

DECLARED DISTANCES FOR RUNWAY 11	
TAKE OFF RUN AVAILABLE (TORA)	3049m (10003')
TAKE OFF DISTANCE AVAILABLE (TODA)	3354m (11004') 1.92%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	3049m (10003')
LANDING DISTANCE AVAILABLE (LDA)	3049m (10003')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	3245m (10676') 1.6%, 3349m (10988') 1.9%

LEGEND	
	LOWEST SURVEYED SLOPE
	GROUND LEVEL
	MOST LIMITING OBSTACLE
	OBSTACLE

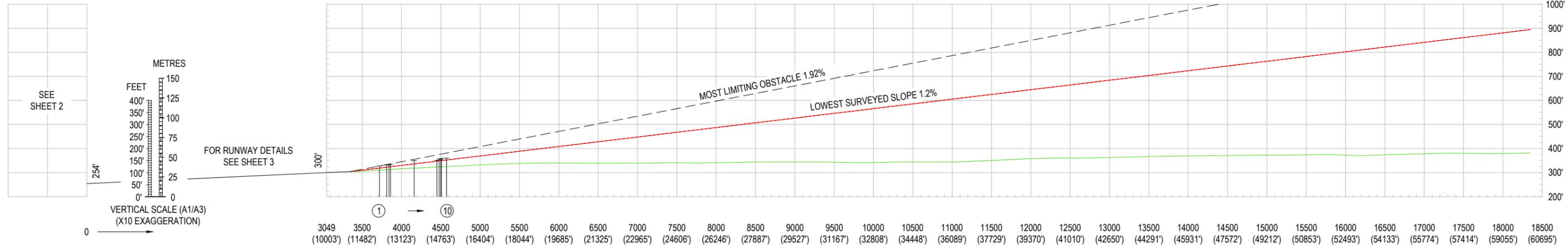
NOTES

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 51 THE VERTICAL DATUM BEING AHD.
- HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
- USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS SOON AS THEY BECOME APPARENT TO :-

AERONAUTICAL INFORMATION SERVICE - AIR FORCE
EMAIL: AIS.AF@DEFENCE.GOV.AU
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 1° 44' E (MAY 2023)
- AERIAL SURVEY COMPLETED APRIL 2016 & OCTOBER 2022.
GROUND SURVEY CHECKS AND VERIFICATION NOVEMBER 2022.

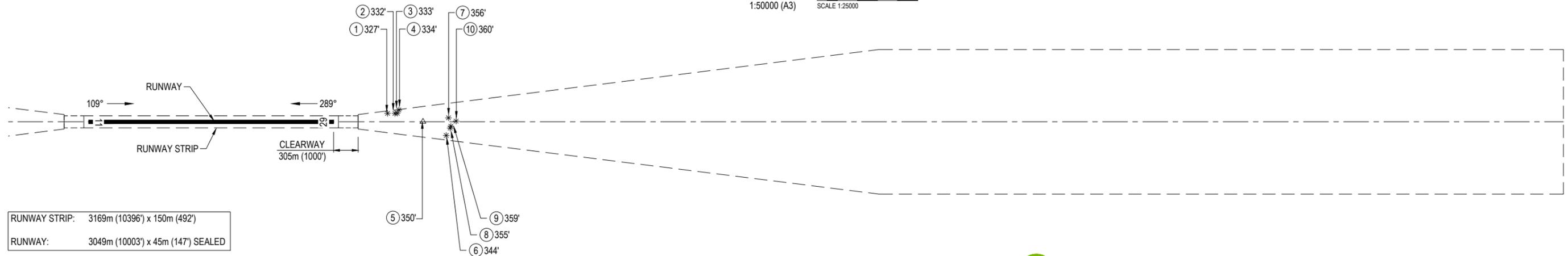
LEGEND

OBSTRUCTIONS AND OBSTACLES	
	OBJECT NUMBER
392'	TOP ELEVATION IN FEET
	TREE(S) OR VEGETATION
	BUILDING OR LARGE STRUCTURE
	POLE, TOWER, SPIRE ETC
	ANTENNA
	MOVING (ROADS, RAILWAY TRACKS ETC)
	TERRAIN PENETRATING LOWEST SURVEYED SLOPE
	OVERHEAD TRANSMISSION LINE
	FENCE LINE



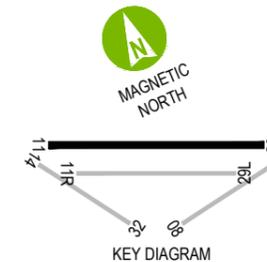
RUNWAY 11 (CODE 4)

1:25000 (A1)
1:50000 (A3)
SCALE 1:25000



RUNWAY STRIP: 3169m (10396') x 150m (492')
RUNWAY: 3049m (10003') x 45m (147') SEALED

RUNWAY 11 SURVEY HAS BEEN ASSESSED BASED ON THE FOLLOWING *CODE 4* TAKE-OFF PARAMETERS:
LENGTH OF INNER EDGE - 180m
RATE OF DIVERGENCE (EACH SIDE) - 12.5%
FINAL WIDTH - 1800m
OVERALL LENGTH - 15000m



THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.

DANIEL GEEVES
REGISTERED SURVEYOR
aurecon

25/11/2024
DATE



www.aurecongroup.com



REV	DATE	REVISION DETAILS	APPROVED
A	15.12.23	FOR REVIEW	DG
B	25.03.24	FOR REVIEW	DG
C	02.07.24	FOR ISSUE	DG
D	15.11.24	FOR ISSUE - UPDATE RWS WIDTH	DG
E	25.11.24	FOR ISSUE - UPDATE RESPM COORD	DG

SCALE	SIZE
AS SHOWN	A1/A3
DRAWN	MH
SURVEYED	KI/MH/AAM
CHECKED	GH

FOR ISSUE
NOT FOR CONSTRUCTION

APPROVED

DATE 25/11/2024
DANIEL GEEVES

PROJECT	TITLE	DRAWING No.	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE CURTIN	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 RUNWAY 11 - SHEET 1 OF 12	520002	EST09759	DRG	UU	CTN	002	E	

DECLARED DISTANCES FOR RUNWAY 29	
TAKE OFF RUN AVAILABLE (TORA)	3049m (10003')
TAKE OFF DISTANCE AVAILABLE (TODA)	3354m (11004') 1.0%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	3049m (10003')
LANDING DISTANCE AVAILABLE (LDA)	3049m (10003')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	NIL

LEGEND

	LOWEST SURVEYED SLOPE
	GROUND LEVEL
	MOST LIMITING OBSTACLE
	OBSTACLE

NOTES

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 51 THE VERTICAL DATUM BEING AHD.
- HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
- USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS SOON AS THEY BECOME APPARENT TO :-

AERONAUTICAL INFORMATION SERVICE - AIR FORCE
EMAIL: AIS.AF@DEFENCE.GOV.AU
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 1° 44' E (MAY 2023)
- AERIAL SURVEY COMPLETED APRIL 2016 & OCTOBER 2022.
GROUND SURVEY CHECKS AND VERIFICATION NOVEMBER 2022.

LEGEND

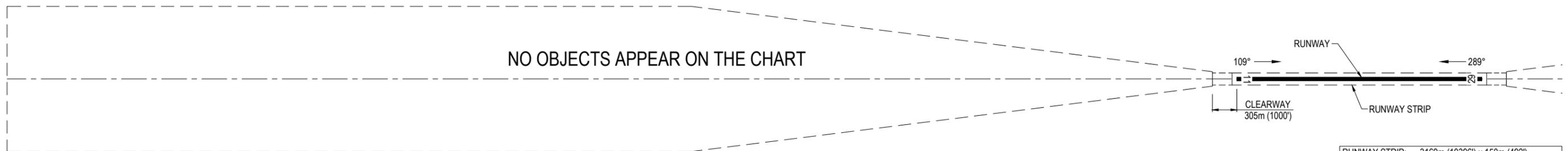
OBSTRUCTIONS AND OBSTACLES

	OBJECT NUMBER
	392' TOP ELEVATION IN FEET
	TREE(S) OR VEGETATION
	BUILDING OR LARGE STRUCTURE
	POLE, TOWER, SPIRE ETC
	ANTENNA
	MOVING (ROADS, RAILWAY TRACKS ETC)
	TERRAIN PENETRATING LOWEST SURVEYED SLOPE
	OVERHEAD TRANSMISSION LINE
	FENCE LINE

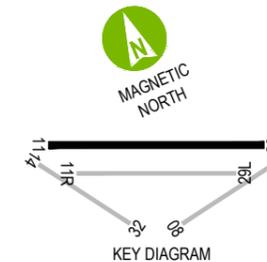


RUNWAY 29 (CODE 4)

1:25000 (A1) 250 0 500 1000m
1:50000 (A3) SCALE 1:25000



RUNWAY STRIP: 3169m (10396') x 150m (492')
RUNWAY: 3049m (10003') x 45m (147') SEALED



THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.

Daniel Geeves
DANIEL GEEVES
REGISTERED SURVEYOR
aurecon

25/11/2024
DATE

RUNWAY 29 SURVEY HAS BEEN ASSESSED BASED ON THE FOLLOWING "CODE 4" TAKE-OFF PARAMETERS:
LENGTH OF INNER EDGE - 180m
RATE OF DIVERGENCE (EACH SIDE) - 12.5%
FINAL WIDTH - 1800m
OVERALL LENGTH - 15000m



CLIENT

Australian Government
Department of Defence
Security and Estate Group

REV	DATE	REVISION DETAILS	APPROVED
A	15.12.23	FOR REVIEW	DG
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SCALE	SIZE
AS SHOWN	A1/A3
DRAWN	
MH	
SURVEYED	
KI/MH/AAM	
CHECKED	
GH	

FOR ISSUE
NOT FOR CONSTRUCTION

APPROVED

Daniel Geeves
DATE 25/11/2024
DANIEL GEEVES

PROJECT	TITLE	DRAWING No.	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE CURTIN	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 RUNWAY 29 - SHEET 2 OF 12	520002	EST09759	DRG	UU	CTN	003	E	

AERODROME OBSTACLE CHART - ICAO TYPE A
(OPERATING LIMITATIONS) NOVEMBER 2024, COMPILED BY AURECON

TO BE READ IN CONJUNCTION WITH CURRENT NOTAMS

THE ORIGIN OF THE TAKE OFF SURFACE IS LOCATED AT THE END OF THE CLEARWAY
DISTANCES COMMENCE FROM THE RAAF RE-PSM AT THE START OF THE TAKE-OFF RUNWAY (SOT)

DATUM

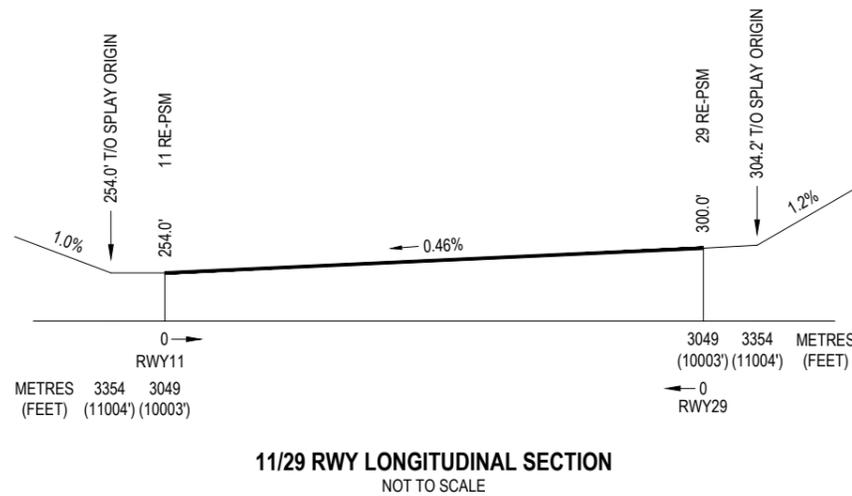
AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 51
THE VERTICAL DATUM BEING AHD.

DEFINITIONS

- RE-PSM: RUNWAY END PERMANENT SURVEY MARK
- LENGTH OF INNER EDGE 180m
- RATE OF DIVERGENCE OF SPLAY (EACH SIDE) 12.5%
- FINAL WIDTH 1800m
- OVERALL LENGTH 15000m

11 TAKE OFF																				
REPSM AT START OF TORA (REPSM 11)												RUNWAY MAGNETIC BEARING			TORA		TODA		ELEVATION AT T.O. ORIGIN	
GEOGRAPHIC								MGA		ELEVATION		(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)	(m)	(Ft)
LAT				LONG				EASTING	NORTHING	(m)	(Ft)									
DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)					(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)	(m)	(Ft)
-17.5756234	-17°	34'	32.245"	123.8151209	123°	48'	54.435"	586497.29	8056579.01	77.4	254.0	108°	38'	11"	3049	10003	3354	11004	92.7	304.2
OBJECTS THAT APPEAR ON THE CHART																				
REF No	GEOGRAPHIC								MGA		ELEVATION TOP		TYPE OF OBSTACLE	DISTANCE FROM SOT		OFFSET			GRADIENT TO TOP	
	LAT				LONG				EASTING	NORTHING	(m)	(FT)		(m)	(FT)	(m)	(FT)	LEFT/RIGHT	%	
DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)													
1	-17.586437	-17°	35'	11.17"	123.848328	123°	50'	53.98"	590015.93	8055367.13	99.8	327.3	TREE	3721.1	12208.4	105.4	345.7	L	1.92	
2	-17.586730	-17°	35'	12.22"	123.849139	123°	50'	56.90"	590101.89	8055334.32	101.2	332.0	TREE	3813.2	12510.4	104.9	344.3	L	1.85	
3	-17.586810	-17°	35'	12.51"	123.849400	123°	50'	57.84"	590129.55	8055325.40	101.3	332.5	TREE	3842.2	12605.7	106.3	348.9	L	1.77	
4	-17.586520	-17°	35'	11.47"	123.849715	123°	50'	58.97"	590163.08	8055357.29	101.9	334.4	TREE	3862.4	12671.8	148.0	485.6	L	1.81	
5	-17.588700	-17°	35'	19.32"	123.851883	123°	51'	06.77"	590392.01	8055115.05	106.7	350.0	ANTENNA	4162.0	13655.0	1.9	6.2	L	1.73	
6	-17.591068	-17°	35'	27.84"	123.853874	123°	51'	13.94"	590602.17	8054852.06	106.9	350.8	TREE	4451.5	14604.5	170.3	558.6	R	1.29	
7	-17.589294	-17°	35'	21.45"	123.854850	123°	51'	17.45"	590706.56	8055047.94	108.5	356.0	TREE	4480.2	14698.7	49.9	163.7	L	1.40	
8	-17.590440	-17°	35'	25.58"	123.854612	123°	51'	16.60"	590680.78	8054921.29	108.1	354.8	TREE	4500.7	14765.9	77.7	255.1	R	1.34	
9	-17.590280	-17°	35'	25.00"	123.854762	123°	51'	17.14"	590696.79	8054938.91	109.4	358.9	TREE	4509.4	14794.7	55.6	182.5	R	1.44	
10	-17.589937	-17°	35'	23.77"	123.855549	123°	51'	19.97"	590780.49	8054976.46	109.8	360.2	TREE	4574.6	15008.4	9.0	29.7	L	1.40	

29 TAKE OFF																				
REPSM AT START OF TORA (REPSM 29)												RUNWAY MAGNETIC BEARING			TORA		TODA		ELEVATION AT T.O. ORIGIN	
GEOGRAPHIC								MGA		ELEVATION		(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)	(m)	(Ft)
LAT				LONG				EASTING	NORTHING	(m)	(Ft)									
DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)					(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)	(m)	(Ft)
-17.5852174	-17°	35'	06.783"	123.8420517	123°	50'	31.386"	589350.54	8055505.04	91.5	300.0	288°	38'	11"	3049	10003	3354	11004	77.4	254.0
OBJECTS THAT APPEAR ON THE CHART																				
REF No	GEOGRAPHIC								MGA		ELEVATION TOP		TYPE OF OBSTACLE	DISTANCE FROM SOT		OFFSET			GRADIENT TO TOP	
	LAT				LONG				EASTING	NORTHING	(m)	(FT)		(m)	(FT)	(m)	(FT)	LEFT/RIGHT	%	
DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)													
NO OBJECTS APPEAR ON CHART																				



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[Signature]
DANIEL GEEVES
REGISTERED SURVEYOR
aurecon

25/11/2024
DATE



www.aurecongroup.com



REV	DATE	REVISION DETAILS	APPROVED
A	15.12.23	FOR REVIEW	DG
B	25.03.24	FOR REVIEW	DG
C	02.07.24	FOR ISSUE	DG
D	15.11.24	FOR ISSUE - UPDATE RWS WIDTH	DG
E	25.11.24	FOR ISSUE - UPDATE REPSM COORD	DG

SCALE	SIZE
AS SHOWN	A1/A3
DRAWN	MH
SURVEYED	KI/MH/AAM
CHECKED	GH

FOR ISSUE	NOT FOR CONSTRUCTION
<i>[Signature]</i>	
DANIEL GEEVES	

PROJECT	TITLE	DRAWING No.	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE CURTIN	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 RUNWAY 11/29 - SHEET 3 OF 12	520002	EST09759	DRG	UU	CTN	004	E	

DECLARED DISTANCES FOR EMERGENCY RUNWAY 11R (TWY A)	
TAKE OFF RUN AVAILABLE (TORA)	2250m (7382')
TAKE OFF DISTANCE AVAILABLE (TODA)	2310m (7579') 2.91%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	2250m (7382')
LANDING DISTANCE AVAILABLE (LDA)	2250m (7382')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	1843m (6047') 1.6%, 2038m (6686') 1.9%, 2087m (6847') 2.0%, 2158m (7080') 2.2%, 2235m (7333') 2.5%

LEGEND

	LOWEST SURVEYED SLOPE
	GROUND LEVEL
	MOST LIMITING OBSTACLE
	OBSTACLE

NOTES

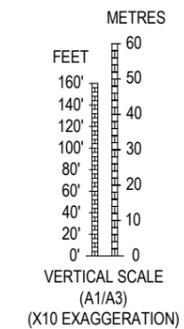
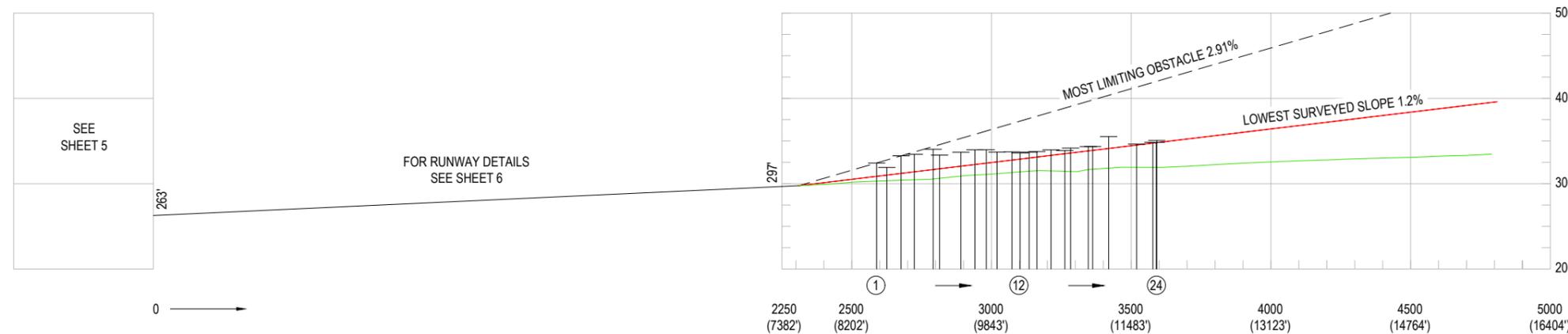
- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 51 THE VERTICAL DATUM BEING AHD.
- HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
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EMAIL: AIS.AF@DEFENCE.GOV.AU
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 1° 44' E (MAY 2023)
- AERIAL SURVEY COMPLETED APRIL 2016 & OCTOBER 2022.
GROUND SURVEY CHECKS AND VERIFICATION NOVEMBER 2022.

LEGEND

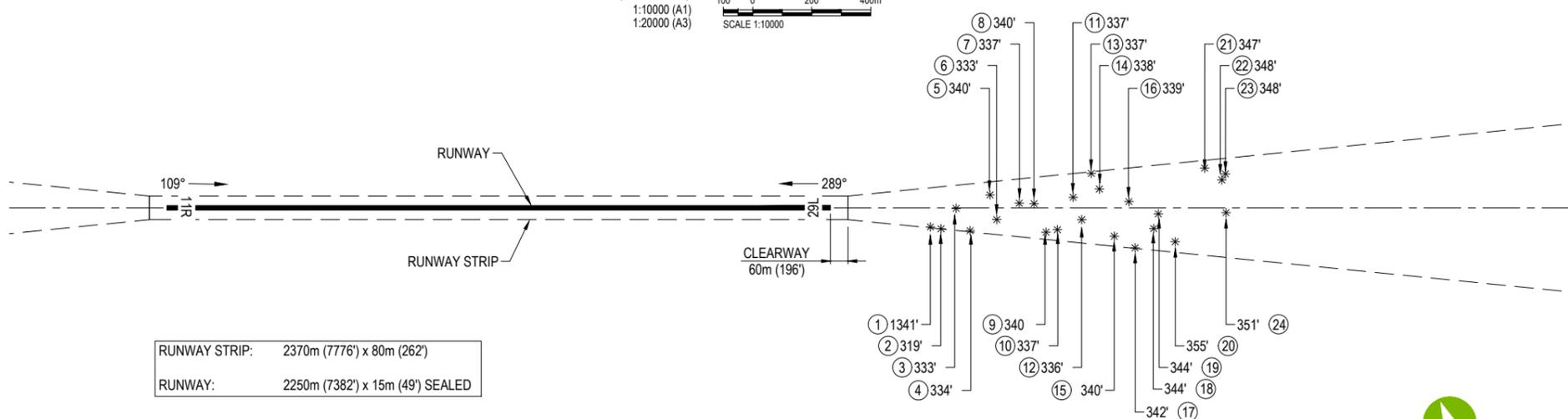
OBSTRUCTIONS AND OBSTACLES

	OBJECT NUMBER
392	TOP ELEVATION IN FEET
	TREE(S) OR VEGETATION
	BUILDING OR LARGE STRUCTURE
	POLE, TOWER, SPIRE ETC
	ANTENNA
	MOVING (ROADS, RAILWAY TRACKS ETC)
	TERRAIN PENETRATING LOWEST SURVEYED SLOPE
	OVERHEAD TRANSMISSION LINE
	FENCE LINE



**EMERGENCY RUNWAY 11R
TWY A (CODE 2)**

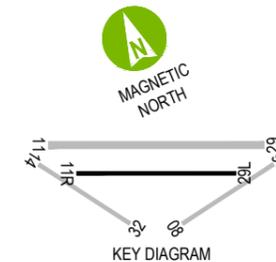
1:10000 (A1)
1:20000 (A3)



RUNWAY STRIP:	2370m (7776') x 80m (262')
RUNWAY:	2250m (7382') x 15m (49') SEALED

EMERGENCY RUNWAY 11R (TWY A) SURVEY HAS BEEN ASSESSED BASED ON THE FOLLOWING "CODE 2" TAKE-OFF PARAMETERS:
LENGTH OF INNER EDGE - 80m
RATE OF DIVERGENCE (EACH SIDE) - 10%
FINAL WIDTH - 580m
OVERALL LENGTH - 2500m

THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.



DANIEL GEEVES
REGISTERED SURVEYOR
aurecon
25/11/2024
DATE



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A	15.12.23	FOR REVIEW	DG
B	25.03.24	FOR REVIEW	DG
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E	25.11.24	FOR ISSUE - UPDATE RESPM COORD	DG

SCALE	SIZE
AS SHOWN	A1/A3
DRAWN	
MH	
SURVEYED	
KI/MH/AAM	
CHECKED	
GH	

FOR ISSUE	APPROVED
NOT FOR CONSTRUCTION	
	DANIEL GEEVES
	DATE 25/11/2024

PROJECT	TITLE	DRAWING No.	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE CURTIN	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 EMERGENCY RUNWAY 11R (TWY A) - SHEET 4 OF 12	520002	EST09759	DRG	UU	CTN	005	E	

DECLARED DISTANCES FOR EMERGENCY RUNWAY 29L (TWY A)	
TAKE OFF RUN AVAILABLE (TORA)	2250m (7382')
TAKE OFF DISTANCE AVAILABLE (TODA)	2310m (7579') 2.25%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	2250m (7382')
LANDING DISTANCE AVAILABLE (LDA)	2250m (7382')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	2185m (7169') 1.6%, 2245m (7365') 1.9%, 2265m (7431') 2.0%, 2301m (7549') 2.2%

- LEGEND**
- LOWEST SURVEYED SLOPE
 - GROUND LEVEL
 - - - MOST LIMITING OBSTACLE
 - ① OBSTACLE

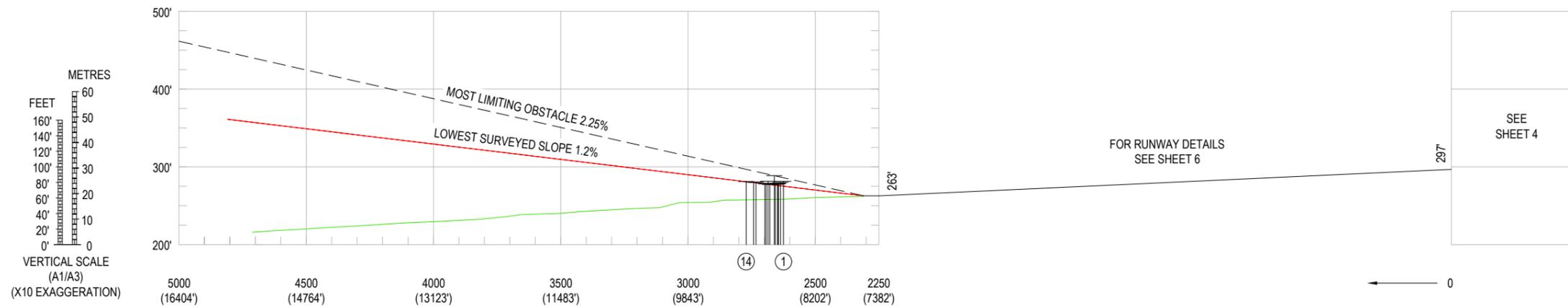
NOTES

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- USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS SOON AS THEY BECOME APPARENT TO :-

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EMAIL: AIS.AF@DEFENCE.GOV.AU
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 1° 44' E (MAY 2023)
- AERIAL SURVEY COMPLETED APRIL 2016 & OCTOBER 2022.
GROUND SURVEY CHECKS AND VERIFICATION NOVEMBER 2022.

LEGEND

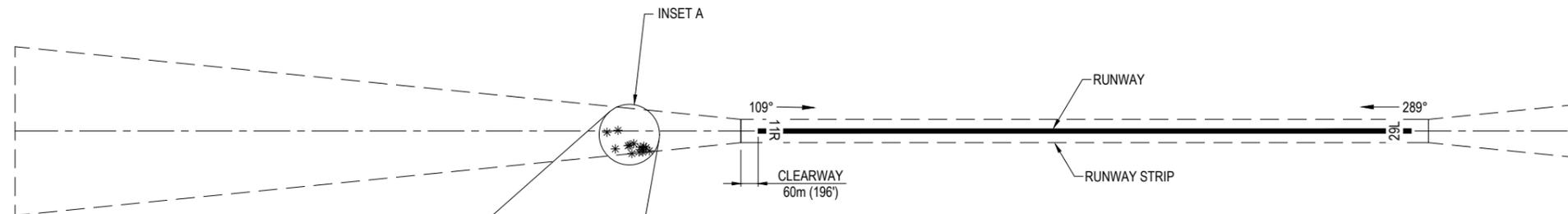
- OBSTRUCTIONS AND OBSTACLES**
- ① OBJECT NUMBER
 - 392 TOP ELEVATION IN FEET
 - * TREE(S) OR VEGETATION
 - BUILDING OR LARGE STRUCTURE
 - POLE, TOWER, SPIRE ETC
 - △ ANTENNA
 - MOVING (ROADS, RAILWAY TRACKS ETC)
 - TERRAIN PENETRATING LOWEST SURVEYED SLOPE
 - OVERHEAD TRANSMISSION LINE
 - FENCE LINE



EMERGENCY RUNWAY 29L

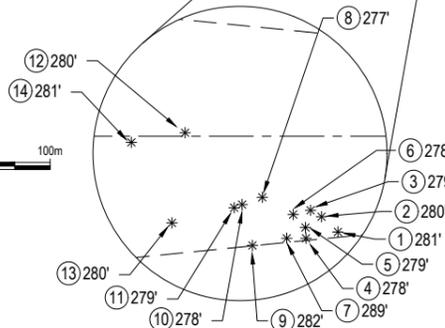
TWY A (CODE 2)

1:10000 (A1)
1:20000 (A3)



RUNWAY STRIP:	2370m (7776') x 80m (262')
RUNWAY:	2250m (7382') x 15m (49') SEALED

INSET A



EMERGENCY RUNWAY 29L (TWY A) SURVEY HAS BEEN ASSESSED BASED ON THE FOLLOWING "CODE 2" TAKE-OFF PARAMETERS:
LENGTH OF INNER EDGE - 80m
RATE OF DIVERGENCE (EACH SIDE) - 10%
FINAL WIDTH - 580m
OVERALL LENGTH - 2500m

THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.

[Signature]
DANIEL GEEVES
REGISTERED SURVEYOR
aurecon

25/11/2024
DATE



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D	15.11.24	FOR ISSUE - UPDATE RWS WIDTH	DG
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SCALE	SIZE
AS SHOWN	A1/A3
DRAWN	
MH	
SURVEYED	
KI/MH/AAM	
CHECKED	
GH	

FOR ISSUE	APPROVED
NOT FOR CONSTRUCTION	<i>[Signature]</i>
	DANIEL GEEVES
	DATE 25/11/2024

PROJECT	TITLE	DRAWING No.	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE CURTIN	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 EMERGENCY RUNWAY 29L (TWY A) - SHEET 5 OF 12	520002	EST09759	DRG	UU	CTN	006	E	

AERODROME OBSTACLE CHART - ICAO TYPE A
(OPERATING LIMITATIONS) NOVEMBER 2024, COMPILED BY AURECON

TO BE READ IN CONJUNCTION WITH CURRENT NOTAMS

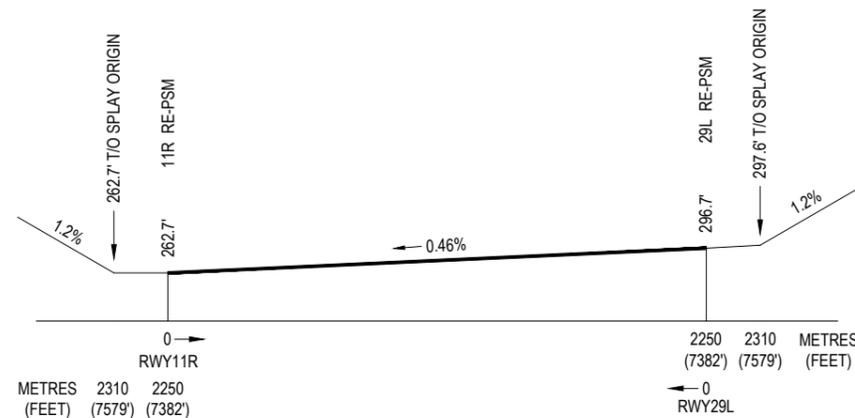
THE ORIGIN OF THE TAKE OFF SURFACE IS LOCATED AT THE END OF THE CLEARWAY
DISTANCES COMMENCE FROM THE RAAF RE-PSM AT THE START OF THE TAKE-OFF RUNWAY (SOT)

DATUM

AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 51
THE VERTICAL DATUM BEING AHD.

DEFINITIONS

- RE-PSM: RUNWAY END PERMANENT SURVEY MARK
- LENGTH OF INNER EDGE 80m
- RATE OF DIVERGENCE OF SPLAY (EACH SIDE) 10%
- FINAL WIDTH 580m
- OVERALL LENGTH 2500m



EMERGENCY RWY 11R (TWY A) TAKE OFF

REPSM AT START OF TORA (REPSM 11R)																				RUNWAY MAGNETIC BEARING			TORA		TODA		ELEVATION AT T.O. ORIGIN	
GEOGRAPHIC								MGA		ELEVATION		(DEG) (MIN) (SEC)			(m)	(Ft)	(m)	(Ft)	(m)	(Ft)								
LAT				LONG				EASTING	NORTHING	(m)	(Ft)	(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)	(m)	(Ft)								
DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)																					
-17.5802695	-17°	34'	48.970"	123.8173390	123°	49'	02.421"	586730.47	8056063.95	80.1	262.7	108°	38'	12"	2250	7382	2310	7579	90.7	297.6								

OBJECTS THAT APPEAR ON THE CHART																			
REF No	GEOGRAPHIC								MGA		ELEVATION TOP		TYPE OF OBSTACLE	DISTANCE FROM SOT		OFFSET		GRADIENT TO TOP	
	LAT				LONG				EASTING	NORTHING	(m)	(FT)		(m)	(FT)	(m)	(FT)	LEFT/RIGHT	%
1	-17.588964	-17°	35'	20.27"	123.839994	123°	50'	23.97"	589130.34	8055091.46	98.8	324.2	TREES	2589.4	8495.4	64.7	212.4	R	2.90
2	-17.589132	-17°	35'	20.87"	123.840293	123°	50'	25.05"	589161.93	8055072.79	97.3	319.1	TREES	2625.6	8614.0	71.1	233.2	R	2.07
3	-17.588706	-17°	35'	19.34"	123.840972	123°	50'	27.49"	589234.27	8055119.59	101.4	332.6	TREES	2676.8	8782.1	1.8	5.9	R	2.91
4	-17.589494	-17°	35'	22.17"	123.841142	123°	50'	28.11"	589251.90	8055032.34	101.9	334.4	TREES	2724.0	8937.1	77.3	253.5	R	2.71
5	-17.588680	-17°	35'	19.24"	123.842136	123°	50'	31.68"	589357.72	8055121.85	103.7	340.3	TREES	2791.6	9158.7	43.8	143.8	L	2.70
6	-17.589461	-17°	35'	22.05"	123.842063	123°	50'	31.42"	589349.67	8055035.51	101.6	333.4	TREES	2814.4	9233.7	39.8	130.7	R	2.16
7	-17.589231	-17°	35'	21.23"	123.842920	123°	50'	34.51"	589440.68	8055060.56	102.7	336.8	TREES	2890.8	9484.3	15.7	51.5	L	2.06
8	-17.589401	-17°	35'	21.84"	123.843357	123°	50'	36.08"	589486.99	8055041.59	103.6	339.8	TREES	2940.9	9648.5	14.2	46.7	L	2.04
9	-17.590349	-17°	35'	25.25"	123.843399	123°	50'	36.23"	589490.93	8054936.61	103.6	339.8	TREES	2981.5	9782.0	82.6	271.1	R	1.92
10	-17.590399	-17°	35'	25.43"	123.843767	123°	50'	37.56"	589530.05	8054930.95	102.7	337.0	TREES	3020.2	9908.7	74.2	243.3	R	1.69
11	-17.589636	-17°	35'	22.69"	123.844601	123°	50'	40.56"	589618.84	8055014.93	102.8	337.3	TREES	3073.7	10084.3	35.7	117.3	L	1.59
12	-17.590370	-17°	35'	25.33"	123.844608	123°	50'	40.58"	589619.21	8054933.79	102.4	336.0	TREES	3102.6	10179.2	40.1	131.5	R	1.48
13	-17.589144	-17°	35'	20.91"	123.845409	123°	50'	43.47"	589704.81	8055069.06	102.7	336.9	TREES	3135.1	10285.8	116.7	382.9	L	1.45
14	-17.589678	-17°	35'	22.84"	123.845478	123°	50'	43.72"	589711.90	8055009.87	102.9	337.6	TREES	3162.6	10376.0	63.8	209.4	L	1.43
15	-17.591193	-17°	35'	28.29"	123.845401	123°	50'	43.44"	589702.97	8054842.33	103.5	339.6	TREES	3213.3	10542.2	96.2	315.6	R	1.42
16	-17.590355	-17°	35'	25.27"	123.846223	123°	50'	46.40"	589790.66	8054934.68	103.3	338.9	TREES	3262.8	10704.8	21.2	69.5	L	1.32
17	-17.591748	-17°	35'	30.29"	123.845891	123°	50'	45.20"	589754.77	8054780.65	104.2	341.7	TREES	3283.5	10772.7	135.7	445.1	R	1.38
18	-17.591394	-17°	35'	29.01"	123.846666	123°	50'	47.99"	589837.11	8054819.49	104.7	343.5	TREES	3346.9	10980.7	70.3	230.7	R	1.35
19	-17.591020	-17°	35'	27.67"	123.846966	123°	50'	49.07"	589869.19	8054860.68	104.7	343.6	TREES	3362.4	11031.6	20.4	67.1	R	1.33
20	-17.592000	-17°	35'	31.19"	123.847163	123°	50'	49.78"	589889.53	8054752.23	108.3	355.2	TREES	3419.7	11219.4	114.8	376.6	R	1.58
21	-17.590200	-17°	35'	24.72"	123.848863	123°	50'	55.90"	590070.86	8054950.53	105.6	346.4	TREE	3519.6	11547.1	134.7	442.1	L	1.23
22	-17.590722	-17°	35'	26.59"	123.849246	123°	50'	57.28"	590111.22	8054892.63	106.2	348.4	TREE	3577.8	11738.0	94.8	310.9	L	1.22
23	-17.590587	-17°	35'	26.11"	123.849422	123°	50'	57.91"	590129.97	8054907.41	106.2	348.4	TREE	3590.1	11778.5	115.2	378.0	L	1.21
24	-17.591708	-17°	35'	30.14"	123.849009	123°	50'	56.43"	590085.61	8054783.66	106.9	350.6	TREE	3592.2	11785.3	16.3	53.4	R	1.26

EMERGENCY RWY 29L (TWY A) TAKE OFF

REPSM AT START OF TORA (REPSM 29L)																				RUNWAY MAGNETIC BEARING			TORA		TODA		ELEVATION AT T.O. ORIGIN	
GEOGRAPHIC								MGA		ELEVATION		(DEG) (MIN) (SEC)			(m)	(Ft)	(m)	(Ft)	(m)	(Ft)								
LAT				LONG				EASTING	NORTHING	(m)	(Ft)	(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)	(m)	(Ft)								
DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)																					
-17.5873482	-17°	35'	14.454"	123.8372091	123°	50'	13.953"	588835.61	8055271.56	90.4	296.7	288°	38'	12"	2250	7382	2310	7579	80.1	262.7								

OBJECTS THAT APPEAR ON THE CHART																			
REF No	GEOGRAPHIC								MGA		ELEVATION TOP		TYPE OF OBSTACLE	DISTANCE FROM SOT		OFFSET		GRADIENT TO TOP	
	LAT				LONG				EASTING	NORTHING	(m)	(FT)		(m)	(FT)	(m)	(FT)	LEFT/RIGHT	%
1	-17.579663	-17°	34'	46.78"	123.813805	123°	48'	49.69"	586355.75	8056132.65	85.7	281.3	TREE	2625.0	8612.3	67.7	222.2	L	1.80
2	-17.579535	-17°	34'	46.32"	123.813738	123°	48'	49.45"	586348.71	8056146.82	85.4	280.1	TREE	2636.6	8650.3	56.9	186.8	L	1.62
3	-17.579473	-17°	34'	46.10"	123.813685	123°	48'	49.26"	586343.04	8056153.79	85.0	279.0	TREE	2644.4	8675.8	52.4	172.0	L	1.49
4	-17.579630	-17°	34'	46.66"	123.813591	123°	48'	48.92"	586333.04	8056136.43	84.7	278.0	TREE	2647.6	8686.4	72.2	236.9	L	1.38
5	-17.579564	-17°	34'	46.43"	123.813613	123°	48'	49.00"	586335.37	8056143.69	84.9	278.7	TREE	2648.0	8687.7	64.6	211.9	L	1.44
6	-17.579459	-17°	34'	46.05"	123.813566	123°	48'	48.83"	586330.48	8056155.33	84.6	277.5	TREE	2656.7	8716.1	55.4	181.8	L	1.30
7	-17.579587	-17°	34'	46.51"	123.813471	123°	48'	48.49"	586320.33	8056141.20	88.0	288.6	TREE	2661.2	8731.0	72.2	236.9	L	2.25
8	-17.579287	-17°	34'	45.43"	123.813413	123°	48'	48.28"	586314.31	8056174.42	84.6	277.4	TREE	2678.6	8787.9	43.2	141.8	L	1.22
9	-17.579554	-17°	34'	46.39"	123.813240	123°	48'	47.66"	586295.81	8056145.01	85.8	281.5	TREE	2685.5	8810.7	77.3	253.6	L	1.53
10	-17.579286	-17°	34'	45.42"	123.813270	123°	48'	47.77"	586299.15	8056174.65	84.8	278.1	TREE	2692.8	8834.7	48.4	158.7	L	1.22
11	-17.579287	-17°	34'	45.43"	123.813213	123°	48'	47.56"	586293.09	8056174.55	85.0	279.0	TREE	2698.5	8853.2	50.6	166.0	L	1.28
12	-17.578728	-17°	34'	43.42"	123.813080	123°	48'	47.08"	586279.28	8056236.44	85.5	280.3	TREE	2733.2	8967.2	2.5	8.2	R	1.27
13	-17.579239	-17°	34'	45.26"	123.812789	123°	48'	46.03"	586248.09	8056180.03	85.4	280.3	TREE	2742.5	8997.8	61.3	201.2	L	1.24
14	-17.578667	-17°	34'	43.19"	123.812722	123°	48'	45.80"	586241.30	8056243.41	85.7	281.1	TREE	2771.2	9091.9	4.4	14.3	L	1.22

THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.

DANIEL GEEVES
REGISTERED SURVEYOR
aurecon

25/11/2024
DATE



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REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	FOR ISSUE	PROJECT	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT
A	15.12.23	FOR REVIEW	DG	AS SHOWN	A1/A3	NOT FOR CONSTRUCTION	RAAF BASE CURTIN	
B	25.03.24	FOR REVIEW	DG					
C	02.07.24	FOR ISSUE	DG	DRAWN		APPROVED		
D	15.11.24	FOR ISSUE - UPDATE RWS WIDTH	DG	SURVEYED				
E	25.11.24	FOR ISSUE - UPDATE REPSM COORD	DG	KI/MH/AAM				
				CHECKED				
				GH		DANIEL GEEVES		

TITLE	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 EMERGENCY RUNWAY 11R/29L (TWY A) - SHEET 6 OF 12	520002	EST09759	DRG	UU	CTN	007	E

DECLARED DISTANCES FOR EMERGENCY RUNWAY 08 (TWY G)	
TAKE OFF RUN AVAILABLE (TORA)	1534m (5033')
TAKE OFF DISTANCE AVAILABLE (TODA)	1594m (5230') 1.20%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	1534m (5033')
LANDING DISTANCE AVAILABLE (LDA)	1534m (5033')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	NIL

LEGEND

	LOWEST SURVEYED SLOPE
	GROUND LEVEL
	MOST LIMITING OBSTACLE
	OBSTACLE

NOTES

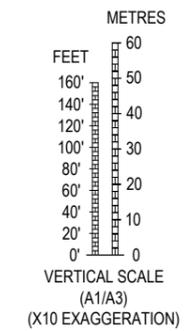
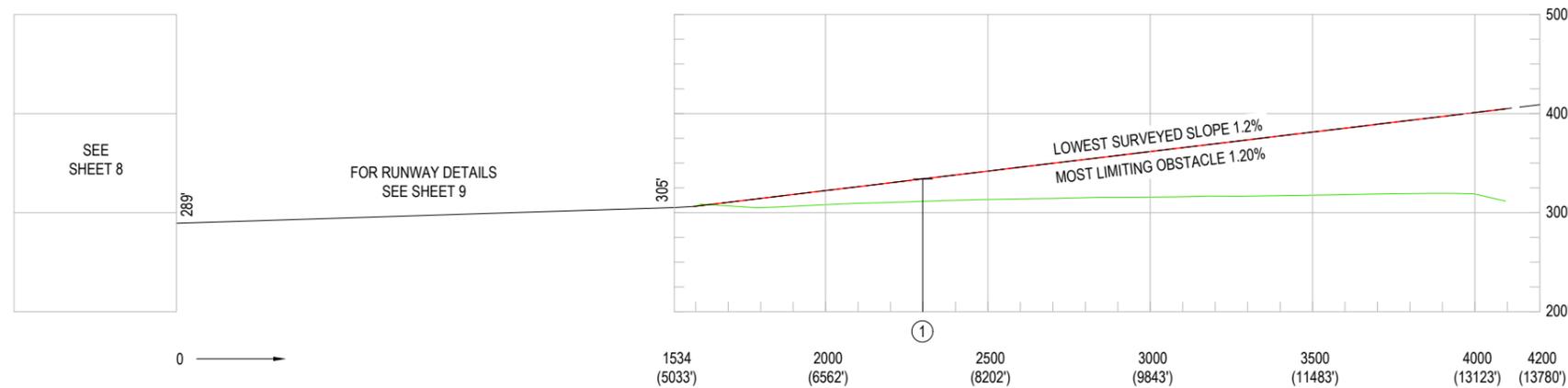
- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 51 THE VERTICAL DATUM BEING AHD.
- HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
- USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS SOON AS THEY BECOME APPARENT TO :-

AERONAUTICAL INFORMATION SERVICE - AIR FORCE
EMAIL: AIS.AF@DEFENCE.GOV.AU
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 1° 44' E (MAY 2023)
- AERIAL SURVEY COMPLETED APRIL 2016 & OCTOBER 2022.
GROUND SURVEY CHECKS AND VERIFICATION NOVEMBER 2022.

LEGEND

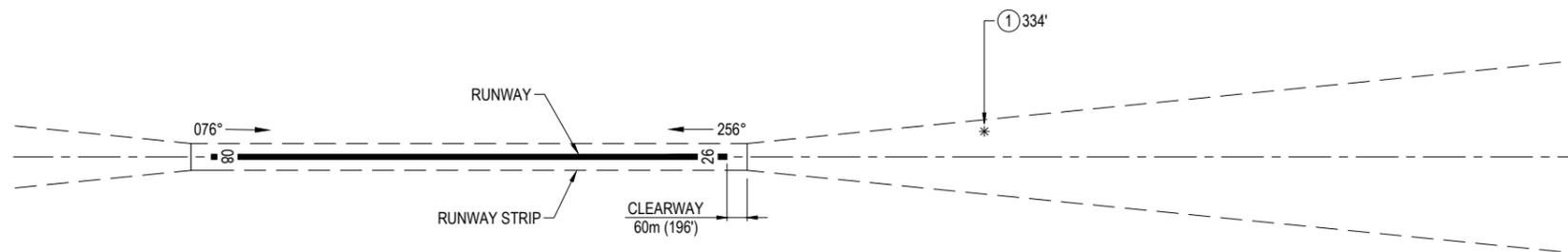
OBSTRUCTIONS AND OBSTACLES

	OBJECT NUMBER
392'	TOP ELEVATION IN FEET
	TREE(S) OR VEGETATION
	BUILDING OR LARGE STRUCTURE
	POLE, TOWER, SPIRE ETC
	ANTENNA
	MOVING (ROADS, RAILWAY TRACKS ETC)
	TERRAIN PENETRATING LOWEST SURVEYED SLOPE
	OVERHEAD TRANSMISSION LINE
	FENCE LINE

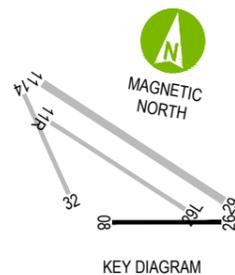


**EMERGENCY RUNWAY 08
TWY G (CODE 2)**

1:10000 (A1)
1:20000 (A3)
SCALE 1:10000



RUNWAY STRIP:	1654m (5427') x 80m (262')
RUNWAY:	1534m (5033') x 15m (49') SEALED



EMERGENCY RUNWAY 08 (TWY G) SURVEY HAS BEEN ASSESSED BASED ON THE FOLLOWING "CODE 2" TAKE-OFF PARAMETERS:
LENGTH OF INNER EDGE - 80m
RATE OF DIVERGENCE (EACH SIDE) - 10%
FINAL WIDTH - 580m
OVERALL LENGTH - 2500m

THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.

DANIEL GEEVES
REGISTERED SURVEYOR
aurecon

25/11/2024
DATE



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REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	FOR ISSUE	PROJECT
A	15.12.23	FOR REVIEW	DG	AS SHOWN	A1/A3	NOT FOR CONSTRUCTION	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE CURTIN
B	25.03.24	FOR REVIEW	DG				
C	02.07.24	FOR ISSUE	DG	DRAWN		APPROVED	
D	15.11.24	FOR ISSUE - UPDATE RWS WIDTH	DG	SURVEYED			
E	25.11.24	FOR ISSUE - UPDATE RESPM COORD	DG	KI/MH/AAM			
				CHECKED			
				GH		DANIEL GEEVES	

TITLE	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 EMERGENCY RUNWAY 08 (TWY G) - SHEET 7 OF 12						
DRAWING No.	520002	PROJECT No.	EST09759	WBS	DRG	TYPE	UU
		DISC	CTN	SITE	008	NUMBER	E

DECLARED DISTANCES FOR EMERGENCY RUNWAY 26 (TWY G)	
TAKE OFF RUN AVAILABLE (TORA)	1534m (5033')
TAKE OFF DISTANCE AVAILABLE (TODA)	1594m (5230') 3.61%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	1534m (5033')
LANDING DISTANCE AVAILABLE (LDA)	1534m (5033')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	1409m (4623') 1.6%, 1457m (4780') 1.9%, 1470m (4823') 2.0% 1493m (4898') 2.2%, 1521m (4990') 2.5%, 1578m (5177') 3.3%

NOTES

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 51 THE VERTICAL DATUM BEING AHD.
- HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
- USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS SOON AS THEY BECOME APPARENT TO :-

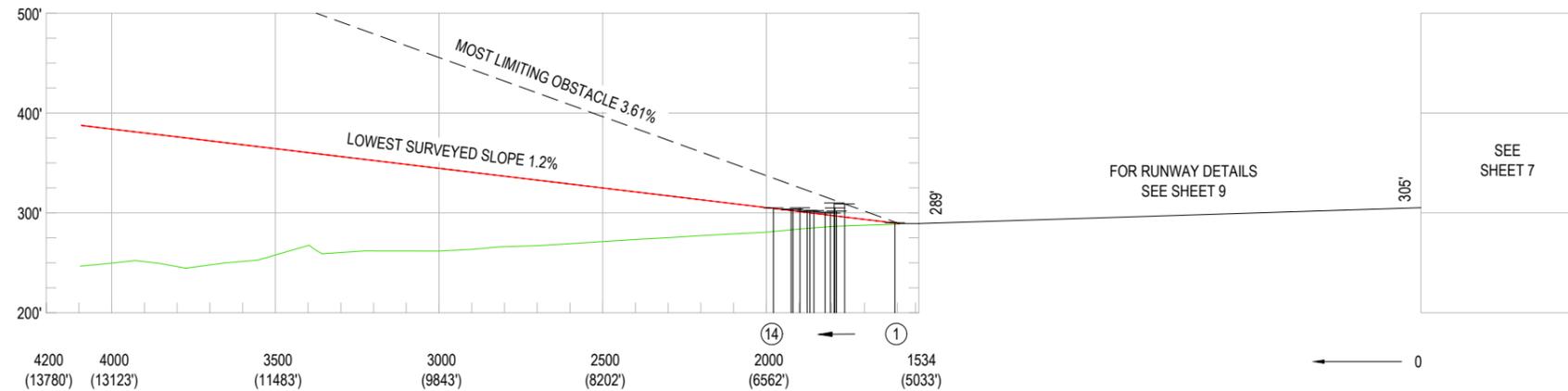
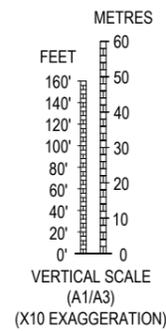
AERONAUTICAL INFORMATION SERVICE - AIR FORCE
EMAIL: AIS.AF@DEFENCE.GOV.AU
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 1° 44' E (MAY 2023)
- AERIAL SURVEY COMPLETED APRIL 2016 & OCTOBER 2022.
GROUND SURVEY CHECKS AND VERIFICATION NOVEMBER 2022.

LEGEND

- OBSTRUCTIONS AND OBSTACLES**
- ① OBJECT NUMBER
 - 392 TOP ELEVATION IN FEET
 - * TREE(S) OR VEGETATION
 - BUILDING OR LARGE STRUCTURE
 - POLE, TOWER, SPIRE ETC
 - △ ANTENNA
 - MOVING (ROADS, RAILWAY TRACKS ETC)
 - TERRAIN PENETRATING LOWEST SURVEYED SLOPE
 - OVERHEAD TRANSMISSION LINE
 - FENCE LINE

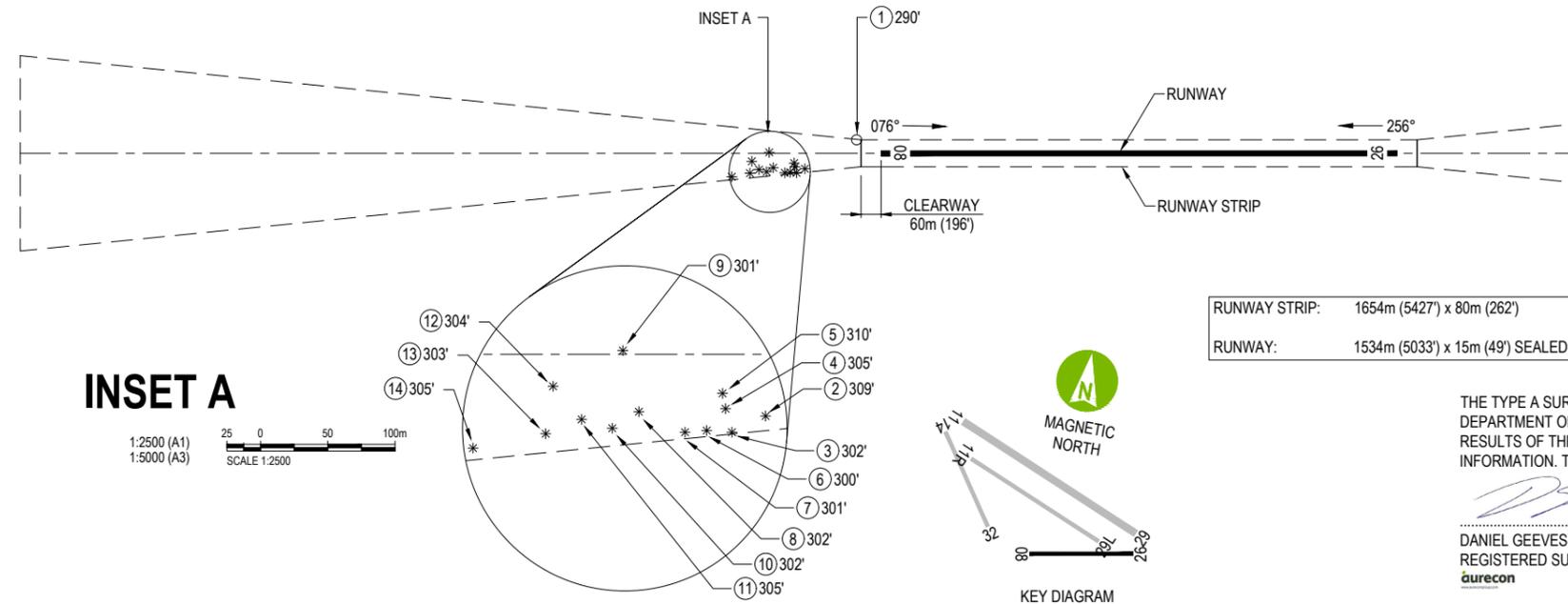
LEGEND

- LOWEST SURVEYED SLOPE
- GROUND LEVEL
- - - MOST LIMITING OBSTACLE
- ① OBSTACLE



**EMERGENCY RUNWAY 26
TWY G (CODE 2)**

1:10000 (A1)
1:20000 (A3)



THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.

[Signature]
DANIEL GEEVES
REGISTERED SURVEYOR
aurecon

25/11/2024
DATE

EMERGENCY RUNWAY 26 (TWY G) SURVEY HAS BEEN ASSESSED BASED ON THE FOLLOWING "CODE 2" TAKE-OFF PARAMETERS:
LENGTH OF INNER EDGE - 80m
RATE OF DIVERGENCE (EACH SIDE) - 10%
FINAL WIDTH - 580m
OVERALL LENGTH - 2500m



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REV	DATE	REVISION DETAILS	APPROVED
A	15.12.23	FOR REVIEW	DG
B	25.03.24	FOR REVIEW	DG
C	02.07.24	FOR ISSUE	DG
D	15.11.24	FOR ISSUE - UPDATE RWS WIDTH	DG
E	25.11.24	FOR ISSUE - UPDATE RESPM COORD	DG

SCALE	SIZE
AS SHOWN	A1/A3
DRAWN	
MH	
SURVEYED	
KI/MH/AAM	
CHECKED	
GH	

FOR ISSUE
NOT FOR CONSTRUCTION

APPROVED

[Signature]
DANIEL GEEVES

DATE
25/11/2024

PROJECT	TITLE	DRAWING No.	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE CURTIN	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 EMERGENCY RUNWAY 26 (TWY G) - SHEET 8 OF 12	520002	EST09759	DRG	UU	CTN	009	E	

AERODROME OBSTACLE CHART - ICAO TYPE A
(OPERATING LIMITATIONS) NOVEMBER 2024, COMPILED BY AURECON

TO BE READ IN CONJUNCTION WITH CURRENT NOTAMS

THE ORIGIN OF THE TAKE OFF SURFACE IS LOCATED AT THE END OF THE CLEARWAY
DISTANCES COMMENCE FROM THE RAAF RE-PSM AT THE START OF THE TAKE-OFF RUNWAY (SOT)

DATUM

AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 51
THE VERTICAL DATUM BEING AHD.

DEFINITIONS

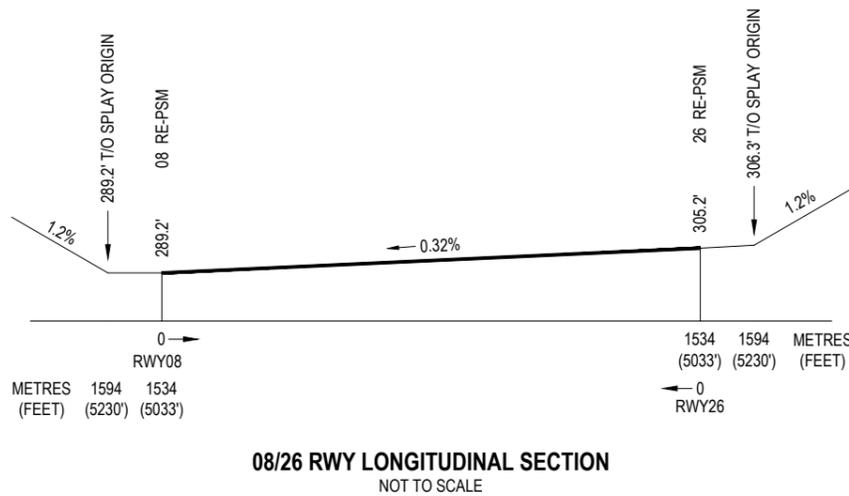
- RE-PSM: RUNWAY END PERMANENT SURVEY MARK
- LENGTH OF INNER EDGE 80m
- RATE OF DIVERGENCE OF SPLAY (EACH SIDE) 10%
- FINAL WIDTH 580m
- OVERALL LENGTH 2500m

EMERGENCY RWY 08 (TWY G) TAKE OFF																				
REPSM AT START OF TORA (REPSM 08)												RUNWAY MAGNETIC BEARING			TORA		TODA		ELEVATION AT T.O. ORIGIN	
GEOGRAPHIC								MGA		ELEVATION										
LAT				LONG				EASTING	NORTHING	(m)	(Ft)	(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)	(m)	(Ft)
DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)													
-17.5909954	-17°	35'	27.583"	123.8282206	123°	49'	41.594"	587880.03	8054872.22	88.2	289.2	75°	38'	10"	1534	5033	1594	5230	93.4	306.3

OBJECTS THAT APPEAR ON THE CHART																			
REF No	GEOGRAPHIC								MGA		ELEVATION TOP		TYPE OF OBSTACLE	DISTANCE FROM SOT		OFFSET		GRADIENT TO TOP	
	LAT				LONG				EASTING	NORTHING	(m)	(FT)		(m)	(FT)	(m)	(FT)	LEFT/RIGHT	%
DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)												
1	-17.585784	-17°	35'	08.82"	123.849205	123°	50'	57.13"	590109.32	8055438.93	101.8	334.1	TREE	2299.6	7544.8	75.9	248.9	L	1.20

EMERGENCY RWY 26 (TWY G) TAKE OFF																				
REPSM AT START OF TORA (REPSM 26)												RUNWAY MAGNETIC BEARING			TORA		TODA		ELEVATION AT T.O. ORIGIN	
GEOGRAPHIC								MGA		ELEVATION										
LAT				LONG				EASTING	NORTHING	(m)	(Ft)	(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)	(m)	(Ft)
DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)													
-17.5879652	-17°	35'	16.675"	123.8423248	123°	50'	32.369"	589378.16	8055200.89	93.0	305.2	255°	38'	10"	1534	5033	1594	5230	88.2	289.2

REF No	GEOGRAPHIC								MGA		ELEVATION TOP		TYPE OF OBSTACLE	DISTANCE FROM SOT		OFFSET		GRADIENT TO TOP	
	LAT				LONG				EASTING	NORTHING	(m)	(FT)		(m)	(FT)	(m)	(FT)	LEFT/RIGHT	%
DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)												
1	-17.590787	-17°	35'	26.83"	123.827465	123°	49'	38.87"	587799.90	8054895.61	88.4	290.1	POST	1607.5	5274.0	40.0	131.3	R	1.97
2	-17.591847	-17°	35'	30.65"	123.826231	123°	49'	34.43"	587668.46	8054778.88	94.2	309.0	TREES	1761.0	5777.4	45.9	150.4	L	3.61
3	-17.592003	-17°	35'	31.20"	123.826025	123°	49'	33.69"	587646.60	8054761.79	92.0	301.7	TREES	1786.0	5859.5	57.9	189.8	L	1.98
4	-17.591858	-17°	35'	30.68"	123.825946	123°	49'	33.40"	587638.22	8054777.86	92.9	304.9	TREES	1790.7	5875.1	40.4	132.5	L	2.43
5	-17.591762	-17°	35'	30.34"	123.825901	123°	49'	33.24"	587633.54	8054788.45	94.5	310.0	TREES	1793.0	5882.6	29.0	95.2	L	3.18
6	-17.592028	-17°	35'	31.30"	123.825850	123°	49'	33.06"	587627.98	8054759.03	91.4	299.8	TREES	1804.8	5921.1	56.6	185.6	L	1.53
7	-17.592071	-17°	35'	31.45"	123.825704	123°	49'	32.53"	587612.50	8054754.33	91.6	300.6	TREES	1820.9	5974.1	57.8	189.8	L	1.53
8	-17.592005	-17°	35'	31.21"	123.825357	123°	49'	31.28"	587575.72	8054761.84	92.1	302.3	TREES	1855.2	6086.7	42.6	139.8	L	1.52
9	-17.591628	-17°	35'	29.86"	123.825155	123°	49'	30.55"	587554.38	8054803.64	91.8	301.3	TREES	1867.1	6125.7	2.8	9.2	R	1.35
10	-17.592152	-17°	35'	31.74"	123.825201	123°	49'	30.72"	587559.01	8054745.64	92.1	302.3	TREES	1875.0	6151.6	54.9	180.0	L	1.42
11	-17.592140	-17°	35'	31.70"	123.824978	123°	49'	29.91"	587535.36	8054747.09	93.0	305.0	TREES	1897.8	6226.4	48.4	158.7	L	1.59
12	-17.591965	-17°	35'	31.07"	123.824732	123°	49'	29.03"	587509.39	8054766.58	92.6	303.8	TREES	1919.0	6296.0	23.8	78.0	L	1.36
13	-17.592286	-17°	35'	32.22"	123.824754	123°	49'	29.11"	587511.58	8054731.05	92.5	303.4	TREES	1924.5	6313.9	59.0	193.4	L	1.30
14	-17.592487	-17°	35'	32.95"	123.824279	123°	49'	27.40"	587461.08	8054709.01	92.9	304.9	TREES	1978.6	6491.3	69.7	228.6	L	1.25



THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.

[Signature]
DANIEL GEEVES
REGISTERED SURVEYOR
aurecon

25/11/2024
DATE

REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	FOR ISSUE	PROJECT	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT
A	15.12.23	FOR REVIEW	DG	AS SHOWN	A1/A3	NOT FOR CONSTRUCTION	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT	RAAF BASE CURTIN
B	25.03.24	FOR REVIEW	DG					
C	02.07.24	FOR ISSUE	DG	DRAWN				
D	15.11.24	FOR ISSUE - UPDATE RWS WIDTH	DG	MH				
E	25.11.24	FOR ISSUE - UPDATE REPSM COORD	DG	SURVEYED				
				KI/MH/AAM				
				CHECKED				
				GH				

TITLE	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 EMERGENCY RUNWAY 08/26 (TWY G) - SHEET 9 OF 12	520002	EST09759	DRG	UU	CTN	010	E

DECLARED DISTANCES FOR EMERGENCY RUNWAY 14 (TWY F)	
TAKE OFF RUN AVAILABLE (TORA)	1534m (5033')
TAKE OFF DISTANCE AVAILABLE (TODA)	1594m (5230') 4.91%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	1534m (5033')
LANDING DISTANCE AVAILABLE (LDA)	1534m (5033')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	1195m (3921') 1.6%, 1325m (4347') 1.9%, 1367m (4452') 2.0%, 1410m (4626') 2.2%, 1457m (4780') 2.5%, 1532m (5026') 3.3%

LEGEND

	LOWEST SURVEYED SLOPE
	GROUND LEVEL
	MOST LIMITING OBSTACLE
	OBSTACLE

NOTES

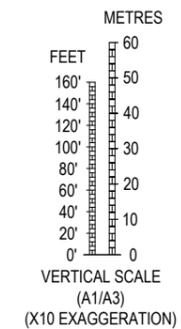
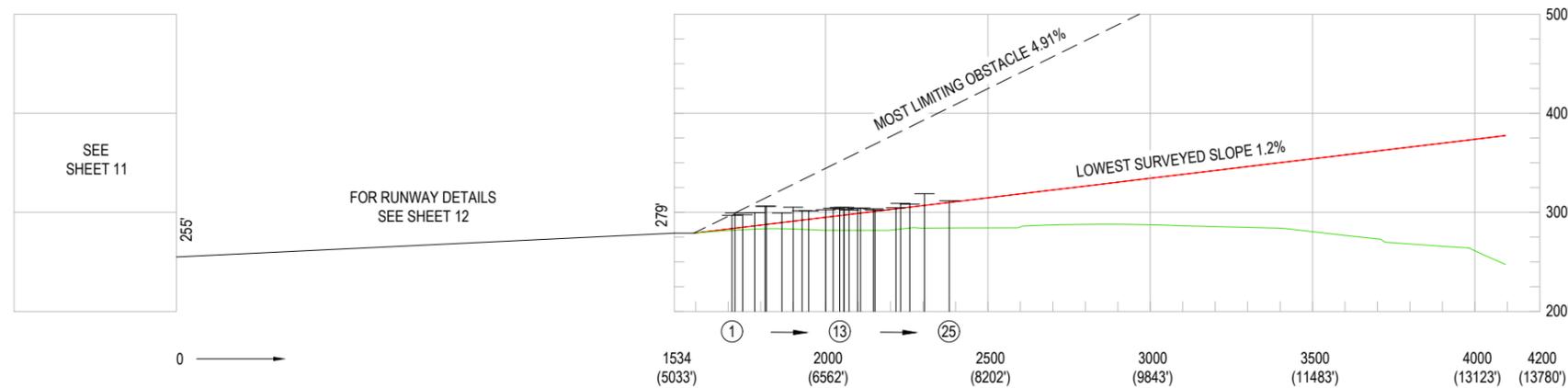
- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 51 THE VERTICAL DATUM BEING AHD.
- HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
- USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS SOON AS THEY BECOME APPARENT TO :-

AERONAUTICAL INFORMATION SERVICE - AIR FORCE
EMAIL: AIS.AF@DEFENCE.GOV.AU
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 1° 44' E (MAY 2023)
- AERIAL SURVEY COMPLETED APRIL 2016 & OCTOBER 2022.
GROUND SURVEY CHECKS AND VERIFICATION NOVEMBER 2022.

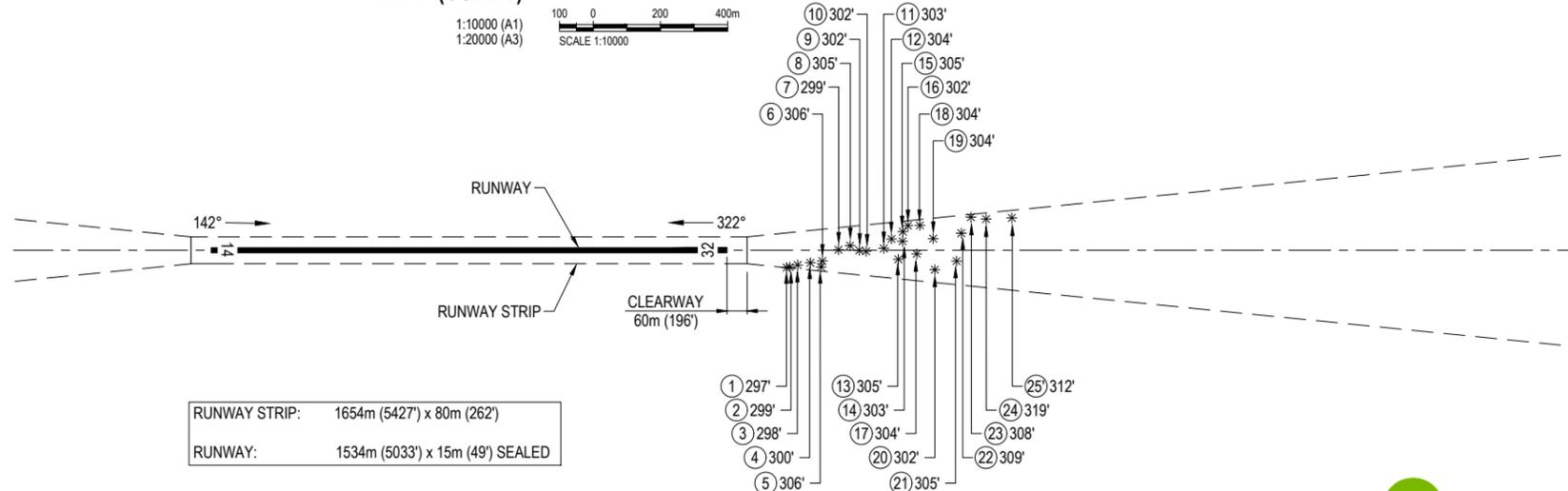
LEGEND

OBSTRUCTIONS AND OBSTACLES

	OBJECT NUMBER
	TOP ELEVATION IN FEET
	TREE(S) OR VEGETATION
	BUILDING OR LARGE STRUCTURE
	POLE, TOWER, SPIRE ETC
	ANTENNA
	MOVING (ROADS, RAILWAY TRACKS ETC)
	TERRAIN PENETRATING LOWEST SURVEYED SLOPE
	OVERHEAD TRANSMISSION LINE
	FENCE LINE

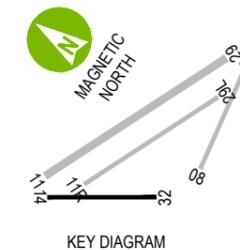


**EMERGENCY RUNWAY 14
TWY F (CODE 2)**



RUNWAY STRIP:	1654m (5427') x 80m (262')
RUNWAY:	1534m (5033') x 15m (49') SEALED

EMERGENCY RUNWAY 14 (TWY F) SURVEY HAS BEEN ASSESSED BASED ON THE FOLLOWING "CODE 2" TAKE-OFF PARAMETERS:
 LENGTH OF INNER EDGE - 80m
 RATE OF DIVERGENCE (EACH SIDE) - 10%
 FINAL WIDTH - 580m
 OVERALL LENGTH - 2500m



THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.

Daniel Geeves
 DANIEL GEEVES
 REGISTERED SURVEYOR
 aurecon

25/11/2024
 DATE



www.aurecongroup.com



REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	FOR ISSUE	PROJECT
A	15.12.23	FOR REVIEW	DG	AS SHOWN	A1/A3	NOT FOR CONSTRUCTION	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE CURTIN
B	25.03.24	FOR REVIEW	DG				
C	02.07.24	FOR ISSUE	DG	DRAWN		APPROVED	
D	15.11.24	FOR ISSUE - UPDATE RWS WIDTH	DG	SURVEYED			
E	25.11.24	FOR ISSUE - UPDATE RESPM COORD	DG	KI/MH/AAM			
				CHECKED			
				GH		DANIEL GEEVES	

TITLE	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 EMERGENCY RUNWAY 14 (TWY F) - SHEET 10 OF 12												
DRAWING No.	520002	PROJECT No.	EST09759	WBS	DRG	DISC	UU	SITE	CTN	NUMBER	011	REV	E

DECLARED DISTANCES FOR EMERGENCY RUNWAY 32 (TWY F)		
TAKE OFF RUN AVAILABLE (TORA)	1534m (5033')	
TAKE OFF DISTANCE AVAILABLE (TODA)	1594m (5230')	1.0%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	1534m (5033')	
LANDING DISTANCE AVAILABLE (LDA)	1534m (5033')	
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	NIL	

NOTES

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 51 THE VERTICAL DATUM BEING AHD.
- HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
- USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS SOON AS THEY BECOME APPARENT TO :-

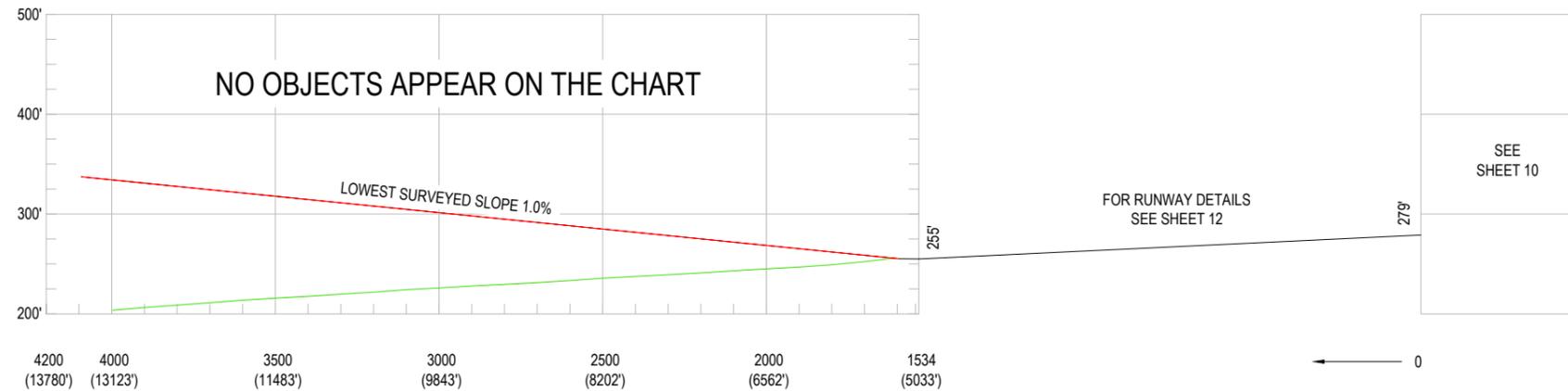
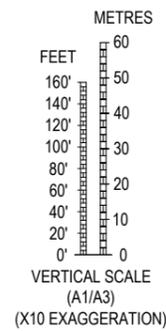
AERONAUTICAL INFORMATION SERVICE - AIR FORCE
EMAIL: AIS.AF@DEFENCE.GOV.AU
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 1° 44' E (MAY 2023)
- AERIAL SURVEY COMPLETED APRIL 2016 & OCTOBER 2022.
GROUND SURVEY CHECKS AND VERIFICATION NOVEMBER 2022.

LEGEND

- OBSTRUCTIONS AND OBSTACLES**
- ① OBJECT NUMBER
 - 392 TOP ELEVATION IN FEET
 - * TREE(S) OR VEGETATION
 - BUILDING OR LARGE STRUCTURE
 - POLE, TOWER, SPIRE ETC
 - △ ANTENNA
 - MOVING (ROADS, RAILWAY TRACKS ETC)
 - TERRAIN PENETRATING LOWEST SURVEYED SLOPE
 - OVERHEAD TRANSMISSION LINE
 - FENCE LINE

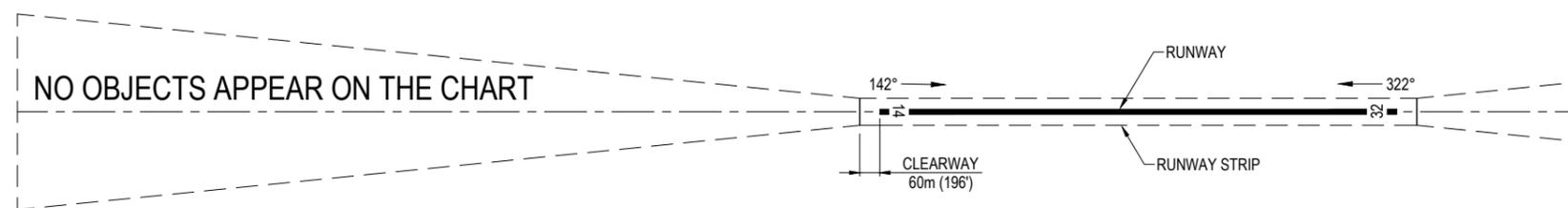
LEGEND

- LOWEST SURVEYED SLOPE
- GROUND LEVEL
- - - MOST LIMITING OBSTACLE
- ① OBSTACLE

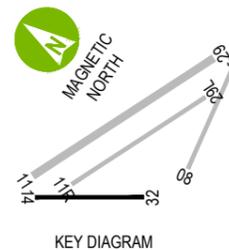


EMERGENCY RUNWAY 32
TWY F (CODE 2)

1:10000 (A1)
1:20000 (A3)
SCALE 1:10000



RUNWAY STRIP:	1654m (5427') x 80m (262')
RUNWAY:	1534m (5033') x 15m (49') SEALED



EMERGENCY RUNWAY 32 (TWY F) SURVEY HAS BEEN ASSESSED BASED ON THE FOLLOWING "CODE 2" TAKE-OFF PARAMETERS:
LENGTH OF INNER EDGE - 80m
RATE OF DIVERGENCE (EACH SIDE) - 10%
FINAL WIDTH - 580m
OVERALL LENGTH - 2500m

THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.

[Signature]
DANIEL GEEVES
REGISTERED SURVEYOR
aurecon

25/11/2024
DATE



www.aurecongroup.com



REV	DATE	REVISION DETAILS	APPROVED
A	15.12.23	FOR REVIEW	DG
B	25.03.24	FOR REVIEW	DG
C	02.07.24	FOR ISSUE	DG
D	15.11.24	FOR ISSUE - UPDATE RWS WIDTH	DG
E	25.11.24	FOR ISSUE - UPDATE RESPM COORD	DG

SCALE	AS SHOWN	SIZE	A1/A3
DRAWN	MH	CHECKED	GH
SURVEYED	KI/MH/AAM	APPROVED	DANIEL GEEVES

FOR ISSUE NOT FOR CONSTRUCTION

DATE 25/11/2024

DANIEL GEEVES

PROJECT	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE CURTIN									
TITLE	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 EMERGENCY RUNWAY 32 (TWY F) - SHEET 11 OF 12									
DRAWING No.	520002	PROJECT No.	EST09759	WBS	DRG	UU	CTN	012	REV	E

AERODROME OBSTACLE CHART - ICAO TYPE A
(OPERATING LIMITATIONS) NOVEMBER 2024, COMPILED BY AURECON

TO BE READ IN CONJUNCTION WITH CURRENT NOTAMS

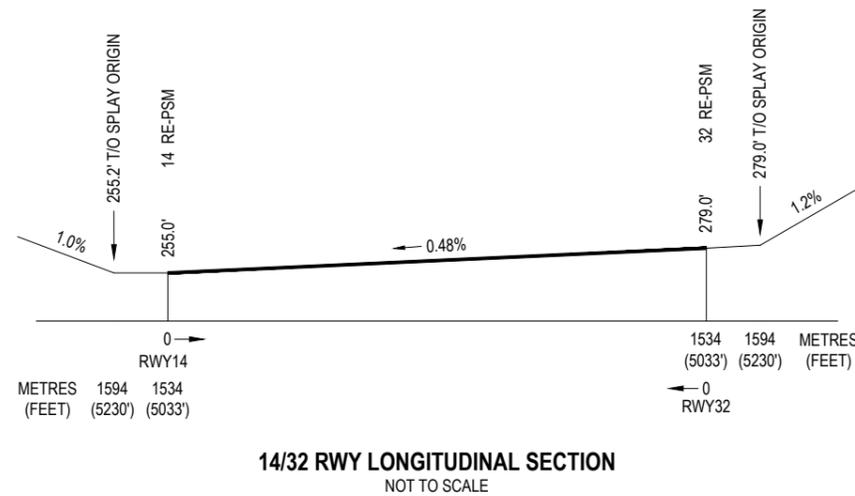
THE ORIGIN OF THE TAKE OFF SURFACE IS LOCATED AT THE END OF THE CLEARWAY
DISTANCES COMMENCE FROM THE RAAF RE-PSM AT THE START OF THE TAKE-OFF RUNWAY (SOT)

DATUM

AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 51
THE VERTICAL DATUM BEING AHD.

DEFINITIONS

- RE-PSM: RUNWAY END PERMANENT SURVEY MARK
- LENGTH OF INNER EDGE 80m
- RATE OF DIVERGENCE OF SPLAY (EACH SIDE) 10%
- FINAL WIDTH 580m
- OVERALL LENGTH 2500m



EMERGENCY RWY 14 (TWY F) TAKE OFF

REPSM AT START OF TORA (REPSM 14)																					
REF No	GEOGRAPHIC								MGA		ELEVATION		RUNWAY MAGNETIC BEARING			TORA		TODA		ELEVATION AT T.O. ORIGIN	
	LAT				LONG				EASTING	NORTHING	(m)	(Ft)	(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)	(m)	(Ft)
	DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)													
	-17.5775172	-17°	34'	39.062"	123.8129973	123°	48'	46.790"	586271.03	8056370.45	77.7	255.0	141°	38'	16"	1534	5033	1594	5230	85.0	279.0
OBJECTS THAT APPEAR ON THE CHART																					
REF No	GEOGRAPHIC								MGA		ELEVATION TOP		TYPE OF OBSTACLE	DISTANCE FROM SOT		OFFSET		GRADIENT TO TOP			
	DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)	EASTING	NORTHING	(m)	(FT)		(m)	(FT)	(m)	(FT)	LEFT/RIGHT	%		
1	-17.590207	-17°	35'	24.74"	123.822227	123°	49'	20.01"	587244.44	8054962.18	90.5	297.0	TREES	1711.7	5615.8	51.4	168.6	R	4.68		
2	-17.590267	-17°	35'	24.96"	123.822290	123°	49'	20.24"	587251.06	8054955.59	91.3	299.4	TREES	1720.9	5646.1	50.0	163.9	R	4.91		
3	-17.590404	-17°	35'	25.45"	123.822470	123°	49'	20.89"	587270.07	8054940.28	90.7	297.6	TREES	1744.5	5723.5	43.7	143.5	R	3.77		
4	-17.590645	-17°	35'	26.32"	123.822731	123°	49'	21.83"	587297.68	8054913.53	91.3	299.6	TREES	1782.5	5848.0	37.4	122.6	R	3.34		
5	-17.590941	-17°	35'	27.38"	123.822818	123°	49'	22.14"	587306.76	8054880.71	93.3	306.1	TREES	1814.3	5952.3	49.5	162.5	R	3.76		
6	-17.590873	-17°	35'	27.14"	123.822971	123°	49'	22.69"	587322.99	8054888.17	93.3	306.2	TREES	1817.9	5964.2	32.0	105.1	R	3.70		
7	-17.591039	-17°	35'	27.74"	123.823496	123°	49'	24.58"	587378.66	8054869.54	91.2	299.3	TREES	1865.9	6121.8	1.8	5.8	L	2.28		
8	-17.591226	-17°	35'	28.41"	123.823780	123°	49'	25.60"	587408.66	8054848.74	93.0	305.2	TREES	1900.5	6235.2	13.6	44.6	L	2.61		
9	-17.591500	-17°	35'	29.39"	123.823828	123°	49'	25.78"	587413.67	8054818.46	91.9	301.6	TREES	1927.8	6324.9	0.3	1.1	R	2.07		
10	-17.591661	-17°	35'	29.97"	123.823922	123°	49'	26.12"	587423.61	8054800.60	91.9	301.5	TREES	1948.1	6391.5	2.9	9.6	R	1.94		
11	-17.591997	-17°	35'	31.18"	123.824281	123°	49'	27.41"	587461.50	8054763.21	92.0	302.5	TREES	2000.7	6564.0	5.4	17.8	L	1.76		
12	-17.592013	-17°	35'	31.24"	123.824624	123°	49'	28.64"	587497.86	8054761.29	92.7	304.1	TREES	2023.8	6639.8	33.5	110.1	L	1.78		
13	-17.592487	-17°	35'	32.95"	123.824279	123°	49'	27.40"	587461.08	8054709.01	92.9	304.9	TREES	2044.1	6706.4	27.1	88.8	R	1.76		
14	-17.592286	-17°	35'	32.22"	123.824754	123°	49'	29.11"	587511.58	8054731.05	92.5	303.3	TREES	2056.3	6746.4	26.7	87.5	L	1.61		
15	-17.592140	-17°	35'	31.70"	123.824978	123°	49'	29.91"	587535.36	8054747.09	93.0	305.0	TREES	2057.5	6750.4	55.3	181.6	L	1.71		
16	-17.592152	-17°	35'	31.74"	123.825201	123°	49'	30.72"	587559.01	8054745.64	92.1	302.3	TREES	2072.7	6800.2	73.5	241.2	L	1.48		
17	-17.592796	-17°	35'	34.06"	123.824709	123°	49'	28.95"	587506.56	8054674.63	92.6	303.8	TREES	2098.8	6885.8	10.8	35.6	R	1.50		
18	-17.592405	-17°	35'	32.65"	123.825403	123°	49'	31.45"	587580.41	8054717.58	92.8	304.4	TREES	2108.0	6916.0	74.1	243.2	L	1.51		
19	-17.592906	-17°	35'	34.46"	123.825329	123°	49'	31.18"	587572.22	8054662.21	92.5	303.5	TREES	2147.7	7046.4	34.7	113.8	L	1.35		
20	-17.593438	-17°	35'	36.37"	123.824656	123°	49'	28.76"	587500.56	8054603.57	92.2	302.4	TREES	2152.5	7061.9	57.8	189.7	R	1.28		
21	-17.593771	-17°	35'	37.57"	123.825213	123°	49'	30.76"	587559.50	8054566.54	92.8	304.5	TREES	2217.3	7274.4	32.3	106.0	R	1.25		
22	-17.593424	-17°	35'	36.32"	123.825919	123°	49'	33.30"	587634.59	8054604.54	94.2	309.0	TREES	2231.2	7320.1	50.7	166.3	L	1.44		
23	-17.593375	-17°	35'	36.15"	123.826442	123°	49'	35.19"	587690.11	8054609.76	93.9	308.2	TREES	2259.9	7414.4	98.5	323.2	L	1.34		
24	-17.593733	-17°	35'	37.43"	123.826651	123°	49'	35.94"	587712.11	8054570.11	97.2	318.8	TREES	2304.9	7562.0	92.7	304.2	L	1.71		
25	-17.594269	-17°	35'	39.36"	123.827110	123°	49'	37.59"	587760.55	8054510.56	95.0	311.6	TREES	2381.6	7813.6	96.4	316.3	L	1.26		

EMERGENCY RWY 32 (TWY F) TAKE OFF

REPSM AT START OF TORA (REPSM 32)																					
REF No	GEOGRAPHIC								MGA		ELEVATION		RUNWAY MAGNETIC BEARING			TORA		TODA		ELEVATION AT T.O. ORIGIN	
	LAT				LONG				EASTING	NORTHING	(m)	(Ft)	(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)	(m)	(Ft)
	DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)													
	-17.5886433	-17°	35'	19.116"	123.8216185	123°	49'	17.827"	587180.59	8055135.50	85.0	279.0	321°	38'	16"	1534	5033	1594	5230	77.8	255.2
OBJECTS THAT APPEAR ON THE CHART																					
REF No	GEOGRAPHIC								MGA		ELEVATION TOP		TYPE OF OBSTACLE	DISTANCE FROM SOT		OFFSET		GRADIENT TO TOP			
	DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)	EASTING	NORTHING	(m)	(FT)		(m)	(FT)	(m)	(FT)	LEFT/RIGHT	%		
NO OBJECTS APPEAR ON CHART																					

THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.

[Signature]
DANIEL GEEVES
REGISTERED SURVEYOR
aurecon

25/11/2024
DATE



www.aurecongroup.com



REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	FOR ISSUE	PROJECT	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT
A	15.12.23	FOR REVIEW	DG	AS SHOWN	A1/A3	NOT FOR CONSTRUCTION	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT	RAAF BASE CURTIN
B	25.03.24	FOR REVIEW	DG					
C	02.07.24	FOR ISSUE	DG	DRAWN		APPROVED		
D	15.11.24	FOR ISSUE - UPDATE RWS WIDTH	DG	MH				
E	25.11.24	FOR ISSUE - UPDATE REPSM COORD	DG	SURVEYED				
				KI/MH/AAM				
				CHECKED				
				GH		DANIEL GEEVES		

TITLE	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 EMERGENCY RUNWAY 14/32 (TWY F) - SHEET 12 OF 12	520002	EST09759	DRG	UU	CTN	013	E