059	417.089	417.164	417.089	417.059	416.559	417 680	
NATURAL SURFACE LEVEL	417.188	416.985	416.938	416.955	416.962	417.201	417.492	417.299	417 680	
DESIGN OFFSET	-6.758	-5.500	-3.500	-2.500	000.0	2.500	3.500	5.500	7.743	
					CH 65	5950				

CENTRELINE SETOUT E 241343.718 N 7199496.145 RL 418.235		1 in	2 1 in 4	3%	3% 3%	3%_	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	417.965	~	418.130	418.160	418.235	418.130	417.630		
NATURAL SURFACE LEVEL	417.965	7	418.027	418.000	417.977	418.310	418.650	418.320	
DESIGN OFFSET	-6.169	-5.500	-3.500	-2.500	0.000	3.500	5.500	6.879	
					CH 65900				

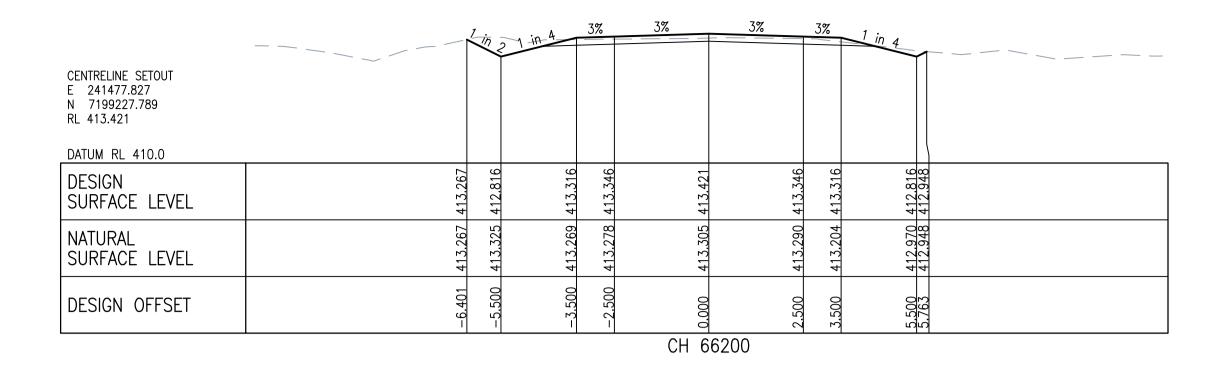




### TENDER ISSUE ONLY

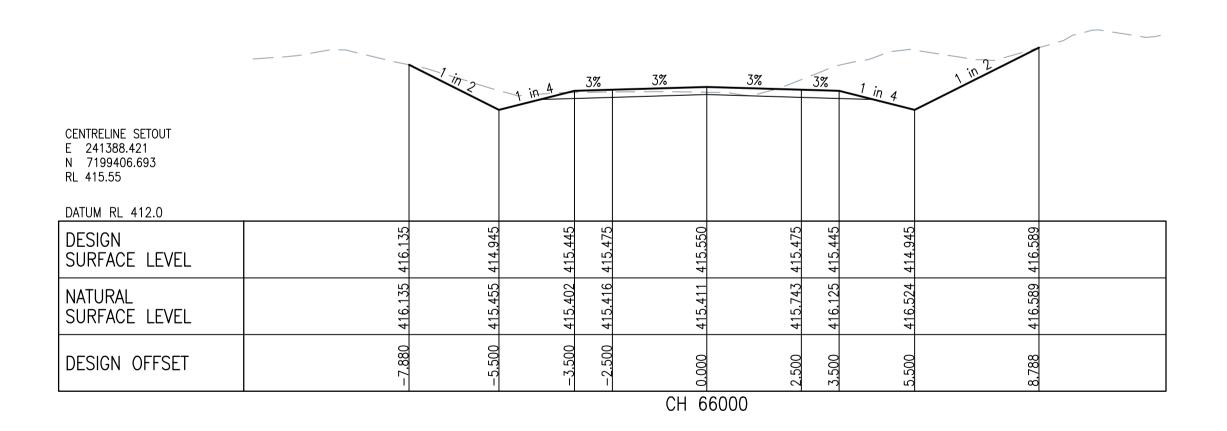
No.	Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn MS	Designed MS	Approved	Scale (A1 size)	•		51 Sheridan Street Cairns Qld 4870
Ω		Ban	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS	IVIS		1:100	••••		T (07) 4281 6897
evision		SHIPE OF O	SHIRE	ANNOTATED CROSS SECTIONS SHEET 59 OF 64	Drawing Ched	ck Design Check	K RPEQ [	Drawing is not to be used for construction		ARU	W www.aroindustries.com.au
1 TENDER ISSU	UE	23/08/2024	PPORTUNITY					unless approved.	•		ABN: 49 641 461 298

ARO0400-C108



CENTRELINE SETOUT E 241455.476 N 7199272.515 RL 413.353  DATUM RL 410.0		Tin 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	413.916	412.748	413.248	413.278	413.353	413.278	413.248	7.7	413.323	
NATURAL SURFACE LEVEL	413.916	413.376	413.248	413.257	413.234	413.251	413.373			
DESIGN OFFSET	-7.836	-5,500	-3.500	-2.500	0.000	2.500		1		
					CH 6	6150				

CENTRELINE SETOUT E 241433.124 N 7199317.241 RL 413.04  DATUM RL 410.0		in	21 in 4	3%	3%	3%	3%	1 in 4	 
DESIGN SURFACE LEVEL	412.755	412.435	412.935	412.965	413.040	412.965	412.935	412.435	
NATURAL SURFACE LEVEL	412.755	412.837	412.912	412.911	412.886	412.644	412.396	412.313	
DESIGN OFFSET	-6.140	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	
					CH 6	6100		•	



CENTRELINE SETOUT E 241589.36 N 7199004.048 RL 416.852 DATUM RL 414.0		1 in	21 in 4	3%	3% 39	%	3%	1 in 4	7 in 2	
DESIGN SURFACE LEVEL	416.633	416.247	416.747	416.777	416.852	416.777	416.747	416.247		
NATURAL SURFACE LEVEL	416.633	416.724	416.514	416.508	416.699	416.675	416.663	416.874	417.048	
DESIGN OFFSET	-6.273	-5.500	-3.500	-2.500	000.0	2.500	3.500	5.500	1 ,	
					CH 66450		·			

CENTRELINE SETOUT E 241567.197 N 7199048.868 RL 416.202  DATUM RL 413.0		tinz	1 in 4	3%	3%	3%	3%	1 in 4	1 18 2	
DESIGN SURFACE LEVEL	416.464	415.597	416.097	416.127	416.202	416.127	416.097	415.597	416.267	
NATURAL SURFACE LEVEL	416.464	416.069	415.860	415.971	416.068	415.979	416.026	416.217	416.267	
DESIGN OFFSET	-7.234	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.841	
					CH 6	6400				

CENTRELINE SETOUT E 241522.53 N 7199138.338 RL 414.635		1 in 2	1 in 4 3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	414.931	414.030		414.635	414.560	414.530	414.030	415.060	
NATURAL SURFACE LEVEL	414.931	414.886	414.512	4 14.543	414.485	414.591	414.997	415.060	
DESIGN OFFSET	-7.301	-5.500	-3.500	0.000	2.500		5.500	7.560	
				CH 6	6300				

CENTRELINE SETOUT E 241500.179 N 7199183.064 RL 413.889		in 2	in 4 3%		3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	414.195	413.284	413.784	413.889	413.814	413.784	413.284	413.913	
NATURAL SURFACE LEVEL	414.195	413.971	413.687	413.750	413.656	413.768	413.933	413.913	
DESIGN OFFSET	-7.323	-5.500	-3.500	0.000	2.500	3.500	5.500	6.758	
				CH 66	5250	•		·	

Г	No. Description	Reviewed Approved Date	Client Logo	Client	BANANA SHIRE COUNCIL	Drawn Designed Approved  MS MS	Scale (A1 size)	•	I	51 Sheridan Street Cairns Qld 4870
<u>8</u>			Banana	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS IVIS	1:100	••••		T (07) 4281 6897
evision			SHIRE OF OPPORTUNITY	Title	ANNOTATED CROSS SECTIONS SHEET 60 OF 64	Drawing Check Design Check RPEQ	Date  Drawing is not to be used for construction		ARU	W www.aroindustries.com.au
٣	1 TENDER ISSUE	23/08/2024	SHIRE OF DEPORTORITY				unless approved.	•		ABN: 49 641 461 298

CENTRELINE SETOUT E 241678.012 N 7198824.77 RL 418.832  DATUM RL 416.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	419.153	418.227	418.727	418.757	418.832	418.757		418.227	418.952	
NATURAL SURFACE LEVEL	419.153	419.033	418.643	418.637	418.690	418.678	418.639	418.918	418.952	
DESIGN OFFSET	-7.351	-5.500	-3.500	-2.500	0.000	2.500		5.500	6.949	
					CH 6	6650				

CENTRELINE SETOUT E 241655.849 N 7198869.589 RL 418.227		Tin 2	1 in 4	3%	3%	3%	3%	1-in 4	<u> </u>	
DESIGN SURFACE LEVEL	418,487	417.622	418.122	418.152	418.227	418.152	418.122	417.622	418.207	
NATURAL SURFACE LEVEL	418.487	418.333	418.019	417.982	418.057	417.975	417.984	418.199	418.207	
DESIGN OFFSET	-7.228	-5.500	-3.500	-2.500	0.000	2.500		5.500	6.670	
					CH 6	6600				

CENTRELINE SETOUT E 241633.686 N 7198914.409 RL 417.713		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	418,022	417.108	417.608		417.713	417.638	417.608	417.108	417.638	
NATURAL SURFACE LEVEL	418,022	417.762	417.553	417.512	417.504	417.479	417.413	417.526	417.638	
DESIGN OFFSET	-7.329	-5.500	-3.500	-2.500	0.000	2.500		5.500	6.560	
	-				CH 6	6550				

CENTRELINE SETOUT E 241611.523 N 7198959.228 RL 417.306		1 in 2	1 in 4	3%	3%	3%	3%	1-in 4	1 in 2	
DESIGN SURFACE LEVEL	417.582	416.701	417.201	417.231	417.306	417.231	417.201	416.701		
NATURAL SURFACE LEVEL	417.582	417.341	417.118	417.081	417.213	417.144	417.109	417.333	417.393	
DESIGN OFFSET	-7.263	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		
	•			•	CH 66500	0			'	

CENTRELINE SETOUT E 241788.341 N 7198600.434 RL 418.128		Tin 2	1 in 4	3%	3%	<u>3%</u>	3%	1 in 4	1 in 2		
DESIGN SURFACE LEVEL	418.685	417.523	418.023	418.053	418.128	418.053	418.023	417.523	418,483	·I	
NATURAL SURFACE LEVEL	418.685	418.135	417.818	417.864	417.978	417.895	7	418.239	4		
DESIGN OFFSET	-7.825	-5.500	-3.500	-2.500	0.000	2.500		5.500	7.420		
					CH 6	6900		_	_	_	

CENTRELINE SETOUT E 241766.645 N 7198645.481 RL 417.506		1 in 4	1 in 4	3%	3%	3%	3%	1 in 4	1 in 4	
DESIGN SURFACE LEVEL	415.527	416.901	417.401	417.431	417.506	417.431	417.401	416.901	415.874	
NATURAL SURFACE LEVEL	415.527	416.228	417.156	417.184	417.257	417.217	417.167	416.747	415.874	
DESIGN OFFSET	-10.995	-5.500	-3.500	-2.500	0.000	2.500	1 +1	5.500	9.608	
					CH 6	6850				

CENTRELINE SETOUT E 241744.502 N 7198690.311 RL 417.805  DATUM RL 415.0		1/2	1 in 4	3%	3%	3%	3%	1 in 4	1 m 2	. — — —	
DESIGN SURFACE LEVEL	417.902	417.200	417.700	417.730	417.805	417.730	417.700	417,200	417.865		
NATURAL SURFACE LEVEL	417.902	418.037	417.637	417.603	417.620	417.485	417.475	417,707	417.865		
DESIGN OFFSET	-6.904	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.831		
					CH 66	800					

CENTRELINE SETOUT E 241700.175 N 7198779.95 RL 419.021  DATUM RL 416.0		1 in 2	in 4 3%	3%	3%	3%	1 in 4	.m 2	
DESIGN SURFACE LEVEL	419 334	418.416	418.916	419.021	418.946	418.916	418.416	418.851	
NATURAL SURFACE LEVEL	419 334	419.015	418.772	418.876	418.799	418.731	418.871	418.851	
DESIGN OFFSET	7 335	-5.500	-3.500	0.000	2.500	3.500	5.500	6.370	
				CH 667	00				

### TENDER ISSUE ONLY

No.	Description	Reviewed Approved Date Client Logo  Banan	Client Project	BANANA SHIRE COUNCIL DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn MS	Designed MS	Approved	Scale (A1 size) 1:100		51 Sheridan Street Cairns Qld 4870 T (07) 4281 6897
Y TENDER ISSUE	<u> </u>	- 23/08/2024	Title	ANNOTATED CROSS SECTIONS SHEET 61 OF 64	Drawing Ched	ck Design Check	k RPEQ	Date  Drawing is not to be used for construction unless approved.	ARU	E admin@aroindustries.com.au W www.aroindustries.com.au ABN: 49 641 461 298

ARO0400-C110

CENTRELINE SETOUT E 241920.943 N 7198331.333 RL 425.3		1 10	1 in 4	3%	3% 3%	3%	1 in 4	<u>in 2</u>	
DESIGN SURFACE LEVEL	425.190		425.195	425.225	425.300	425.195	424.695	425.126	
NATURAL SURFACE LEVEL	425.190		424.872	424.879	424.892	424.843	424.977	425.126	
DESIGN OFFSET	-6.492	-5.500	-3.500	-2.500	0.000	3.500	5.500	6.363	
					CH 67200				

CENTRELINE SETOUT E 241876.555 N 7198420.942 RL 422.663		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 : 1 2 2	
DESIGN SURFACE LEVEL	422.880	422.058	422.558	422.588	422.663	422.588	422.558	422.058	422.764	
NATURAL SURFACE LEVEL	422.880	422.668	422.345	422.322	422.384	422.364	422.414	422.815	422.764	
DESIGN OFFSET	-7.144	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.913	
					CH 6710	0				

CENTRELINE SETOUT E 241854.361 N 7198465.747 RL 421.462  DATUM RL 418.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	7.102	
DESIGN SURFACE LEVEL	421.666	420.857	421.357	421.387	421.462	421.387	l	420.857	421.959	1
NATURAL SURFACE LEVEL	421.666	421.472	421.101	421.100	421.227	421.128	1	421.574	421.959	1
DESIGN OFFSET	-7.120	-5.500	-3.500	-2.500	0.000	2.500	1 1	5.500	7.706	
					CH 6	7050				

CENTRELINE SETOUT E 241832.167 N 7198510.551 RL 420.346 DATUM RL 417.0		1 in	1 in 4 3%		3% 3:	%	3%	1 in 4	m 2	
DESIGN SURFACE LEVEL	000	419.741	•	420.271	420.346	420.271	420.241	419.741	420.296	
NATURAL SURFACE LEVEL	0,000	420.064	420.000	420.094	420.093	420.007	419.922	420.189	420.296	
DESIGN OFFSET	02 / 9		-3.500	-2.500	0.000	2.500	3.500	5.500	6.609	
			•		CH 67000					

CENTRELINE SETOUT E 242054.301 N 7198062.604 RL 432.517 DATUM RL 429.0		1 in 2	1 in 4 35	% 3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	432.864	431.912	432.412	432.442	432.442	432.412	431.912		
NATURAL SURFACE LEVEL	432.864	432.742	432.364	432.246	432.311	432.325	432.646		
DESIGN OFFSET	-7.403	-5.500	-3.500	-2.500	2.500	3.500	5.500	6.990	
				CH 6	7500				

CENTRELINE SETOUT E 242009.807 N 7198152.16 RL 430.419		1-10 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	431.064	429.814	430.314	430.344	430.419	430.344	430.314	429.814	430.404	
NATURAL SURFACE LEVEL	431.064	430.557	430.205	430.125	430.223	430.232	430.201	430.255	430.404	
DESIGN OFFSET	-8.002	-5.500	-3.500	-2.500	000.0	2.500	3.500	5.500	6.681	
				•	CH 674	-00				

CENTRELINE SETOUT E 241987.561 N 7198196.938 RL 429.258  DATUM RL 426.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	429.431	428.653	429.153	429.183	429.258	429.183		428.653	429.238	
NATURAL SURFACE LEVEL	429.431	429.121	429.258	429.153	429.102	429.083	429.000	429.106	429.238	
DESIGN OFFSET	-7.057	-5.500	-3.500	-2,500	0.000	2.500		5.500	6,669	
		•			CH 6	7350				

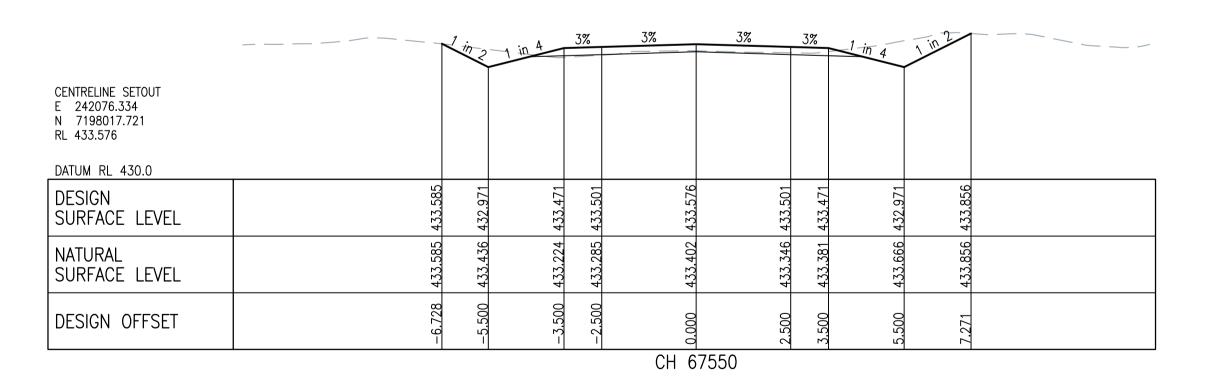
CENTRELINE SETOUT E 241965.331 N 7198241.725 RL 427.961 DATUM RL 425.0		1 in 2	1 in 4 3	<u>%</u>	3%	3%	3%	1 in 4 \	in 2	
DESIGN SURFACE LEVEL	428.399	427.356	427.856	427.886	427.961	427.886	427.856	427.356		
NATURAL SURFACE LEVEL	428.399	428.128	427.699	427.647	427.721	427.691	427.854	427.733		
DESIGN OFFSET	-7.585	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500		
					CH 67	300				

N	Description	Reviewed	Approved	Date	Client Logo	Client	BANANA SHIRE COUNCIL	Drawn		Approved		Scale (A1 size)	
s _					Banana	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	MS	MS			1:100	••••
(evision					SHIRE OF OPPORTUNITY	Title	ANNOTATED CROSS SECTIONS SHEET 62 OF 64	Drawing Chec	k Design Chec	RPEQ	Date	Drawing is not to be used for construction unless approved.	••••
╸╽╶	TENDER ISSUE	_	_	23/08/2024								uniess approved.	

CENTRELINE SETOUT E 242141.706 N 7197882.715 RL 437.232 DATUM RL 434.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2		
DESIGN SURFACE LEVEL	437.410	436.627	437.127	437.157	437.232	437.157	437.127	436.627	437.309		
NATURAL SURFACE LEVEL	437.410	437.167	437.165	437.172	437.175	437.118	437.204	437.367	1 1		
DESIGN OFFSET	790.7-	-5.500	-3.500	-2.500	0.000	2.500	3.500	5.500	6.865		
					CH 6	7700					

CENTRELINE SETOUT E 242119.916 N 7197927.717 RL 436.048 DATUM RL 433.0		1 in 2	1 in 4	3%	3%	3%	3%	t in 4	1 in 2	
DESIGN SURFACE LEVEL	436.082		435,943	435.973	436.048	435.973	435.943	435.443	436.221	
NATURAL SURFACE LEVEL	436.082	435.787	435.894	435.951	435.897	1	4.35.988	436.270	436.221	
DESIGN OFFSET	-6.779	-5.500	-3.500	-2.500	0000	2.500	3.500	5.500	7.057	
					CH 6	7650				

CENTRELINE SETOUT E 242098.125 N 7197972.719 RL 434.75		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	434.935	434.145	434.645	434.675	434.750	434.675	434.645	434.145	434.963	
NATURAL SURFACE LEVEL	434.935	434.695	434.413	434.468	434.533	434.450	434.539	434.892		
DESIGN OFFSET	-7.081	-5.500	-3.500	-2.500	0.000	2.500		5.500	,	
					CH 6	7600				



CENTRELINE SETOUT E 242275.06 N 7197613.987 RL 436.332		t in 2	1 in 4 3%	3%	3%	3%	1 in 4	^	
DESIGN SURFACE LEVEL	436.797	435.727	436.227	, N	436.257	436.227	435.727 435.894		
NATURAL SURFACE LEVEL	436.797	436.379	435.934	8	436.003	436.111	435.889 435.894		
DESIGN OFFSET	-7.640	-5.500	-3.500		2.500	3.500	5.500 5.833		
				CH 68	000				

CENTRELINE SETOUT E 242230.438 N 7197703.479 RL 438.644  DATUM RL 436.0		7102	in 4 3%	3%	3%	3%	1 in 4 \	102	
DESIGN SURFACE LEVEL	439.020	438.039	438.539	438.644	438.569	438.539	438.039	438.558	
NATURAL SURFACE LEVEL	439.020	438.711	438.358	438.374	438.362	438.298	438.570	438.558	
DESIGN OFFSET	-7.463	-5.500	-3.500	0.000	2.500	3.500	5.500	6.538	
		•	•	CH 6	7900				

CENTRELINE SETOUT E 242208.127 N 7197748.225 RL 439.061 DATUM RL 436.0		1 1/1/2	1 in 4	3%	<u>3%</u>	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	439.022	438.456	438.956	438.986	439.061		438.956	438.456		
NATURAL SURFACE LEVEL	439.022	438.985	438.919	438.903	438.881	438.824	438.779	438.884	438.967	
DESIGN OFFSET	-6.632	-5.500	-3.500	-2.500	0.000		3.500	5.500	6.521	•l
					CH 6	7850				

CENTRELINE SETOUT E 242185.815 N 7197792.971 RL 438.887  DATUM RL 436.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	in 2	
DESIGN SURFACE LEVEL	438.929	438.282	438.782	438.812	438.887	438.812	438.782	438.282		
NATURAL SURFACE LEVEL	438.929	438.801	438.643	438.574	438.641	438.603	438.570	438.683		
DESIGN OFFSET	-6.794	4 4	-3.500	-2.500	0.000	2.500	3.500	5.500		
	•				CH 6	7800				

### TENDER ISSUE ONLY

51 Sheridan Street Cairns Qld 4870

T (07) 4281 6897 E admin@aroindustries.com.au W www.aroindustries.com.au

ABN: 49 641 461 298

S	No. Description	Reviewed Approved Date	Client Logo  Client  Project  Project	ject	BANANA SHIRE COUNCIL  DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	Drawn Designed Approved  MS MS	Scale (A1 size) 1:100	
Revision	1 TENDER ISSUE	23/08/202	SHIRE OF OPPORTUNITY  4	Э	ANNOTATED CROSS SECTIONS SHEET 63 OF 64	Drawing Check Design Check RPEQ Da	Drawing is not to be used for construction unless approved.	ARU

Drawing No.

	$\frac{1}{\sqrt{3}}$ $\frac{3}{\sqrt{3}}$ $\frac{3}{\sqrt{3}}$ $\frac{3}{\sqrt{3}}$ $\frac{1}{\sqrt{3}}$ $\frac{1}{\sqrt{3}}$
CENTRELINE SETOUT E 242408.415 N 7197345.256	
RL 430.045 DATUM RL 427.0	
DESIGN	429.840 429.940 429.940 429.851 429.851
SURFACE LEVEL	
NATURAL SURFACE LEVEL	429.842 429.845 429.858 429.851 429.851
DESIGN OFFSET	-6.304 -5.500 -2.500 -2.500 -2.500 -3.500 -3.500
	CH 68300
	$\frac{1}{\sin 4}$ $\frac{3\%}{\sin 4}$ $\frac{3\%}{\sin 4}$ $\frac{3\%}{\sin 4}$ $\frac{1}{\sin 4}$
CENTRELINE SETOUT E 242386.179 N 7197390.04 RL 430.109	
DATUM RL 427.0	
DESIGN SURFACE LEVEL	430.115 430.004 430.004 429.504 429.504 429.702
NATURAL SURFACE LEVEL	429.878 429.878 429.739 429.739 429.702
DESIGN OFFSET	-6.722 -5.500 -2.500 -2.500 5.896 5.896
	CH 68250
	$\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$
CENTRELINE SETOUT E 242364.02 N 7197434.861 RL 431.119	
DATUM RL 428.0	
DESIGN SURFACE LEVEL	431.250 431.014 431.014 430.514 430.889
NATURAL SURFACE LEVEL	431.250 430.327 430.345 430.345 430.389 430.889
DESIGN OFFSET	-6.972 -5.500 -2.500 -2.500 -2.500 -2.500 -2.500
	CH 68200
CENTRELINE SETOUT E 242319.682 N 7197524.495 RL 433.725	1 in 4 3% 3% 3% 1 in 4 1 in 2
DATUM RL 431.0	
DESIGN SURFACE LEVEL	434.001 433.650 433.650 433.650 433.650 433.771
NATURAL SURFACE LEVEL	434.001 433.494 433.507 433.577 433.771
DESIGN OFFSET	-7.261 -5.500 -2.500 -2.500 -2.500 -2.500 -2.500
	CH 68100

CENTRELINE SETOUT E 242483.884 N 7197162.671 RL 429.991  DATUM RL 427.0		1 1/1	2 1 in 4	1.5%	1.5%	3%		3%	1 in 4	1 11 2	
DESIGN SURFACE LEVEL	429.883	429.569	430.069	430.054	429.991		479.878	429 798	1 ~		
NATURAL SURFACE LEVEL	429.883	429.836	429.719	429.788	429.931		429,720	479 875	429.849	429.923	
DESIGN OFFSET	-7.690	-7.062	-5.062	-4.062	0000		5.440	1	8.440	9.690	
		•	•	•	CH 6	8500					

CENTRELINE SETOUT E 242476.442 N 7197211.589 RL 431.635 DATUM RL 428.0		1 in 2	1 in 4 2	2%	2.2% 3%		3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	431.760	431.217	431.717	431.695	431.635	431.474	431.444	430.944	432.267	
NATURAL SURFACE LEVEL	431.760	' '	431.489	431.488	431.546	431.804	432.015	432.484	432.267	
DESIGN OFFSET	-6.797	-5.710	-3.710	-2.710	0.000	5.356	6.356	8.356	11.001	
					CH 68450					

CENTRELINE SETOUT E 242453.327 N 7197255.914 RL 432.69 DATUM RL 430.0		1 in 2	1 in 4	3%	3%	3%	3%	1 in 4	1 in 2	
DESIGN SURFACE LEVEL	430 790	432.085	432.585	432.615	432.690	432.593		432.063	432.694	
NATURAL SURFACE LEVEL	432 792	432.980	432.662	432.452	432.503	432,465	1 1	432.720		
DESIGN OFFSET	6 914	-5.500	-3.500	-2.500	0.000	3.208	1 .1	6.208	7.469	
					CH 6	8400				

CENTRELINE SETOUT E 242430.693 N 7197300.493 RL 431.068		1 in 2	in 4	3%	3%	3%	3%	1 in 4 in 5	- — _
DESIGN SURFACE LEVEL	430.993	430.463	430.963	430.993	431.068	430.993	430.963	430.463	
NATURAL SURFACE LEVEL	430.993	430.949	430.685	430.640	430.789			430.708	
DESIGN OFFSET	-6.560	-5.500	-3.500	-2.500	0.000	2.500		5.500	
					CH 6	8350			

	No. Description	Reviewed Approved Date Client Logo	Client	BANANA SHIRE COUNCIL	Drawn	Designed	Approved	Scale (A1 size)	•		51 Sheridan Street Cairns Qld 4870
ပ္က	φ	Banana	Project	DEFENCE ROAD UPGRADE - CH 36,172 - CH68,499	IVIS	MS		1:100	••••	I A DO	T (07) 4281 6897
evisior		SHIRE	Title	ANNOTATED CROSS SECTIONS SHEET 64 OF 64	Drawing Ched	ck Design Checl	k RPEQ Date	Drawing is not to be used for construction		ARO	W www.aroindustries.com.au
ď	1 TENDER ISSUE	- 23/08/2024						unless approved.	•		ABN: 49 641 461 298