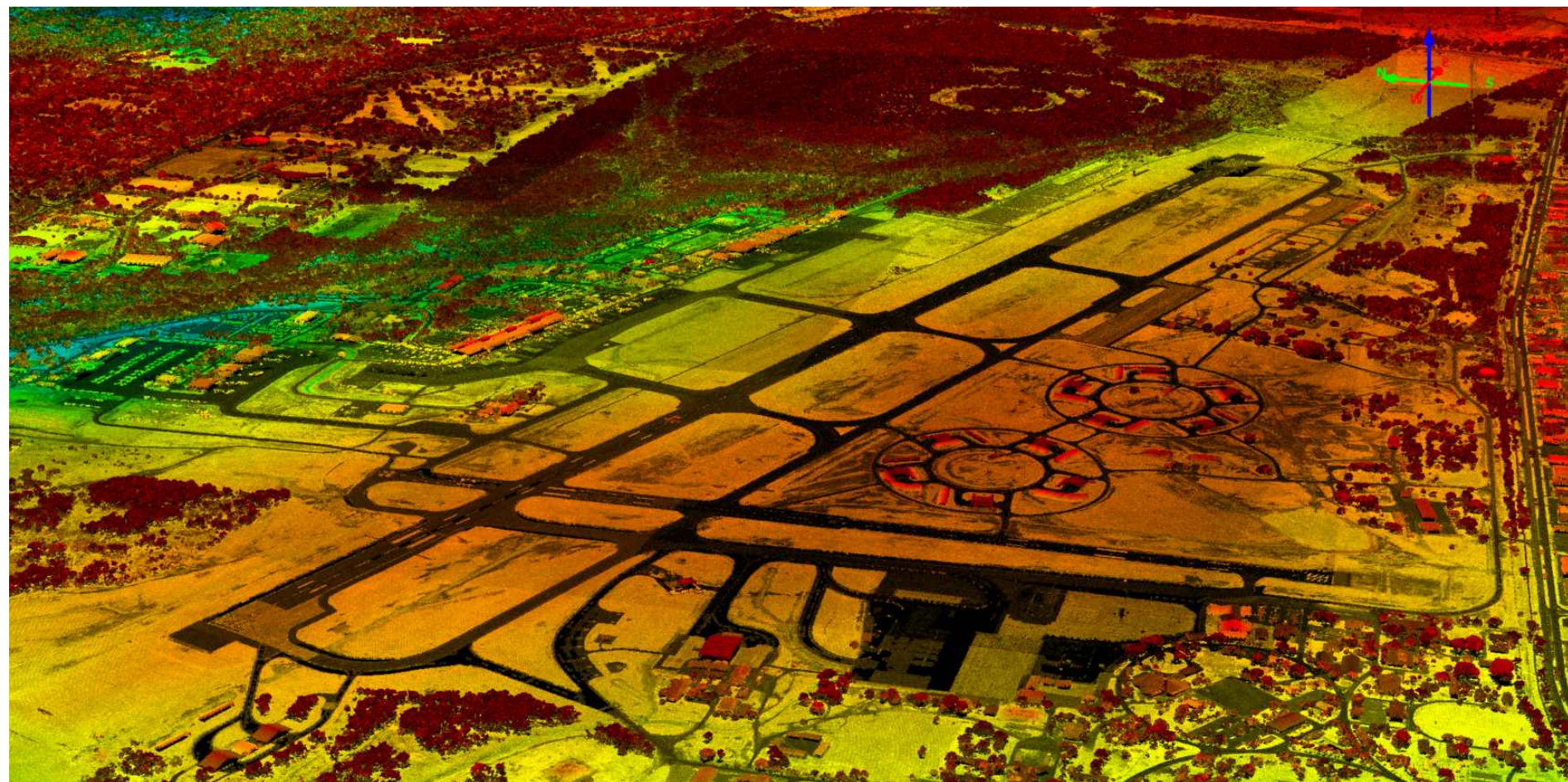


OBSTACLE LIMITATION SURVEYS AND ASSESSMENT

RAAF BASE DARWIN AERODROME OBSTACLE CHART ICAO TYPE A
(OPERATING LIMITATIONS) ISSUED JULY 2019



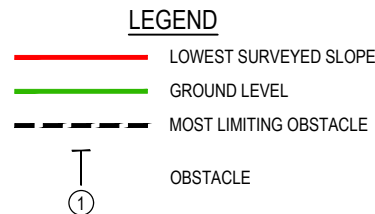
| REV | DATE | REVISION DETAILS | APPROVED |
|-----|----------|------------------|----------|
| A | 31.01.19 | FINAL FOR REVIEW | |
| B | 27.02.19 | SIGNED FOR ISSUE | GH |
| C | 19.07.19 | SIGNED FOR ISSUE | GH |

| SCALE | SIZE |
|----------|----------|
| AS SHOWN | A1/A3 |
| DRAWN | AM |
| SURVEYED | K1 / AAM |
| CHECKED | DGG |

| SIGNED FOR ISSUE | DATE |
|---|----------|
| NOT FOR CONSTRUCTION | 19.07.19 |
|  | |
| GLENN HALLAHAN | |

| PROJECT | TITLE | DRAWING No. | PROJECT No. | WBS | TYPE | DISC | NUMBER | REV |
|--|--|-------------|-------------|-----|------|------|--------|-----|
| OBSTACLE LIMITATION SURVEYS AND ASSESSMENT | RAAF BASE DARWIN AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED JULY 2019 COVER SHEET | 248842 | D21019 | DRG | CV | 001 | C | |

| DECLARED DISTANCES FOR RUNWAY 11 | |
|---|---|
| TAKE OFF RUN AVAILABLE (TORA) | 3354m (11003') |
| TAKE OFF DISTANCE AVAILABLE (TODA) | 3444m (11299') 2.21% |
| ACCELERATE STOP DISTANCE AVAILABLE (ASDA) | 3354m (11003') |
| LANDING DISTANCE AVAILABLE (LDA) | 3354m (11003') |
| SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA) | 2935m (9629') 1.6%, 3221m (10567') 1.9%, 3299m (10823') 2.0%, 3439m (11282') 2.2% |



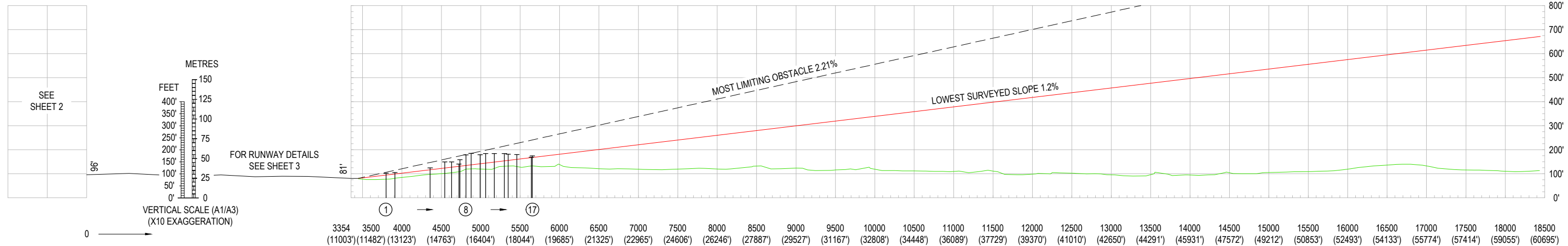
NOTES

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA94) ZONE 52 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 :-

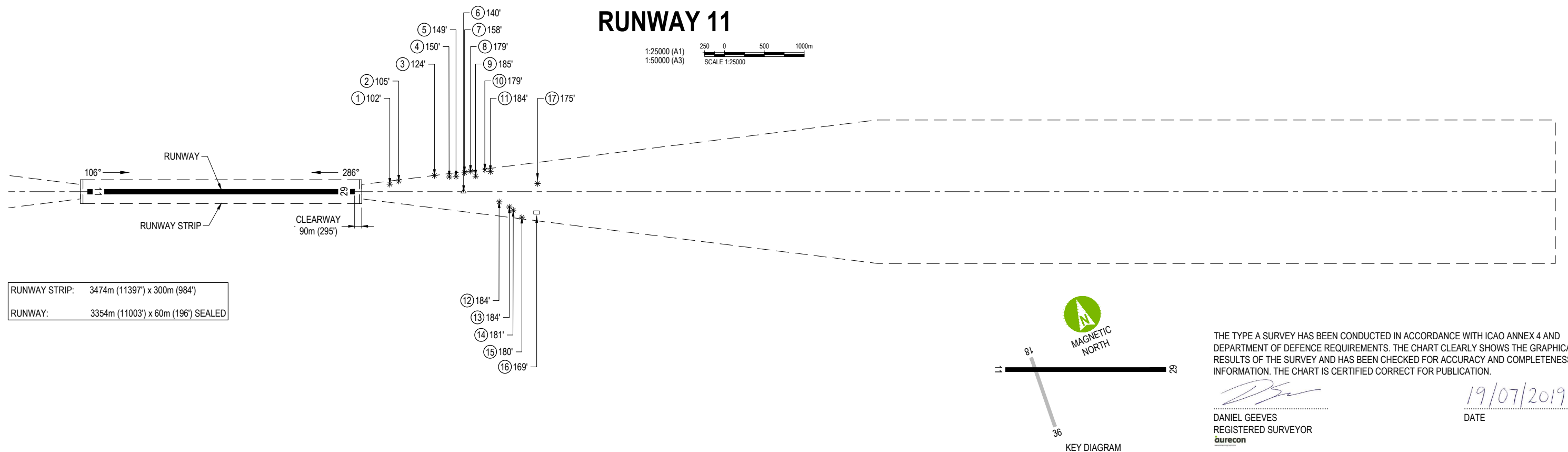
PROJECT DIRECTOR
NATIONAL AIRFIELD PROJECT
BP26-1C-052
DEPARTMENT OF DEFENCE
CANBERRA ACT 2600
TEL: (02) 6266 8081
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 2°36' E (JULY 2019)
- AERIAL SURVEY COMPLETED MAY 2018.
GROUND SURVEY CHECKS AND VERIFICATION OCTOBER 2018.

LEGEND

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



RUNWAY 11



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
19/07/2019
DATE



CLIENT

Australian Government
Department of Defence
Estate and Infrastructure Group

| REV | DATE | REVISION DETAILS | APPROVED |
|-----|----------|------------------|----------|
| A | 31.01.19 | FINAL FOR REVIEW | |
| B | 27.02.19 | SIGNED FOR ISSUE | GH |
| C | 19.07.19 | SIGNED FOR ISSUE | GH |

| SCALE | SIZE |
|-----------------|-------|
| AS SHOWN | A1/A3 |
| DRAWN | |
| AM | |
| SURVEYED | |
| KI / AAM | |
| CHECKED | |
| DGG | |

SIGNED FOR ISSUE
NOT FOR CONSTRUCTION

APPROVED

[Signature]
GLENN HALLAHAN
DATE: 19.07.19

| PROJECT | TITLE | DRAWING No. | PROJECT No. | WBS | TYPE | DISC | NUMBER | REV |
|--|--|-------------|-------------|-----|------|------|--------|-----|
| OBSTACLE LIMITATION SURVEYS AND ASSESSMENT | RAAF BASE DARWIN AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED JULY 2019 RUNWAY 11 - SHEET 1 OF 6 | 248842 | D21019 | DRG | CV | 002 | C | |

| DECLARED DISTANCES FOR RUNWAY 29 | |
|---|---------------------|
| TAKE OFF RUN AVAILABLE (TORA) | 3354m (11003') |
| TAKE OFF DISTANCE AVAILABLE (TODA) | 3444m (11299') 1.0% |
| ACCELERATE STOP DISTANCE AVAILABLE (ASDA) | 3354m (11003') |
| LANDING DISTANCE AVAILABLE (LDA) | 3354m (11003') |
| SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA) | N/A |

| LEGEND | |
|--------|------------------------|
| | LOWEST SURVEYED SLOPE |
| | GROUND LEVEL |
| | MOST LIMITING OBSTACLE |
| | OBSTACLE |

NOTES

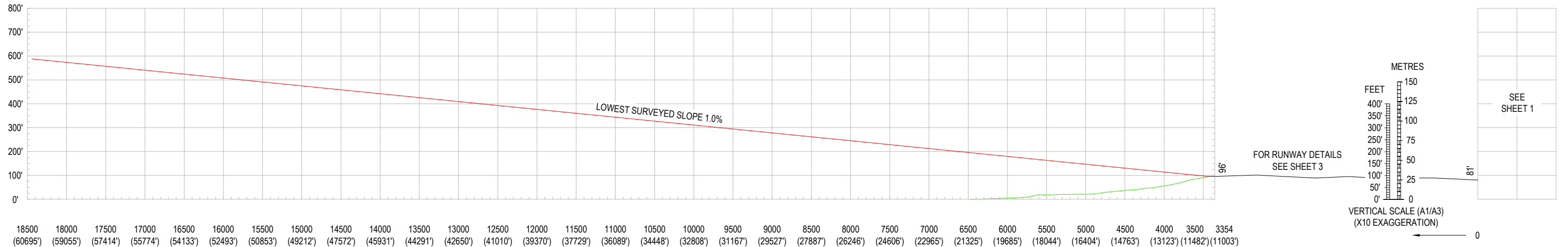
- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA94) ZONE 52 THE VERTICAL DATUM BEING AHD.
- HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
- USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS SOON AS THEY BECOME APPARENT TO :-

PROJECT DIRECTOR
NATIONAL AIRFIELD PROJECT
BP26-1C-052
DEPARTMENT OF DEFENCE
CANBERRA ACT 2600
TEL: (02) 6266 8081
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 2°36' E (JULY 2019)
- AERIAL SURVEY COMPLETED MAY 2018.
GROUND SURVEY CHECKS AND VERIFICATION OCTOBER 2018.

LEGEND

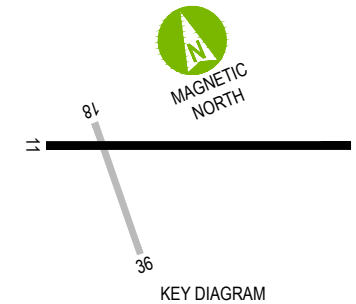
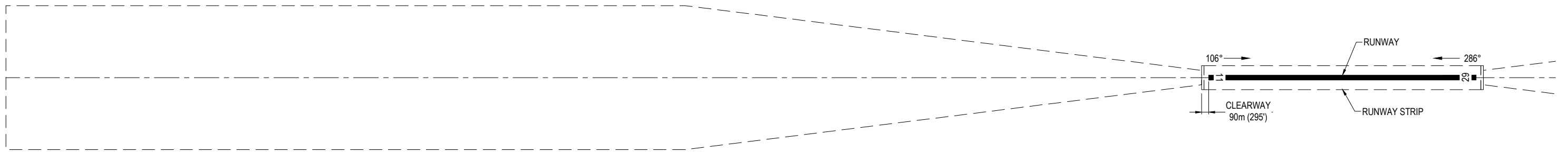
| OBSTRUCTIONS AND OBSTACLES | |
|----------------------------|---|
| | OBSTACLE NUMBER |
| | TOP ELEVATION IN FEET |
| | TREE(S) OR VEGETATION |
| | BUILDING OR LARGE STRUCTURE |
| | POLE, TOWER, SPIRE ETC |
| | ANTENNA |
| | MOVING (ROADS, RAILWAY TRACKS ETC) |
| | TERRAIN PENETRATING LOWEST SURVEYED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

NO OBJECTS APPEAR ON THE CHART



RUNWAY 29

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



| | |
|---------------|------------------------------------|
| RUNWAY STRIP: | 3474m (11397') x 300m (984') |
| RUNWAY: | 3354m (11003') x 60m (196') 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
19/07/2019
DATE



| REV | DATE | REVISION DETAILS | APPROVED |
|-----|----------|------------------|----------|
| A | 31.01.19 | FINAL FOR REVIEW | |
| B | 27.02.19 | SIGNED FOR ISSUE | GH |
| C | 19.07.19 | SIGNED FOR ISSUE | GH |

| | | | |
|----------|----------|----------|----------|
| SCALE | AS SHOWN | SIZE | A1/A3 |
| DRAWN | AM | APPROVED | |
| SURVEYED | KI / AAM | DATE | 19.07.19 |
| CHECKED | DGG | | |

SIGNED FOR ISSUE
NOT FOR CONSTRUCTION
[Signature]
GLENN HALLAHAN

| | | | | | |
|-------------|---|-----|------|------|--------|
| PROJECT | OBSTACLE LIMITATION SURVEYS AND ASSESSMENT | | | | |
| TITLE | RAAF BASE DARWIN AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED JULY 2019 RUNWAY 29 - SHEET 2 OF 6 | | | | |
| DRAWING No. | PROJECT No. | WBS | TYPE | DISC | NUMBER |
| 248842 | D21019 | DRG | CV | 003 | C |

DEPARTMENT OF DEFENCE

ESTATE AND INFRASTRUCTURE GROUP

AERODROME OBSTACLE CHART - ICAO TYPE A
(OPERATING LIMITATIONS) JULY 2019, COMPILED BY AURECON

TO BE READ IN CONJUNCTION WITH CURRENT NOTAMs

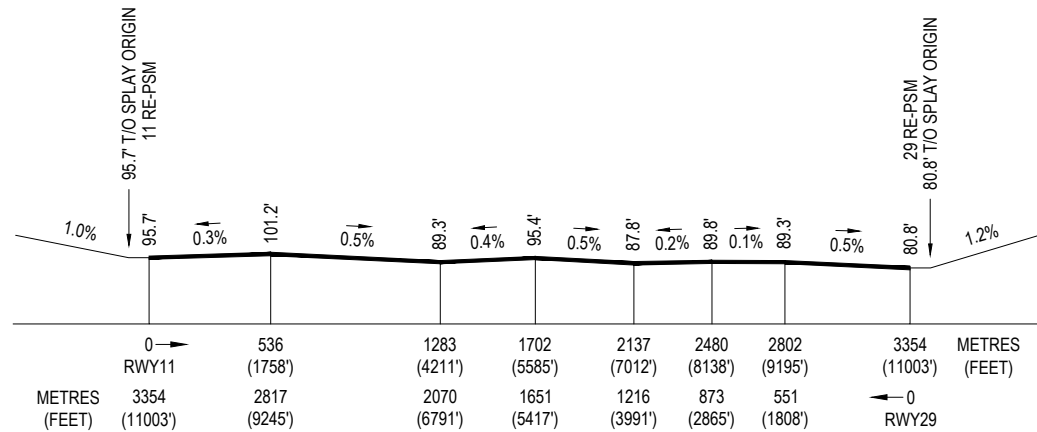
THE ORIGIN OF THE TAKE OFF SURFACE IS LOCATED AT THE END OF THE CLEARWAY.
DISTANCES COMMENCE FROM THE RAAF RE-PSM AT THE START OF THE TAKE-OFF RUNWAY (SOT)

DATUM

AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA94) ZONE 52
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



11/29 RWY LONGITUDINAL SECTION
NOT TO SCALE

| 11 TAKE OFF | | | | | | | | | | | | | | | | | | | |
|----------------------------------|------------|-------|--------|-------|-------|--------|-----------|------------|---------------|-------------------------|------------------|-------------------|---------|--------|---------|--------------------------|-------|------|------|
| RE - PSM AT START OF TORA | | | | | | | | | | 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) | | | | | | | | | |
| | (DEG) | (MIN) | (SEC) | (DEG) | (MIN) | (SEC) | | | | | | | | | | | | | |
| | -12° | 24' | 33.87" | 130° | 51' | 54.92" | 702771.26 | 8627464.63 | 29.2 | 95.7 | 106° | 18' | 36" | 3354 | 11003 | 3444 | 11299 | 24.6 | 80.8 |
| 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) | | | | |
| | (DEG) | (MIN) | (SEC) | (DEG) | (MIN) | (SEC) | | | | | | | | | | | | | |
| 1 | -12° | 25' | 11.08" | 130° | 53' | 54.85" | 706385.87 | 8626295.64 | 31.1 | 101.9 | TREE | 3797.4 | 12458.6 | 92.3L | 302.7L | 1.82 | | | |
| 2 | -12° | 25' | 11.00" | 130° | 53' | 58.81" | 706505.44 | 8626297.04 | 32.1 | 105.3 | TREE | 3909.7 | 12827.2 | 133.1L | 436.8L | 1.60 | | | |
| 3 | -12° | 25' | 13.57" | 130° | 54' | 13.58" | 706950.99 | 8626214.82 | 37.8 | 124.1 | TREE | 4357.4 | 14295.8 | 202.9L | 665.7L | 1.44 | | | |
| 4 | -12° | 25' | 16.09" | 130° | 54' | 19.21" | 707120.42 | 8626136.37 | 45.6 | 149.5 | TREE | 4543.2 | 14905.4 | 184.9L | 606.6L | 1.91 | | | |
| 5 | -12° | 25' | 16.95" | 130° | 54' | 21.93" | 707202.35 | 8626109.40 | 45.4 | 149.1 | TREE | 4629.4 | 15188.4 | 186.5L | 612.0L | 1.76 | | | |
| 6 | -12° | 25' | 23.61" | 130° | 54' | 22.90" | 707230.16 | 8625904.53 | 42.7 | 140.0 | ANTENNA | 4723.4 | 15496.7 | 2.4L | 7.9L | 1.41 | | | |
| 7 | -12° | 25' | 16.49" | 130° | 54' | 25.82" | 707319.92 | 8626122.48 | 48.2 | 158.3 | TREE | 4736.0 | 15538.1 | 237.8L | 780.1L | 1.83 | | | |
| 8 | -12° | 25' | 16.71" | 130° | 54' | 28.36" | 707396.71 | 8626115.22 | 54.4 | 178.5 | TREE | 4810.9 | 15783.8 | 256.3L | 840.9L | 2.18 | | | |
| 9 | -12° | 25' | 19.27" | 130° | 54' | 29.75" | 707438.20 | 8626036.23 | 56.2 | 184.5 | TREE | 4876.2 | 15997.9 | 195.5L | 641.3L | 2.21 | | | |
| 10 | -12° | 25' | 18.11" | 130° | 54' | 34.17" | 707571.99 | 8626071.09 | 54.6 | 179.0 | TREE | 4990.9 | 16374.2 | 272.6L | 894.5L | 1.94 | | | |
| 11 | -12° | 25' | 19.52" | 130° | 54' | 36.13" | 707630.68 | 8626027.37 | 56.0 | 183.7 | TREE | 5060.7 | 16603.4 | 250.8L | 822.8L | 1.94 | | | |
| 12 | -12° | 25' | 32.31" | 130° | 54' | 35.53" | 707609.78 | 8625634.34 | 56.2 | 184.3 | TREE | 5171.0 | 16965.1 | 127.0R | 416.7R | 1.83 | | | |
| 13 | -12° | 25' | 35.67" | 130° | 54' | 38.84" | 707709.11 | 8625530.45 | 56.2 | 184.3 | TREE | 5299.1 | 17385.4 | 192.2R | 630.5R | 1.70 | | | |
| 14 | -12° | 25' | 37.43" | 130° | 54' | 39.93" | 707741.56 | 8625475.91 | 55.3 | 181.4 | TREE | 5347.7 | 17545.0 | 232.9R | 764.2R | 1.61 | | | |
| 15 | -12° | 25' | 41.26" | 130° | 54' | 42.43" | 707816.27 | 8625357.88 | 54.8 | 179.7 | TREE | 5457.2 | 17904.3 | 319.6R | 1048.5R | 1.50 | | | |
| 16 | -12° | 25' | 41.40" | 130° | 54' | 48.84" | 708009.82 | 8625352.11 | 51.4 | 168.6 | BUILDING | 5641.8 | 18509.8 | 261.0R | 856.4R | 1.22 | | | |
| 17 | -12° | 25' | 30.37" | 130° | 54' | 53.10" | 708141.09 | 8625690.19 | 53.2 | 174.6 | TREE | 5653.9 | 18549.4 | 101.4L | 332.7L | 1.29 | | | |

| 29 TAKE OFF | | | | | | | | | | | | | | | | | | | |
|----------------------------------|------------|-------|--------|-------|-------|--------|-----------|------------|---------------|-------------------------|------------------|-------------------|-------|--------|-------|--------------------------|-------|------|------|
| RE - PSM AT START OF TORA | | | | | | | | | | 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) | | | | | | | | | |
| | (DEG) | (MIN) | (SEC) | (DEG) | (MIN) | (SEC) | | | | | | | | | | | | | |
| | -12° | 25' | 09.24" | 130° | 53' | 39.98" | 705936.87 | 8626355.22 | 24.6 | 80.8 | 286° | 18' | 36" | 3354 | 11003 | 3444 | 11299 | 29.2 | 95.7 |
| 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) | | | | |
| | (DEG) | (MIN) | (SEC) | (DEG) | (MIN) | (SEC) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| NO OBJECTS APPEAR ON THE 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

19/07/2019
DATE

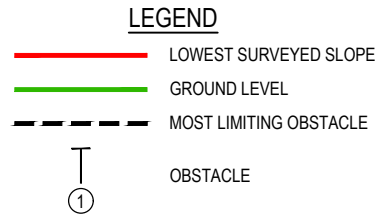


www.aurecongroup.com



| REV | DATE | REVISION DETAILS | APPROVED | SCALE | SIZE | SIGNED FOR ISSUE | PROJECT |
|-----|----------|------------------|----------|----------|-------|----------------------|--|
| A | 31.01.19 | FINAL FOR REVIEW | | AS SHOWN | A1/A3 | NOT FOR CONSTRUCTION | OBSTACLE LIMITATION SURVEYS AND ASSESSMENT |
| B | 27.02.19 | SIGNED FOR ISSUE | GH | | | | |
| C | 19.07.19 | SIGNED FOR ISSUE | GH | | | | |
| | | | | DRAWN | | APPROVED | |
| | | | | AM | | | |
| | | | | SURVEYED | | DATE | TITLE |
| | | | | KI / AAM | | 19.07.19 | RAAF BASE DARWIN AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED JULY 2019 |
| | | | | CHECKED | | | RUNWAY 11/29 - SHEET 3 OF 6 |
| | | | | DGG | | GLENN HALLAHAN | |
| | | | | | | | DRAWING No. 248842 - D21019 - DRG - CV - 004 - C |

| DECLARED DISTANCES FOR RUNWAY 18 | |
|---|--|
| TAKE OFF RUN AVAILABLE (TORA) | 1524m (5000') |
| TAKE OFF DISTANCE AVAILABLE (TODA) | 1584m (5196') 13.39% |
| ACCELERATE STOP DISTANCE AVAILABLE (ASDA) | 1524m (5000') |
| LANDING DISTANCE AVAILABLE (LDA) | 1524m (5000') |
| SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA) | 1075m (3526') 1.6%, 1169m (3835') 1.9%, 1194m (3917') 2.0%, 1239m (4064') 2.2%, 1292m (4238') 2.5%, 1389m (4557') 3.3%, 1493m (4898') 5.0% |



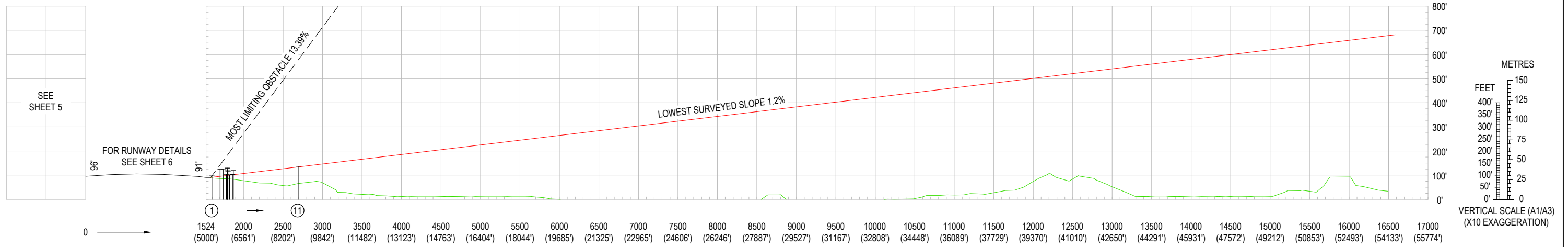
NOTES

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA94) ZONE 52 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 :-

PROJECT DIRECTOR
NATIONAL AIRFIELD PROJECT
BP26-1C-052
DEPARTMENT OF DEFENCE
CANBERRA ACT 2600
TEL: (02) 6266 8081
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 2°36' E (JULY 2019)
- AERIAL SURVEY COMPLETED MAY 2018.
GROUND SURVEY CHECKS AND VERIFICATION OCTOBER 2018.

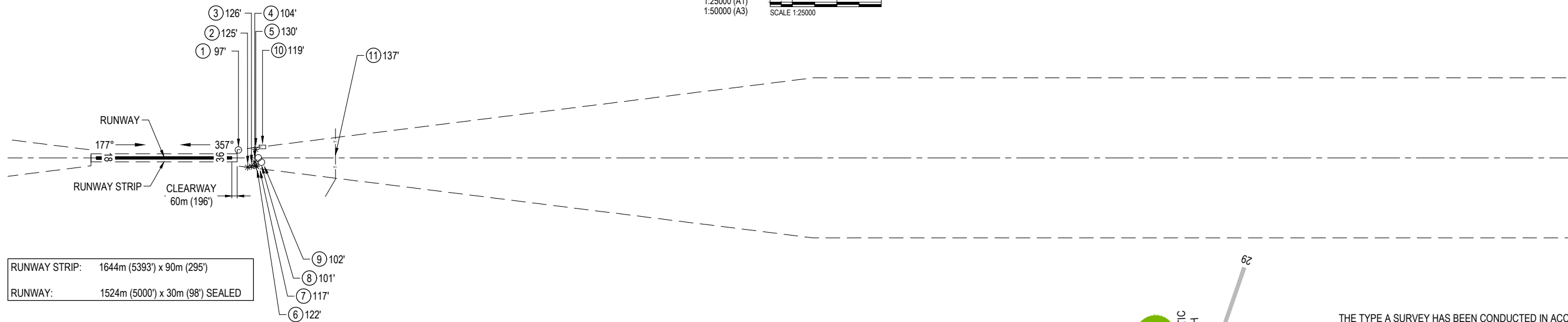
LEGEND

- OBSTRUCTIONS AND OBSTACLES**
- 1 OBSTACLE 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

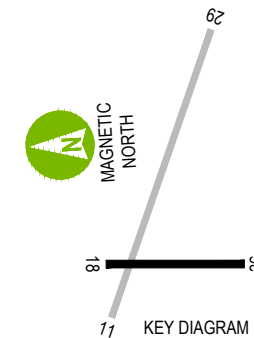


RUNWAY 18

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



RUNWAY STRIP: 1644m (5393') x 90m (295')
RUNWAY: 1524m (5000') x 30m (98') 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

19/07/2019
DATE

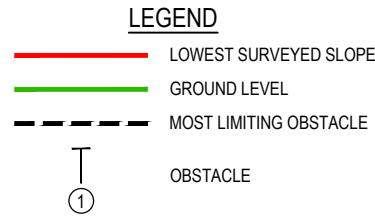
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| A | 31.01.19 | FINAL FOR REVIEW | |
| B | 27.02.19 | SIGNED FOR ISSUE | GH |
| C | 19.07.19 | SIGNED FOR ISSUE | GH |

| SCALE | SIZE |
|-----------------|-------|
| AS SHOWN | A1/A3 |
| DRAWN | |
| AM | |
| SURVEYED | |
| KI / AAM | |
| CHECKED | |
| DGG | |

| SIGNED FOR ISSUE | DATE |
|----------------------|----------|
| NOT FOR CONSTRUCTION | 19.07.19 |
| <i>[Signature]</i> | |
| GLENN HALLAHAN | |

| PROJECT | TITLE | DRAWING No. | PROJECT No. | WBS | TYPE | DISC | NUMBER | REV |
|--|--|-------------|-------------|-----|------|------|--------|-----|
| OBSTACLE LIMITATION SURVEYS AND ASSESSMENT | RAAF BASE DARWIN AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED JULY 2019 RUNWAY 18 - SHEET 4 OF 6 | 248842 | D21019 | DRG | CV | 005 | C | |

| DECLARED DISTANCES FOR RUNWAY 36 | |
|---|--|
| TAKE OFF RUN AVAILABLE (TORA) | 1524m (5000') |
| TAKE OFF DISTANCE AVAILABLE (TODA) | 1584m (5196') 2.63% |
| ACCELERATE STOP DISTANCE AVAILABLE (ASDA) | 1524m (5000') |
| LANDING DISTANCE AVAILABLE (LDA) | 1524m (5000') |
| SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA) | 1543m (5062') 1.6%, 1560m (5118') 1.9%, 1564m (5131') 2.0%, 1572m (5157') 2.2%, 1581m (5187') 2.5% |



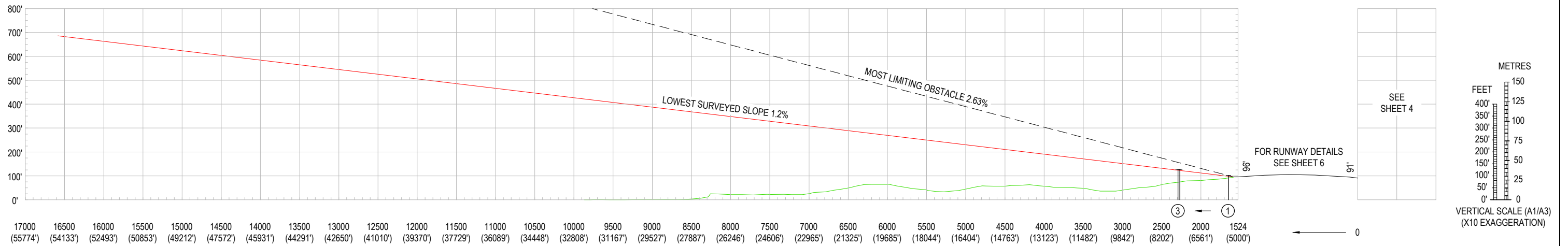
NOTES

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA94) ZONE 52 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 :-

PROJECT DIRECTOR
NATIONAL AIRFIELD PROJECT
BP26-1C-052
DEPARTMENT OF DEFENCE
CANBERRA ACT 2600
TEL: (02) 6266 8081
- FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- MAGNETIC VARIATION 2°36' E (JULY 2019)
- AERIAL SURVEY COMPLETED MAY 2018.
GROUND SURVEY CHECKS AND VERIFICATION OCTOBER 2018.

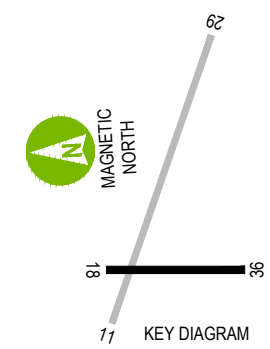
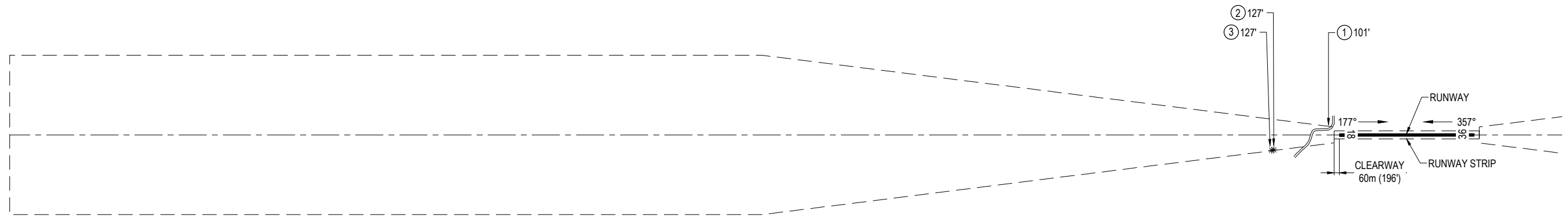
LEGEND

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



RUNWAY 36

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



RUNWAY STRIP: 1644m (5393') x 90m (295')
RUNWAY: 1524m (5000') x 30m (98') 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
REGISTERED SURVEYOR
aurecon

19/07/2019
DATE



| REV | DATE | REVISION DETAILS | APPROVED |
|-----|----------|------------------|----------|
| A | 31.01.19 | FINAL FOR REVIEW | |
| B | 27.02.19 | SIGNED FOR ISSUE | GH |
| C | 19.07.19 | SIGNED FOR ISSUE | GH |

| SCALE | SIZE |
|----------|----------|
| AS SHOWN | A1/A3 |
| DRAWN | AM |
| SURVEYED | KI / AAM |
| CHECKED | DGG |

SIGNED FOR ISSUE
NOT FOR CONSTRUCTION

APPROVED
DATE 19.07.19
GLENN HALLAHAN

| PROJECT | TITLE | DRAWING No. | PROJECT No. | WBS | TYPE | DISC | NUMBER | REV |
|--|---|-------------|-------------|-----|------|------|--------|-----|
| OBSTACLE LIMITATION SURVEYS AND ASSESSMENT | RAAF BASE DARWIN AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED JULY 2019 RUNWAY 36 - SHEET 5 OF 6 | 248842 | D21019 | DRG | CV | 006 | C | |

