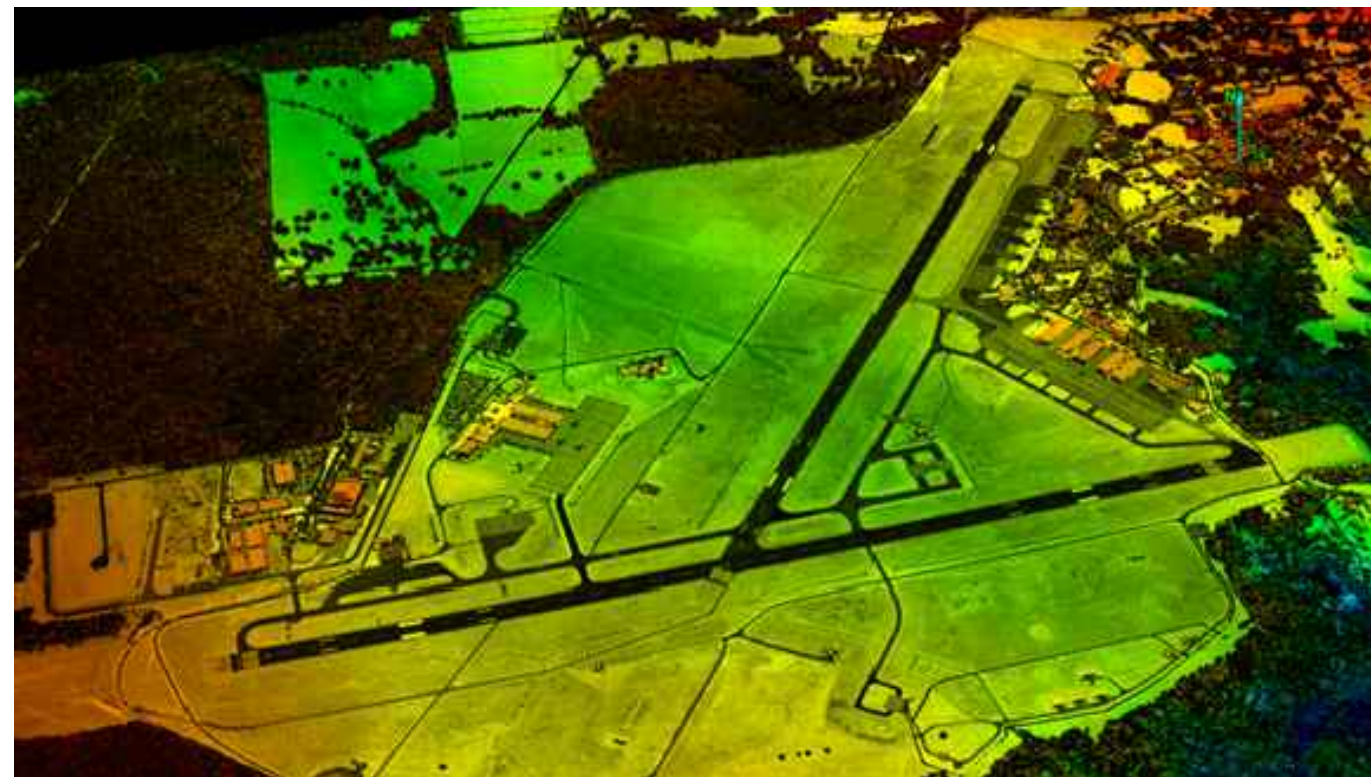


# OBSTACLE LIMITATION SURVEYS AND ASSESSMENT

## HMAS ALBATROSS AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS ) ISSUED FEBRUARY 2025



REV	DATE	REVISION DETAILS	APPROVED
A	23.08.24	FOR REVIEW	DG
B	30.09.24	FOR ISSUE	DG
C	07.02.25	FOR ISSUE - CHANGE RWY08 TAKEOFF LOCATION & RWS WIDTHS	DG

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

FOR ISSUE	APPROVED
NOT FOR CONSTRUCTION	 DATE 13/02/2025
	DANIEL GEEVES

PROJECT	TITLE	DRAWING No.	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT HMAS ALBATROSS	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED FEBRUARY 2025 COVER SHEET	520002	EST09759	DRG	UU	ALB	001	C	

DECLARED DISTANCES FOR RUNWAY 03	
TAKE OFF RUN AVAILABLE (TORA)	2046m (6713')
TAKE OFF DISTANCE AVAILABLE (TODA)	2106m (6909') 5.53%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	2046m (6713')
LANDING DISTANCE AVAILABLE (LDA)	2046m (6713')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	987m (3238') 1.9%, 1141m (3743') 2.0%, 1336m (4383') 2.2%, 1544m (5065') 2.5%, 1870m (6135') 3.3%, 2094m (6870') 5.0%

**NOTES**

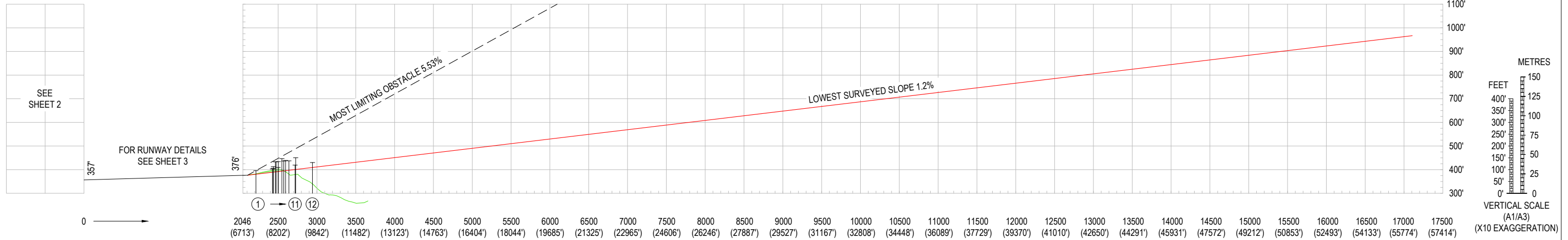
- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 56 THE VERTICAL DATUM BEING AHD.
- HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
- USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS SOON AS THEY BECOME APPARENT TO :-  
  
AERONAUTICAL INFORMATION SERVICE - AIR FORCE  
EMAIL: AIS.AF@DEFENCE.GOV.AU
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 12° 51' E (MARCH 2024)
- AERIAL SURVEY COMPLETED JUNE 2023.  
GROUND SURVEY CHECKS AND VERIFICATION AUGUST 2023.

**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
  - DENSE FOREST PENETRATING LOWEST SURVEYED SLOPE

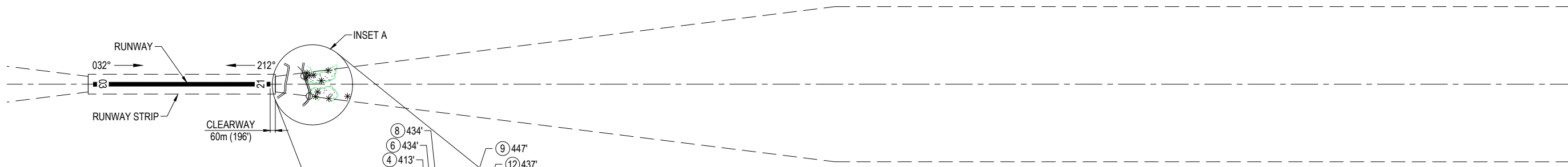
**LEGEND**

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

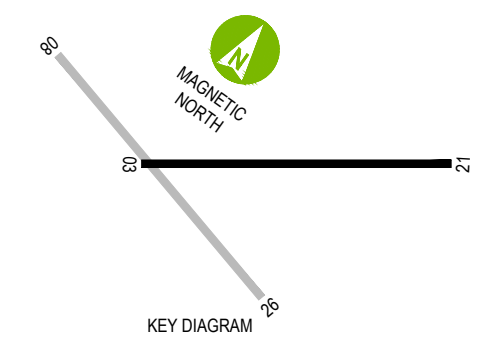
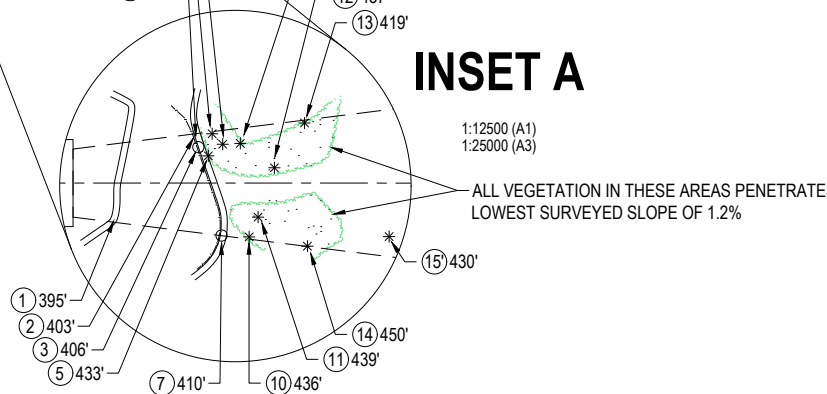


**RUNWAY 03**

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



RUNWAY STRIP: 2166m (7106') x 230m (754')  
RUNWAY: 2046m (6713') 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.

*[Signature]*  
DANIEL GEEVES  
REGISTERED SURVEYOR  
aurecon  
13/02/2025  
DATE



CLIENT

**Australian Government**  
Department of Defence  
Security and Estate Group

REV	DATE	REVISION DETAILS	APPROVED
A	23.08.24	FOR REVIEW	DG
B	30.09.24	FOR ISSUE	DG
C	07.02.25	FOR ISSUE - CHANGE RWY08 TAKEOFF LOCATION & RWS WIDTHS	DG

SCALE	SIZE
AS SHOWN	A1/A3
<b>DRAWN</b>	
MH	
<b>SURVEYED</b>	
KI/MH/WOOLPERT	
<b>CHECKED</b>	
GH	

FOR ISSUE  
NOT FOR CONSTRUCTION

**APPROVED**

*[Signature]*  
DANIEL GEEVES

DATE  
13/02/2025

PROJECT	TITLE	DRAWING No.	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT HMAS ALBATROSS	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED FEBRUARY 2025 RUNWAY 03 - SHEET 1 OF 8	520002	EST09759	DRG	UU	ALB	002	C	





AERODROME OBSTACLE CHART - ICAO TYPE A  
(OPERATING LIMITATIONS) FEBRUARY 2025, COMPILED BY AURECON

TO BE READ IN CONJUNCTION WITH CURRENT NOTAMS

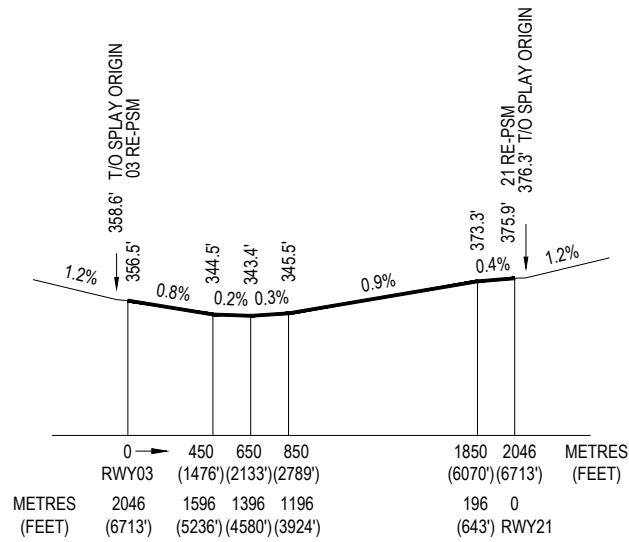
THE ORIGIN OF THE TAKE OFF SURFACE IS LOCATED AT THE END OF THE CLEARWAY  
DISTANCES COMMENCE FROM THE START OF THE TAKE-OFF RUNWAY (SOT)

DATUM

AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 56  
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



03/21 RWY LONGITUDINAL SECTION  
NOT TO SCALE

RWY 03 TAKE OFF																					
REPSM AT START OF TORA (REPSM 03)																					
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)													
	-34.9488393	-34°	56'	55.823"	150.5364637	150°	32'	11.270"	275034.39	6129858.92	108.7	356.5	31°	32'	22"	2046	6713	2106	6909	114.7	376.3
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	-34.935184	-34°	56'	06.66"	150.554163	150°	33'	14.98"	276613.94	6131413.37	120.7	395.8	MOVING	2213.6	7262.4	95.9	314.7	R	5.53		
2	-34.932452	-34°	55'	56.82"	150.554097	150°	33'	14.74"	276600.47	6131716.29	122.8	403.0	FENCE	2426.0	7959.2	120.4	395.0	L	2.54		
3	-34.932539	-34°	55'	57.13"	150.554384	150°	33'	15.78"	276626.95	6131707.36	123.7	405.8	SIGN	2437.5	7997.0	95.0	311.5	L	2.72		
4	-34.932412	-34°	55'	56.68"	150.554242	150°	33'	15.27"	276613.65	6131721.13	125.8	412.8	MOVING	2438.5	8000.3	114.1	374.2	L	3.34		
5	-34.932513	-34°	55'	57.04"	150.554765	150°	33'	17.15"	276661.70	6131711.02	132.0	432.9	TREES	2463.8	8083.5	72.0	236.3	L	4.82		
6	-34.932080	-34°	55'	55.48"	150.554385	150°	33'	15.78"	276625.77	6131758.28	132.2	433.7	TREES	2473.9	8116.5	130.5	428.2	L	4.75		
7	-34.933618	-34°	56'	01.02"	150.556681	150°	33'	24.05"	276839.74	6131592.78	124.9	409.7	SIGN	2498.7	8197.8	138.8	455.3	R	2.59		
8	-34.932074	-34°	55'	55.46"	150.554817	150°	33'	17.34"	276665.28	6131759.83	132.3	434.0	TREES	2502.0	8208.6	102.7	336.9	L	4.44		
9	-34.931761	-34°	55'	54.34"	150.555155	150°	33'	18.55"	276695.27	6131795.32	136.1	446.6	TREES	2548.4	8360.8	104.9	344.3	L	4.84		
10	-34.933168	-34°	55'	59.40"	150.557269	150°	33'	26.16"	276892.17	6131643.95	133.0	436.5	TREES	2571.9	8437.9	142.3	466.7	R	3.94		
11	-34.932687	-34°	55'	57.67"	150.557040	150°	33'	25.34"	276870.00	6131696.83	133.8	439.0	TREES	2595.4	8515.2	90.0	295.3	R	3.90		
12	-34.931585	-34°	55'	53.70"	150.556350	150°	33'	22.86"	276803.99	6131817.48	133.2	437.1	TREES	2638.7	8657.1	40.5	132.9	L	3.48		
13	-34.930326	-34°	55'	49.17"	150.556031	150°	33'	21.71"	276771.41	6131956.46	127.8	419.3	TREES	2718.1	8917.8	159.1	521.9	L	2.14		
14	-34.932330	-34°	55'	56.38"	150.558639	150°	33'	31.10"	277015.11	6131739.98	137.3	450.4	TREES	2725.9	8943.2	166.7	547.0	R	3.64		
15	-34.930778	-34°	55'	50.80"	150.560096	150°	33'	36.34"	277143.96	6131915.37	131.1	430.1	TREES	2942.0	9652.3	141.4	464.0	R	1.96		

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

13/02/2025  
DATE

REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	FOR ISSUE	PROJECT
A	23.08.24	FOR REVIEW	DG	AS SHOWN	A1/A3	NOT FOR CONSTRUCTION	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT HMAS ALBATROSS
B	30.09.24	FOR ISSUE	DG				
C	07.02.25	FOR ISSUE - CHANGE RWY08 TAKEOFF LOCATION & RWS WIDTHS	DG				
				DRAWN		APPROVED	
				MH		<i>[Signature]</i>	
				SURVEYED		DATE	
				KI/MH/WOOLPERT		13/02/2025	
				CHECKED			
				GH		DANIEL GEEVES	
DRAWING No.		PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER
520002		EST09759	DRG	UU	ALB	004	REV C



DECLARED DISTANCES FOR RUNWAY 08	
TAKE OFF RUN AVAILABLE (TORA)	2003m (6571')
TAKE OFF DISTANCE AVAILABLE (TODA)	2063m (6768') 34.74%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	2003m (6571')
LANDING DISTANCE AVAILABLE (LDA)	2003m (6571')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	1360m (4461') 1.6%, 1466m (4809') 1.9%, 1500m (4921') 2.0%, 1558m (5111') 2.2%, 1640m (5380') 2.5%, 1804m (5918') 3.3%, 1937m (6354') 5.0%

**NOTES**

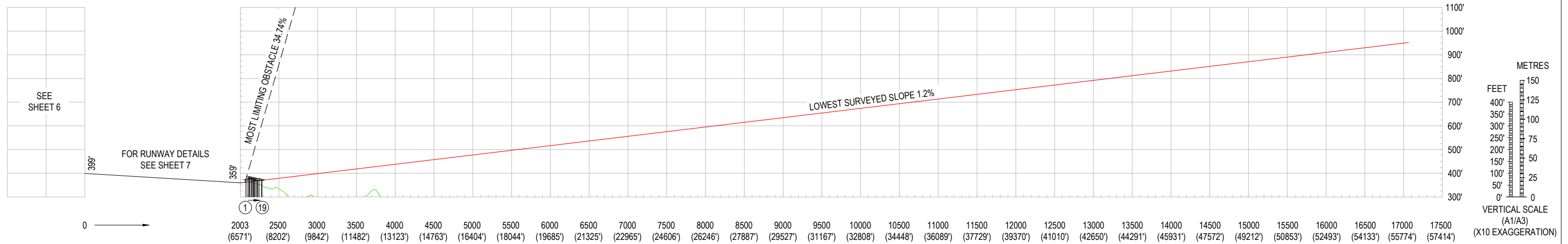
- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 56 THE VERTICAL DATUM BEING AHD.
- HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
- USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS SOON AS THEY BECOME APPARENT TO :-  
  
AERONAUTICAL INFORMATION SERVICE - AIR FORCE  
EMAIL: AIS.AF@DEFENCE.GOV.AU
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 12° 51' E (MARCH 2024)
- AERIAL SURVEY COMPLETED JUNE 2023.  
GROUND SURVEY CHECKS AND VERIFICATION AUGUST 2023.

**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
  - DENSE FOREST PENETRATING LOWEST SURVEYED SLOPE

**LEGEND**

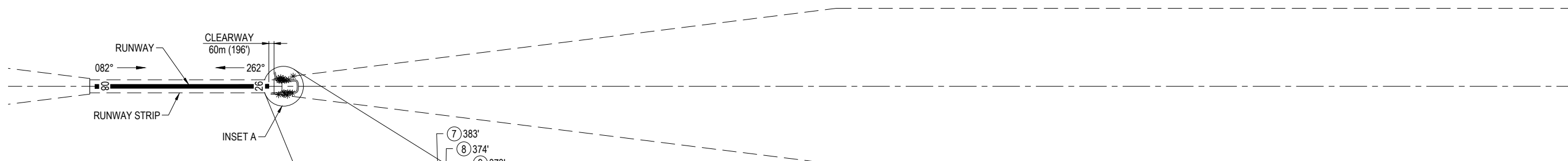
- LOWEST SURVEYED SLOPE
- GROUND LEVEL
- - - MOST LIMITING OBSTACLE
- ① OBSTACLE



**RUNWAY 08**

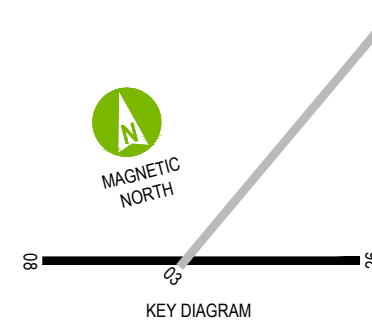
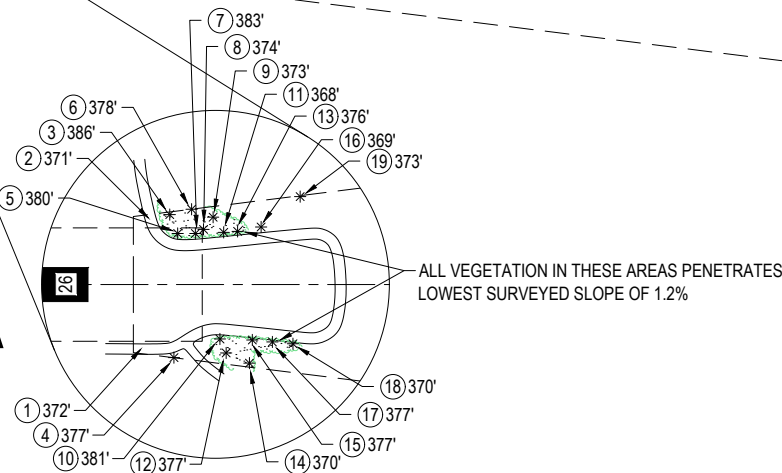
1:25000 (A1)  
1:50000 (A3)  
SCALE 1:25000

RUNWAY STRIP: 2214m (7263') x 150m (492')  
RUNWAY: 2003m (6571') x 45m (147') SEALED



**INSET A**

1:5000 (A1)  
1:10000 (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.

*Daniel Geeves*  
DANIEL GEEVES  
REGISTERED SURVEYOR  
aurecon

13/02/2025  
DATE



**CLIENT**

**Australian Government**  
Department of Defence  
Security and Estate Group

REV	DATE	REVISION DETAILS	APPROVED
A	23.08.24	FOR REVIEW	DG
B	30.09.24	FOR ISSUE	DG
C	07.02.25	FOR ISSUE - CHANGE RWY08 TAKEOFF LOCATION & RWS WIDTHS	DG

SCALE	SIZE
AS SHOWN	A1/A3
<b>DRAWN</b>	
MH	
<b>SURVEYED</b>	
KI/MH/WOOLPERT	
<b>CHECKED</b>	
GH	

**FOR ISSUE**  
NOT FOR CONSTRUCTION

**APPROVED**

*Daniel Geeves*  
DANIEL GEEVES

DATE  
13/02/2025

PROJECT	TITLE	DRAWING No.	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT HMAS ALBATROSS	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED FEBRUARY 2025 RUNWAY 08 - SHEET 5 OF 8	520002	EST09759	DRG	UU	ALB	006	C	

DECLARED DISTANCES FOR RUNWAY 26	
TAKE OFF RUN AVAILABLE (TORA)	2094m (6870')
TAKE OFF DISTANCE AVAILABLE (TODA)	2154m (7067') 10.55%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	2094m (6870')
LANDING DISTANCE AVAILABLE (LDA)	2003m (6571')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	1183m (3881') 3.3%, 1723m (5652') 5.0%

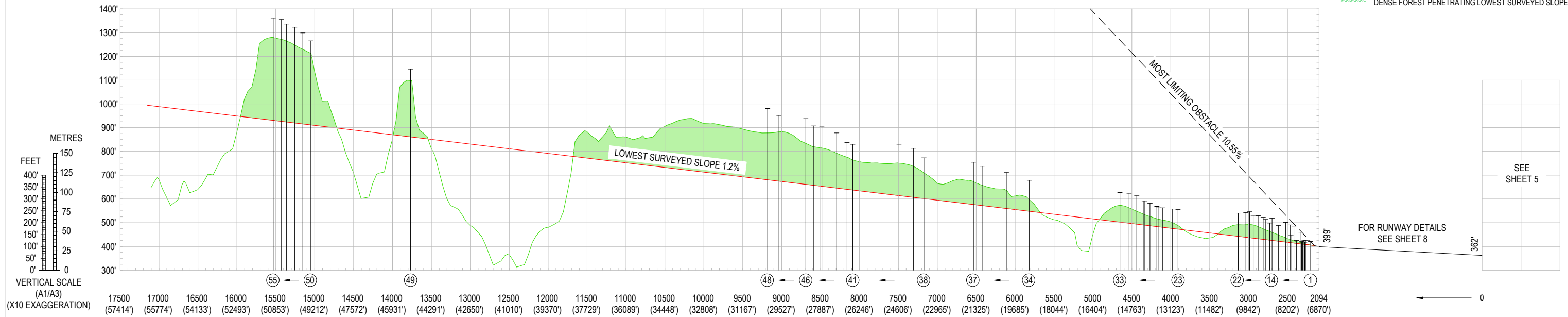
LEGEND	
	LOWEST SURVEYED SLOPE
	GROUND LEVEL
	MOST LIMITING OBSTACLE
	OBSTACLE

**NOTES**

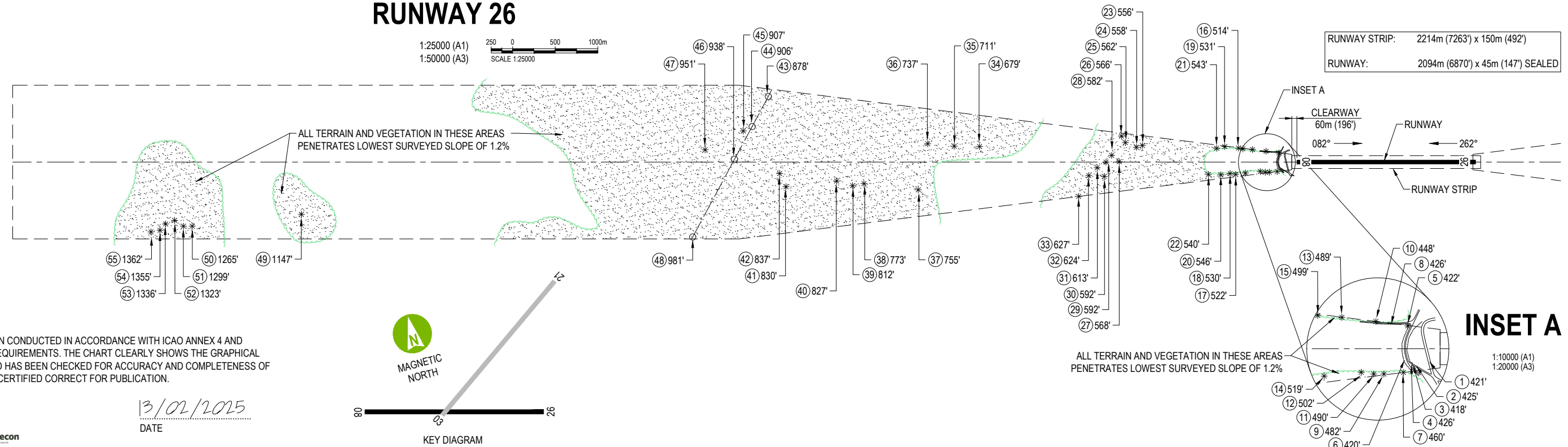
- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 56 THE VERTICAL DATUM BEING AHD.
- HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
- USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS SOON AS THEY BECOME APPARENT TO :-  
  
AERONAUTICAL INFORMATION SERVICE - AIR FORCE  
EMAIL: AIS.AF@DEFENCE.GOV.AU
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 12° 51' E (MARCH 2024)
- AERIAL SURVEY COMPLETED JUNE 2023.  
GROUND SURVEY CHECKS AND VERIFICATION AUGUST 2023.

**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
	DENSE FOREST PENETRATING LOWEST SURVEYED SLOPE



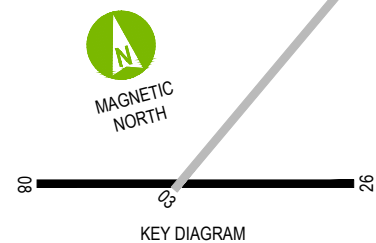
**RUNWAY 26**



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

13/02/2025  
DATE



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REV	DATE	REVISION DETAILS	APPROVED
A	23.08.24	FOR REVIEW	DG
B	30.09.24	FOR ISSUE	DG
C	07.02.25	FOR ISSUE - CHANGE RWY08 TAKEOFF LOCATION & RWS WIDTHS	DG

SCALE	SIZE
AS SHOWN	A1/A3
<b>DRAWN</b>	
MH	
<b>SURVEYED</b>	
KI/MH/WOOLPERT	
<b>CHECKED</b>	
GH	

FOR ISSUE  
NOT FOR CONSTRUCTION  
  
APPROVED  
*Daniel Geeves*  
DATE  
13/02/2025  
DANIEL GEEVES

PROJECT	TITLE	DRAWING No.	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT HMAS ALBATROSS	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED FEBRUARY 2025 RUNWAY 26 - SHEET 6 OF 8	520002	EST09759	DRG	UU	ALB	007	C	







AERODROME OBSTACLE CHART - ICAO TYPE A
(OPERATING LIMITATIONS) FEBRUARY 2025, COMPILED BY AURECON

TO BE READ IN CONJUNCTION WITH CURRENT NOTAMS

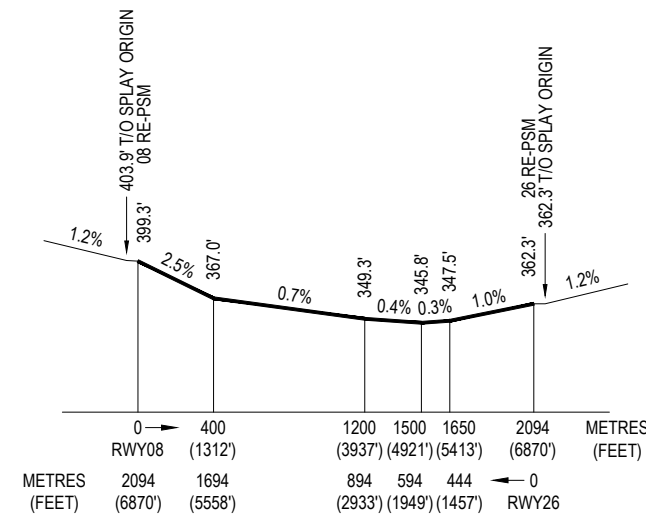
THE ORIGIN OF THE TAKE OFF SURFACE IS LOCATED AT THE END OF THE CLEARWAY
DISTANCES COMMENCE FROM THE START OF THE TAKE-OFF RUNWAY (SOT)

DATUM

AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 56
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



08/26 RWY LONGITUDINAL SECTION
NOT TO SCALE

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

13/02/2025
DATE

RWY 26 TAKE OFF

Table with columns: REPSM AT START OF TORA (REPSM 26), GEOGRAPHIC (LAT, LONG), MGA (EASTING, NORTHING), ELEVATION (m, Ft), RUNWAY MAGNETIC BEARING (DEG, MIN, SEC), TORA (m, Ft), TODA (m, Ft), ELEVATION AT T.O. ORIGIN (m, Ft).

OBJECTS THAT APPEAR ON THE CHART

Main table listing objects with columns: REF No, GEOGRAPHIC (LAT, LONG), MGA (EASTING, NORTHING), ELEVATION TOP (m, Ft), TYPE OF OBSTACLE, DISTANCE FROM SOT (m, Ft), OFFSET (m, Ft), LEFT/RIGHT, GRADIENT TO TOP (%).



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Australian Government
Department of Defence
Security and Estate Group

Table with columns: REV, DATE, REVISION DETAILS, APPROVED

Table with columns: SCALE, SIZE, DRAWN, SURVEYED, CHECKED

Table with columns: FOR ISSUE, APPROVED, DATE, SURVEYOR

Table with columns: PROJECT, TITLE, DRAWING No., PROJECT No., WBS, TYPE, DISC, SITE, NUMBER, REV