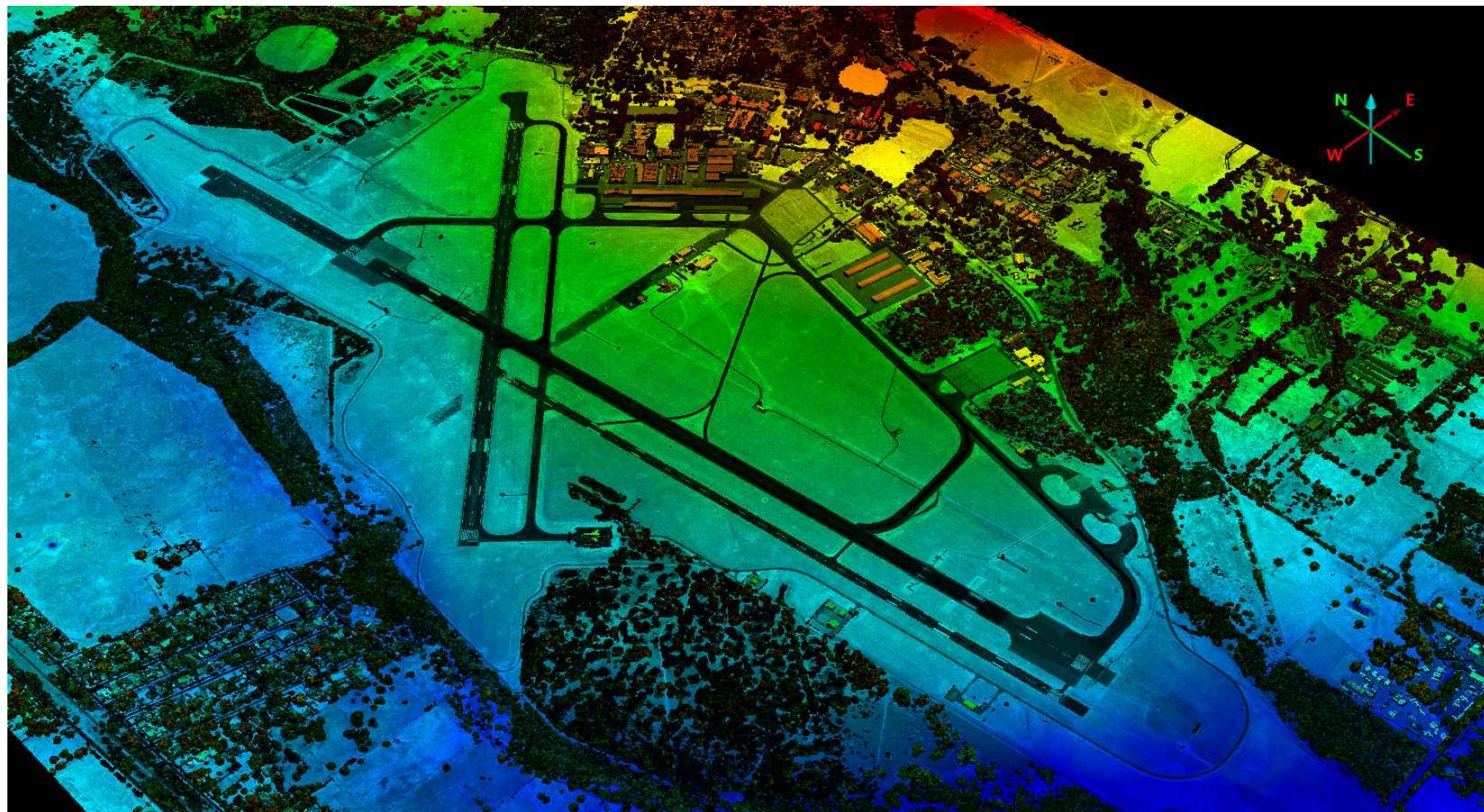


# OBSTACLE LIMITATION SURVEYS AND ASSESSMENT

## RAAF BASE PEARCE AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS ) ISSUED DECEMBER 2024



REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	FOR ISSUE	PROJECT
A	30.09.24	FOR REVIEW	DG	AS SHOWN	A1/A3	NOT FOR CONSTRUCTION	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE PEARCE
B	08.11.24	FOR ISSUE	DG				
C	13.12.24	FOR ISSUE - RWS WIDTH AMENDMENT	DG				
				<b>DRAWN</b>		<b>APPROVED</b>	<b>TITLE</b>
				MH			AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED DECEMBER 2024 COVER SHEET
				<b>SURVEYED</b>		DATE	
				KI/MH/WOOLPERT		13/12/2024	
				<b>CHECKED</b>			<b>DRAWING No.</b>
				GH			520002
							<b>PROJECT No.</b>
							520002
							<b>WBS</b>
							- EST09759 -
							<b>TYPE</b>
							- DRG -
							<b>DISC</b>
							- UU -
							<b>SITE</b>
							- PEA -
							<b>NUMBER</b>
							001
							<b>REV</b>
							- C



**LEGEND**

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

DECLARED DISTANCES FOR RUNWAY 18L	
TAKE OFF RUN AVAILABLE (TORA)	2974m (9757')
TAKE OFF DISTANCE AVAILABLE (TODA)	3034m (9954') (SEE NOTE BELOW)
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	2974m (9757')
LANDING DISTANCE AVAILABLE (LDA)	2439m (8002')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA) -ARRESTOR BARRIER ERECTED -NET POLES 21 FEET ABOVE GROUND LEVEL	2725m (8940') 1.6%, 2757m (9045') 1.9%, 2766m (9074') 2.0%, 2783m (9130') 2.2%, 2803m (9196') 2.5%, 2843m (9327') 3.3%, 2890m (9481') 5.0%
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA) -ARRESTOR BARRIER RETRACTED -NET POLES 5 FEET ABOVE GROUND LEVEL	2940m (9645') 1.6%, 2945m (9662') 1.9%, 2949m (9675') 2.0%, 2953m (9688') 2.2%, 2958m (9704') 2.5%, 2966m (9730') 3.3%, 2977m (9767') 5.0%

NOTE:  
ARRESTOR NET EQUIPMENT AND UNCONTROLLED  
MOVING OBJECTS LOCATED IN THE CLEARWAY,  
THEREFORE THE TODA GRADIENT CANNOT BE PUBLISHED

**NOTES**

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 50 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 2° 32' W (AUGUST 2024)
- AERIAL SURVEY COMPLETED DECEMBER 2023.  
GROUND SURVEY CHECKS AND VERIFICATION MARCH 2024.

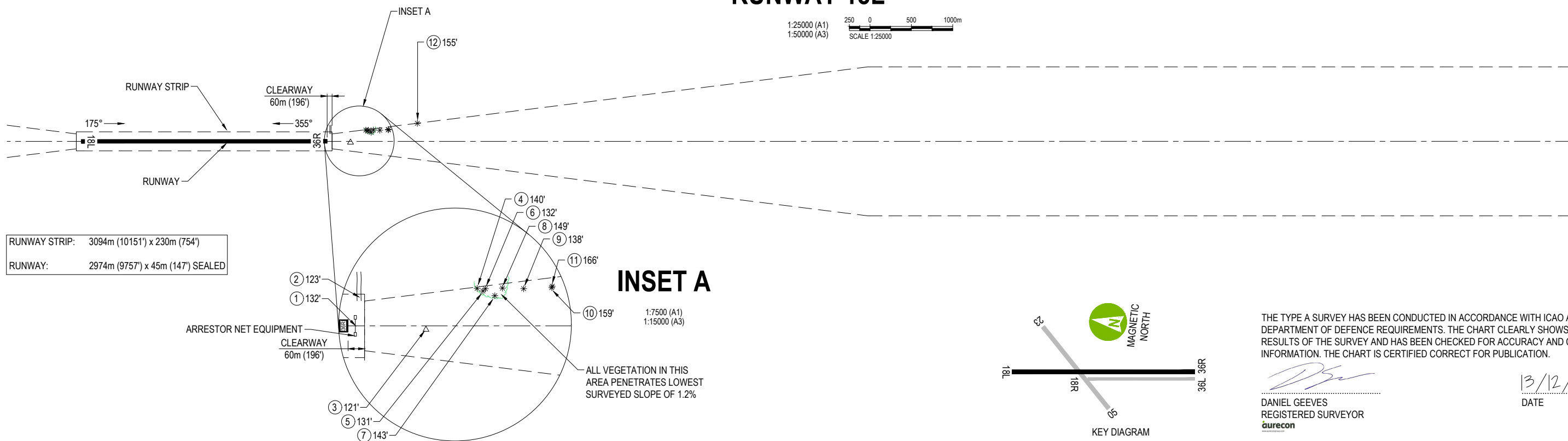
**LEGEND**

- 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
  - FOREST AREAS PENETRATING LOWEST SURVEYED SLOPE



**RUNWAY 18L**

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



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  
13/12/2024  
DATE



www.aurecongroup.com



REV	DATE	REVISION DETAILS	APPROVED
A	30.09.24	FOR REVIEW	DG
B	08.11.24	FOR ISSUE	DG
C	13.12.24	FOR ISSUE - RWS WIDTH AMENDMENT	DG

SCALE	SIZE	FOR ISSUE
AS SHOWN	A1/A3	NOT FOR CONSTRUCTION
<b>DRAWN</b>		<b>APPROVED</b>
MH		
<b>SURVEYED</b>		DATE 13/12/2024
KI/MH/WOOLPERT		
<b>CHECKED</b>		DANIEL GEEVES
GH		

PROJECT	TITLE	DRAWING No.	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE PEARCE	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED DECEMBER 2024 RUNWAY 18L - SHEET 1 OF 7	520002	EST09759	DRG	UU	PEA	002	C	

**LEGEND**

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

DECLARED DISTANCES FOR RUNWAY 36R	
TAKE OFF RUN AVAILABLE (TORA)	2974m (9757')
TAKE OFF DISTANCE AVAILABLE (TODA)	3034m (9954') (SEE NOTE BELOW)
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	2974m (9757')
LANDING DISTANCE AVAILABLE (LDA)	2974m (9757')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	2744m (9002') 1.6%, 2780m (9120') 1.9%, 2790m (9153') 2.0%, 2808m (9212') 2.2%, 2830m (9284') 2.5%, 2870m (9416') 3.3%, 2914m (9560') 5.0%

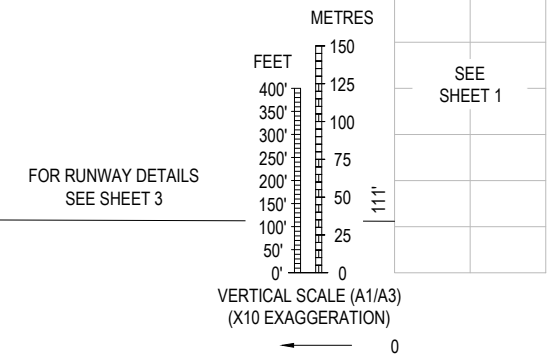
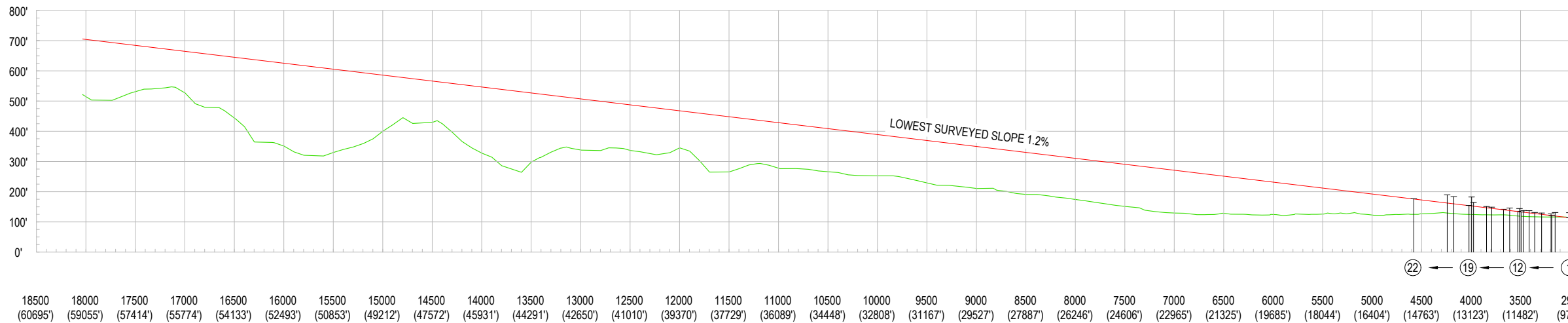
NOTE:  
ELECTRICAL CABINETS AND UNCONTROLLED MOVING OBJECTS LOCATED IN THE CLEARWAY, THEREFORE THE TODA GRADIENT CANNOT BE PUBLISHED

**NOTES**

1. AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 50 THE VERTICAL DATUM BEING AHD.
2. HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
3. 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
4. FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
5. MAGNETIC VARIATION 2° 32' W (AUGUST 2024)
6. AERIAL SURVEY COMPLETED DECEMBER 2023.  
GROUND SURVEY CHECKS AND VERIFICATION MARCH 2024.

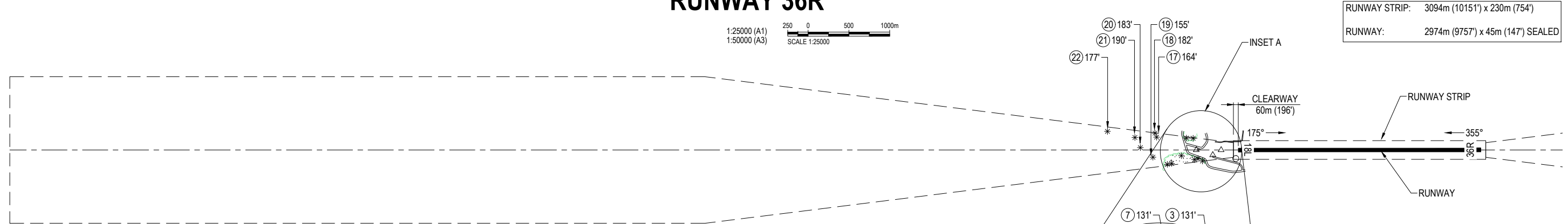
**LEGEND**

- 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
  - FOREST AREAS PENETRATING LOWEST SURVEYED SLOPE



**RUNWAY 36R**

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



RUNWAY STRIP: 3094m (10151') x 230m (754')  
RUNWAY: 2974m (9757') x 45m (147') SEALED

**INSET A**

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

ALL VEGETATION IN THESE AREAS PENETRATES LOWEST SURVEYED SLOPE OF 1.2%

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

13/12/2024  
DATE



REV	DATE	REVISION DETAILS	APPROVED
A	30.09.24	FOR REVIEW	DG
B	08.11.24	FOR ISSUE	DG
C	13.12.24	FOR ISSUE - RWS WIDTH AMENDMENT	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  
13/12/2024

PROJECT	TITLE	DRAWING No.	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE PEARCE	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED DECEMBER 2024 RUNWAY 36R - SHEET 2 OF 7	520002	EST09759	DRG	UU	PEA	003	C	

DEPARTMENT OF DEFENCE

SECURITY AND ESTATE GROUP

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

TO BE READ IN CONJUNCTION WITH CURRENT NOTAMS

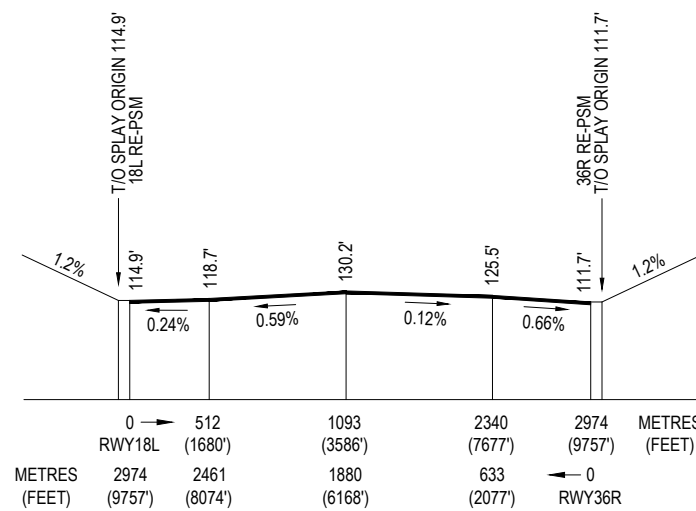
THE ORIGIN OF THE TAKE OFF SURFACE IS LOCATED AT THE END OF THE CLEARWAY  
DISTANCES COMMENCE FROM THE START OF THE TAKE-OFF RUNWAY (SOT)

DATUM

AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 50  
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



18L/36R RWY LONGITUDINAL SECTION  
NOT TO SCALE

RWY 18L TAKE OFF

REPSM AT START OF TORA (REPSM 18L)																RUNWAY MAGNETIC BEARING			TORA		TODA		ELEVATION AT T.O. ORIGIN	
REF No	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)																
	-31.6576002	-31°	39'	27.361"	116.0130840	116°	00'	47.103"	406433.67	6497092.75	35.0	114.9	174°	58'	11"	2974	9757	3034	9954	34.0	111.7			

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	%
	DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)											
1	-31.684452	-31°	41'	04.02"	116.017022	116°	01'	01.27"	406833.83	6494119.80	40.1	131.6	ARRESTOR NET SYSTEM	3000.4	9844.0	0.0	0.0	-	-
2	-31.684498	-31°	41"	04.19"	116.017862	116°	01"	04.30"	406913.48	6494115.39	37.5	123.1	MOVING	3014.6	9890.5	112.9	370.3	L	-
3	-31.686797	-31°	41"	12.46"	116.016826	116°	01"	00.57"	406817.59	6493859.70	36.9	120.9	ILS LOCALISER	3256.7	10684.7	13.5	44.4	R	1.26
4	-31.688309	-31°	41"	17.91"	116.018615	116°	01"	07.01"	406988.68	6493693.63	42.8	140.4	TREE	3442.5	11294.1	136.0	446.3	L	2.14
5	-31.688507	-31°	41"	18.62"	116.018540	116°	01"	06.74"	406981.74	6493671.63	39.8	130.7	TREE	3463.4	11363.0	126.5	414.9	L	1.35
6	-31.688581	-31°	41"	18.89"	116.018637	116°	01"	07.09"	406991.05	6493663.44	40.3	132.3	TREE	3472.7	11393.4	134.7	442.0	L	1.43
7	-31.688912	-31°	41"	20.08"	116.018413	116°	01"	06.28"	406970.15	6493626.56	43.7	143.3	TREE	3506.8	11505.2	109.5	359.1	L	2.04
8	-31.689131	-31°	41"	20.87"	116.018735	116°	01"	07.44"	407000.90	6493602.54	45.4	149.0	TREE	3534.4	11595.7	137.1	449.7	L	2.27
9	-31.689824	-31°	41"	23.36"	116.018804	116°	01"	07.69"	407008.06	6493525.87	41.9	137.5	TREE	3611.4	11848.3	134.8	442.3	L	1.36
10	-31.690733	-31°	41"	26.63"	116.018966	116°	01"	08.27"	407024.35	6493425.20	48.4	158.9	TREE	3713.3	12182.8	138.7	455.0	L	2.12
11	-31.690744	-31°	41"	26.67"	116.019022	116°	01"	08.47"	407029.66	6493423.99	50.6	165.9	TREE	3715.2	12188.8	143.8	471.8	L	2.42
12	-31.693808	-31°	41"	37.70"	116.020219	116°	01"	12.78"	407146.14	6493085.41	47.3	155.1	TREE	4065.5	13338.4	218.1	715.6	L	1.28

RWY 36R TAKE OFF

REPSM AT START OF TORA (REPSM 36R)																RUNWAY MAGNETIC BEARING			TORA		TODA		ELEVATION AT T.O. ORIGIN	
REF No	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)																
	-31.6842505	-31°	41'	03.302"	116.0166306	116°	00'	59.870"	406796.54	6494141.76	34.0	111.7	354°	58'	11"	2974	9757	3034	9954	35.0	114.9			

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	-31.657424	-31°	39'	26.72"	116.011944	116°	00'	42.99"	406325.42	6497111.32	35.2	115.5	ELEC CABINET	3005.7	9861.3	105.2	345.0	L	-
2	-31.657200	-31°	39'	25.92"	116.014137	116°	00'	50.89"	406533.12	6497137.99	39.8	130.5	MOVING	3006.9	9865.0	104.2	341.9	R	-
3	-31.655911	-31°	39"	21.27"	116.013951	116°	00"	50.22"	406514.20	6497280.74	40.0	131.1	MOVING	3150.9	10337.6	102.9	337.6	R	4.23
4	-31.655714	-31°	39"	20.57"	116.012834	116°	00"	46.20"	406408.08	6497301.56	36.9	120.9	ANTENNA	3184.5	10447.9	0.1	0.3	R	1.22
5	-31.655758	-31°	39"	20.73"	116.011687	116°	00"	42.07"	406299.39	6497295.71	38.5	126.4	MOVING	3192.0	10472.4	108.5	356.1	L	2.23
6	-31.654854	-31°	39"	17.47"	116.012069	116°	00"	43.44"	406334.71	6497396.25	39.4	129.3	ANTENNA - ILS HUT	3287.5	10785.7	61.2	200.8	L	1.73
7	-31.654052	-31°	39"	14.58"	116.013801	116°	00"	49.68"	406498.06	6497486.72	40.0	131.2	MOVING	3357.4	11015.0	112.0	367.5	R	1.53
8	-31.653801	-31°	39"	13.68"	116.011143	116°	00"	40.11"	406245.86	6497512.25	41.8	137.2	TREE	3413.5	11199.2	135.2	443.7	L	1.79
9	-31.653280	-31°	39"	11.80"	116.011386	116°	00"	40.98"	406268.30	6497570.15	41.9	137.6	TREE	3468.2	11378.8	105.9	347.4	L	1.59
10	-31.652987	-31°	39"	10.75"	116.012477	116°	00"	44.91"	406371.49	6497603.55	40.6	133.1	ANTENNA	3488.8	11446.2	0.6	2.1	R	1.22
11	-31.652910	-31°	39"	10.47"	116.011204	116°	00"	40.33"	406250.73	6497611.07	43.9	144.2	TREE	3511.0	11519.1	118.3	388.3	L	1.87
12	-31.652488	-31°	39"	08.95"	116.013930	116°	00"	50.14"	406508.79	6497660.19	41.2	135.2	TREE	3528.3	11575.7	143.9	472.0	R	1.25
13	-31.651752	-31°	39"	06.30"	116.013858	116°	00"	49.88"	406501.21	6497741.64	44.5	146.0	TREE	3610.1	11844.1	146.3	479.9	R	1.65
14	-31.651414	-31°	39"	05.08"	116.011522	116°	00"	41.47"	406279.35	6497777.16	43.2	141.8	TREE	3672.4	12048.6	69.7	228.5	L	1.28
15	-31.650440	-31°	39"	01.58"	116.010380	116°	00"	37.36"	406170.07	6497884.15	45.3	148.7	TREE	3792.0	12440.9	165.1	541.6	L	1.36
16	-31.649981	-31°	38"	59.93"	116.010200	116°	00"	36.72"	406152.61	6497934.86	46.0	151.1	TREE	3844.5	12613.1	176.2	578.2	L	1.36
17	-31.648465	-31°	38"	54.47"	116.013535	116°	00"	48.72"	406467.27	6498105.77	50.1	164.4	TREE	3975.7	13043.7	157.0	515.2	R	1.60
18	-31.648238	-31°	38"	53.65"	116.014039	116°	00"	50.54"	406514.87	6498131.31	55.6	182.3	TREE	3995.3	13107.9	207.4	680.5	R	2.14
19	-31.648305	-31°	38"	53.89"	116.010907	116°	00"	39.26"	406217.90	6498121.25	47.1	154.6	TREE	4021.5	13194.0	88.7	290.9	L	1.23
20	-31.646807	-31°	38"	48.50"	116.011958	116°	00"	43.04"	406316.10	6498288.19	55.9	183.5	TREE	4175.3	13698.5	29.2	95.9	R	1.83
21	-31.646083	-31°	38"	45.89"	116.013179	116°	00"	47.44"	406431.16	6498369.49	57.8	189.6	TREE	4242.0	13917.2	153.4	503.2	R	1.88
22	-31.642986	-31°	38"	34.74"	116.013567	116°	00"	48.84"	406464.86	6498713.12	53.8	176.7	TREE	4579.0	15023.0	228.8	750.6	R	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

13/12/2024  
DATE



www.aurecongroup.com



Australian Government  
Department of Defence  
Security and Estate Group

CLIENT				REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	FOR ISSUE	PROJECT	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE PEARCE							
				A	30.09.24	FOR REVIEW	DG	AS SHOWN	A1/A3	NOT FOR CONSTRUCTION									
				B	08.11.24	FOR ISSUE	DG												
				C	13.12.24	FOR ISSUE - RWS WIDTH AMENDMENT	DG	DRAWN											
								MH		APPROVED									
												TITLE	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED DECEMBER 2024 RUNWAY 18L/36R - SHEET 3 OF 7						
												DRAWING No.	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
												520002	EST09759	DRG	UU	PEA	004	C	

**LEGEND**

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

**DECLARED DISTANCES FOR RUNWAY 05**

TAKE OFF RUN AVAILABLE (TORA)	1691m (5548')
TAKE OFF DISTANCE AVAILABLE (TODA)	1751m (5745') (SEE NOTE BELOW)
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	1691m (5548')
LANDING DISTANCE AVAILABLE (LDA)	1691m (5548')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	1694m (5557') 5.0%

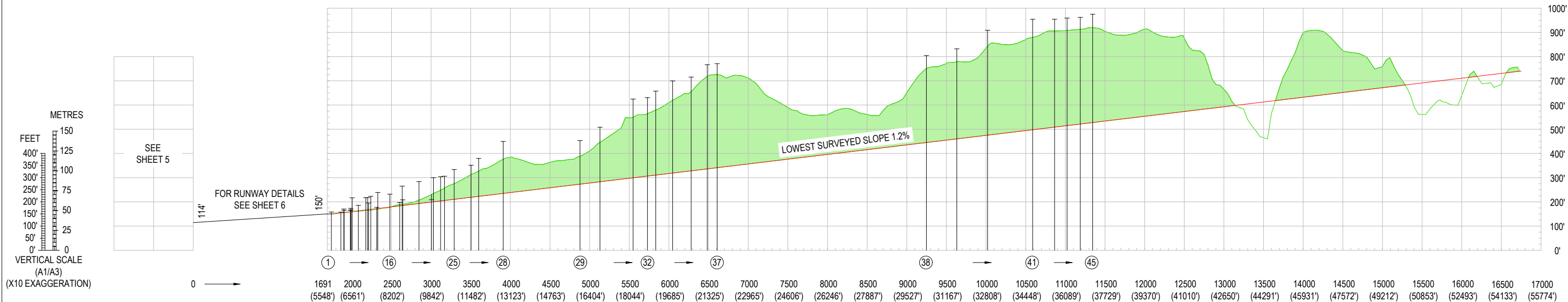
NOTE:  
A POST IS LOCATED IN THE CLEARWAY, THEREFORE THE TODA GRADIENT CANNOT BE PUBLISHED

**NOTES**

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 50 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 2° 32' W (AUGUST 2024)
- AERIAL SURVEY COMPLETED DECEMBER 2023. GROUND SURVEY CHECKS AND VERIFICATION MARCH 2024.

**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
  - TERRAIN/FOREST PENETRATING LOWEST SURVEYED SLOPE

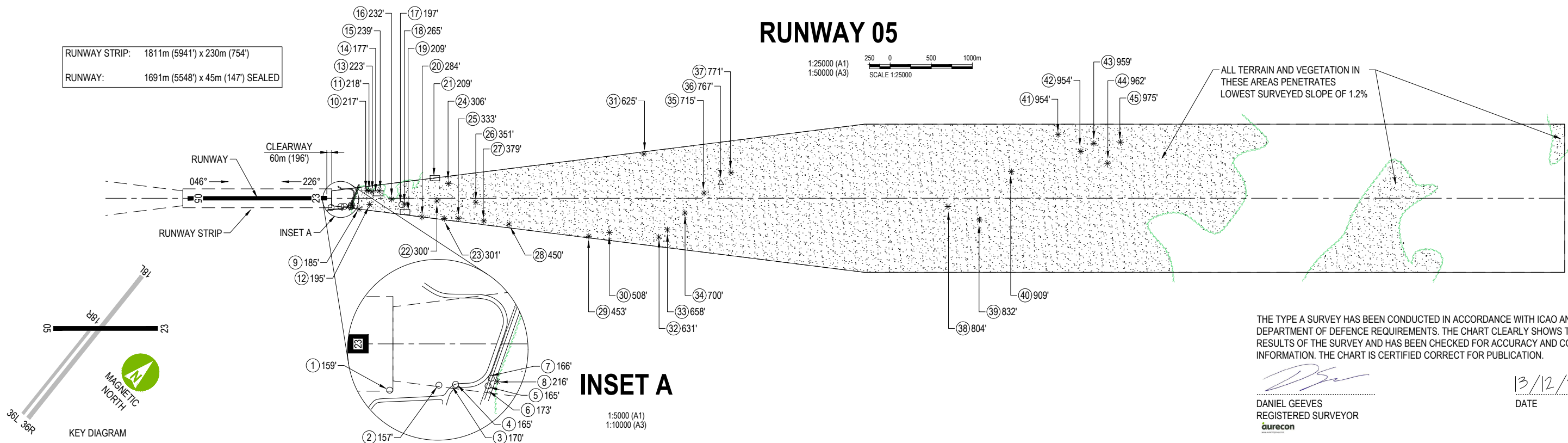


**RUNWAY 05**

RUNWAY STRIP: 1811m (5941') x 230m (754')  
RUNWAY: 1691m (5548') x 45m (147') SEALED

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

ALL TERRAIN AND VEGETATION IN THESE AREAS PENETRATES LOWEST SURVEYED SLOPE OF 1.2%



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

13/12/2024  
DATE



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REV	DATE	REVISION DETAILS	APPROVED
A	30.09.24	FOR REVIEW	DG
B	08.11.24	FOR ISSUE	DG
C	13.12.24	FOR ISSUE - RWS WIDTH AMENDMENT	DG

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

FOR ISSUE	NOT FOR CONSTRUCTION
APPROVED	
DANIEL GEEVES	
DATE	13/12/2024

PROJECT	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE PEARCE
TITLE	AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED DECEMBER 2024 RUNWAY 05 - SHEET 4 OF 7
DRAWING No.	520002
PROJECT No.	EST09759
WBS	DRG
TYPE	UU
DISC	PEA
SITE	005
NUMBER	005
REV	C



**LEGEND**

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

DECLARED DISTANCES FOR RUNWAY 23	
TAKE OFF RUN AVAILABLE (TORA)	1691m (5548')
TAKE OFF DISTANCE AVAILABLE (TODA)	1751m (5745') (SEE NOTE BELOW)
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	1691m (5548')
LANDING DISTANCE AVAILABLE (LDA)	1691m (5548')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	1291m (4235') 1.6%, 1400m (4593') 1.9%, 1428m (4685') 2.0%, 1478m (4849') 2.2%, 1541m (5055') 2.5%, 1616m (5301') 3.3%, 1668m (5472') 5.0%

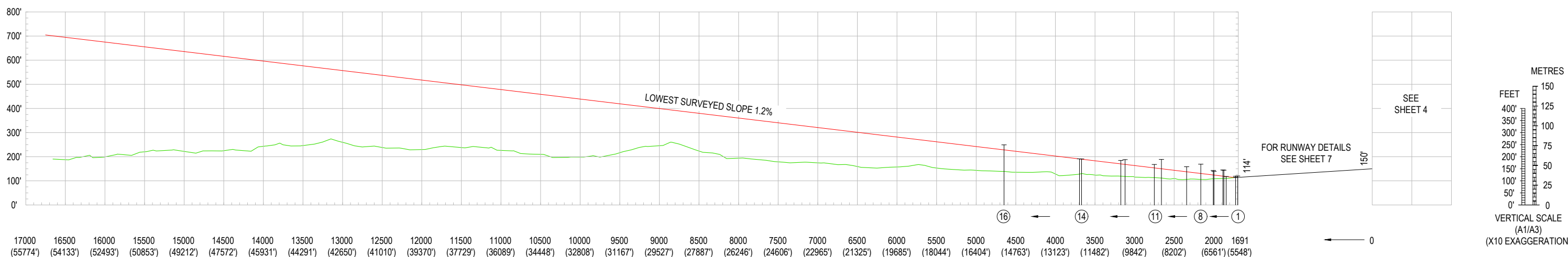
NOTE:  
A POST AND AN UNCONTROLLED MOVING OBJECT ARE LOCATED IN THE CLEARWAY, THEREFORE THE TODA GRADIENT CANNOT BE PUBLISHED

**NOTES**

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 50 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 2° 32' W (AUGUST 2024)
- AERIAL SURVEY COMPLETED DECEMBER 2023.  
GROUND SURVEY CHECKS AND VERIFICATION MARCH 2024.

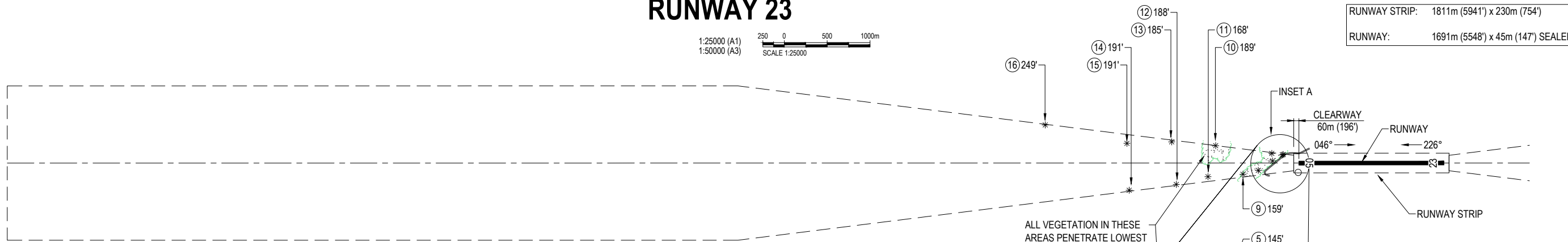
**LEGEND**

- 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
  - FOREST AREAS PENETRATING LOWEST SURVEYED SLOPE



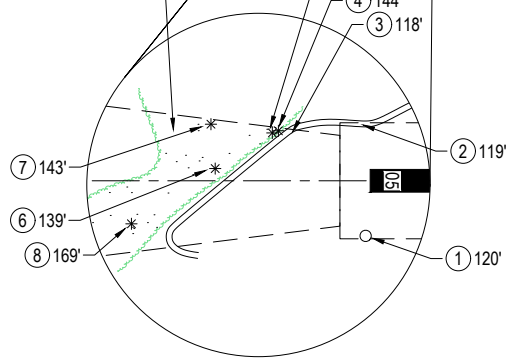
**RUNWAY 23**

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

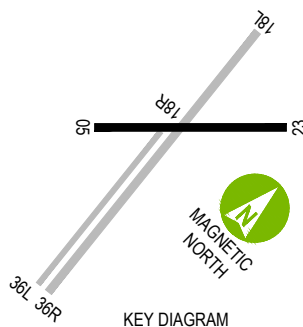


**INSET A**

1:7500 (A1)  
1:15000 (A3)



RUNWAY STRIP: 1811m (5941') x 230m (754')  
RUNWAY: 1691m (5548') 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

13/12/2024  
DATE



www.aurecongroup.com



Australian Government  
Department of Defence  
Security and Estate Group

REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	FOR ISSUE	PROJECT
A	30.09.24	FOR REVIEW	DG	AS SHOWN	A1/A3	NOT FOR CONSTRUCTION	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE PEARCE
B	08.11.24	FOR ISSUE	DG				
C	13.12.24	FOR ISSUE - RWS WIDTH AMENDMENT	DG				

TITLE	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED DECEMBER 2024 RUNWAY 23 - SHEET 5 OF 7	520002	EST09759	DRG	UU	PEA	006	C



DEPARTMENT OF DEFENCE

SECURITY AND ESTATE GROUP

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

TO BE READ IN CONJUNCTION WITH CURRENT NOTAMS

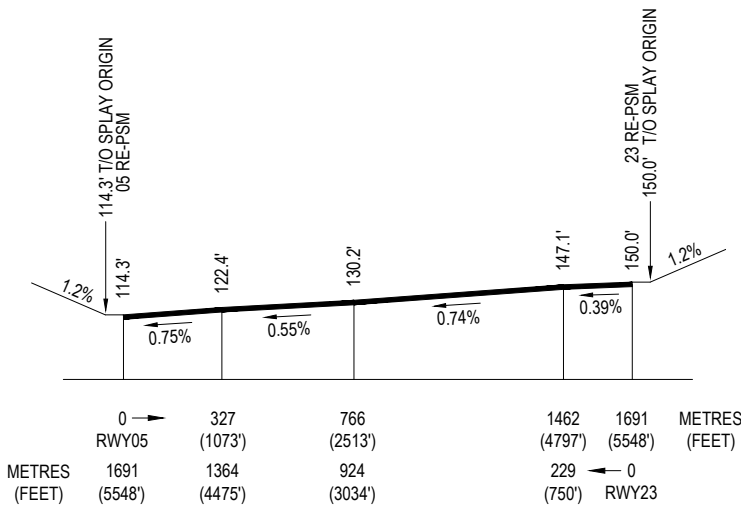
THE ORIGIN OF THE TAKE OFF SURFACE IS LOCATED AT THE END OF THE CLEARWAY  
DISTANCES COMMENCE FROM THE START OF THE TAKE-OFF RUNWAY (SOT)

DATUM

AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 50  
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



05/23 RWY LONGITUDINAL SECTION  
NOT TO SCALE

RWY 23 TAKE OFF																					
REPSM AT START OF TORA (REPSM 23)											RUNWAY MAGNETIC BEARING			TORA		TODA		ELEVATION AT T.O. ORIGIN			
REF No	GEOGRAPHIC								MGA		ELEVATION		(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)		
	LAT				LONG				EASTING	NORTHING	(m)	(Ft)									
	DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)													
	-31.6614700	-31°	39'	41.292"	116.0212536	116°	01'	16.513"	407212.08	6496670.78	45.7	150.0	226°	11'	55"	1691	5548	1751	5745	34.8	114.3
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	-31.673057	-31°	40'	23.00"	116.009455	116°	00'	34.03"	406105.12	6495376.29	36.6	120.1	POST	1700.2	5578.2	109.4	359.1	L	-		
2	-31.671800	-31°	40"	18.47"	116.007593	116°	00"	27.33"	405927.40	6495514.12	36.2	118.9	MOVING	1748.1	5735.1	114.0	374.1	R	-		
3	-31.672646	-31°	40'	21.52"	116.006807	116°	00"	24.50"	405853.69	6495419.56	36.0	118.1	MOVING	1844.6	6051.9	101.0	331.3	R	1.22		
4	-31.672842	-31°	40"	22.23"	116.006607	116°	00"	23.78"	405834.99	6495397.73	43.9	144.0	TREE	1873.3	6146.0	99.2	325.3	R	7.41		
5	-31.672946	-31°	40"	22.60"	116.006551	116°	00"	23.58"	405829.70	6495386.16	44.2	145.0	TREE	1885.3	6185.3	94.9	311.3	R	6.98		
6	-31.674121	-31°	40"	26.83"	116.006238	116°	00"	22.45"	405801.23	6495255.65	42.4	139.3	TREE	1998.7	6557.4	24.2	79.5	R	3.07		
7	-31.673616	-31°	40"	25.01"	116.005516	116°	00"	19.85"	405732.31	6495311.04	43.6	143.1	TREE	2007.1	6584.9	112.3	368.4	R	3.43		
8	-31.675881	-31°	40"	33.17"	116.005825	116°	00"	20.96"	405763.88	6495060.22	51.6	169.1	TREE	2164.9	7102.6	85.3	279.9	L	4.04		
9	-31.677315	-31°	40"	38.33"	116.004838	116°	00"	17.41"	405671.79	6494900.33	48.3	158.5	TREE	2343.7	7689.4	130.8	429.3	L	2.27		
10	-31.677236	-31°	40"	38.04"	115.999977	115°	59"	59.91"	405210.92	6494904.95	57.6	188.9	TREE	2661.9	8733.3	202.8	665.3	R	2.50		
11	-31.680109	-31°	40"	48.39"	116.002023	116°	00"	07.28"	405407.79	6494588.20	51.1	167.8	TREE	2751.7	9027.8	159.3	522.7	L	1.63		
12	-31.683052	-31°	40"	58.98"	115.999955	115°	59"	59.83"	405214.75	6494260.27	57.3	187.9	TREE	3121.4	10240.9	249.7	819.2	L	1.64		
13	-31.680239	-31°	40"	48.86"	115.995838	115°	59"	45.01"	404821.68	6494568.41	56.3	184.6	TREE	3174.7	10415.7	247.0	810.5	R	1.50		
14	-31.687000	-31°	41"	13.19"	115.996387	115°	59"	46.99"	404880.53	6493819.53	58.1	190.6	TREE	3670.5	12042.5	317.6	1041.8	L	1.21		
15	-31.683694	-31°	41"	01.29"	115.992092	115°	59"	31.53"	404470.09	6494182.20	58.3	191.2	TREE	3696.9	12128.8	229.7	753.6	R	1.20		
16	-31.688435	-31°	41"	18.36"	115.983405	115°	59"	00.25"	403651.59	6493649.11	75.9	249.1	TREE	4650.0	15256.0	444.6	1458.6	R	1.42		

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DANIEL GEEVES  
REGISTERED SURVEYOR  
aurecon

13/12/2024  
DATE



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REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	FOR ISSUE	PROJECT
A	30.09.24	FOR REVIEW	DG	AS SHOWN	A1/A3	NOT FOR CONSTRUCTION	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE PEARCE
B	08.11.24	FOR ISSUE	DG				
C	13.12.24	FOR ISSUE - RWS WIDTH AMENDMENT	DG				

DRAWN	APPROVED	TITLE
MH		AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED DECEMBER 2024 RUNWAY 23 - SHEET 7 OF 7
KI/MH/WOOLPERT		
GH		

DRAWING No.	PROJECT No.	WBS	TYPE	DISC	SITE	NUMBER	REV
520002	EST09759	DRG	UU	PEA	008	C	