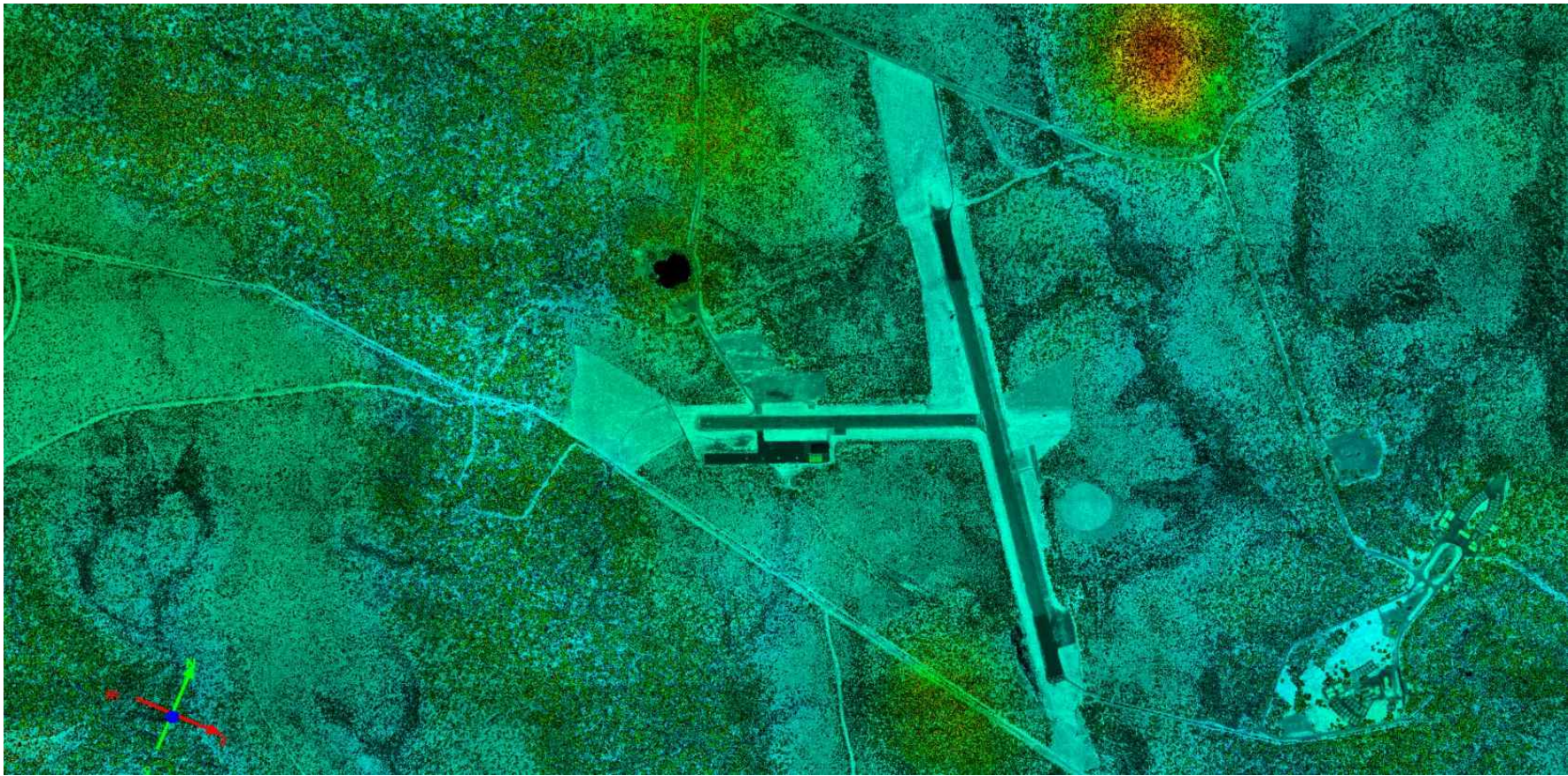


# OBSTACLE LIMITATION SURVEYS AND ASSESSMENT

SAMUEL HILL AERODROME OBSTACLE CHART ICAO TYPE A  
(OPERATING LIMITATIONS) ISSUED OCTOBER 2018



REV	DATE	REVISION DETAILS	APPROVED
A	08.08.18	FINAL FOR REVIEW	
B	12.10.18	SIGNED FOR ISSUE	GG

SCALE	SIZE
AS SHOWN	A1/A3
DRAWN	AM
SURVEYED	DGG / AAM / MK
CHECKED	DGG

SIGNED FOR ISSUE	APPROVED
NOT FOR CONSTRUCTION	
	DATE 12.10.18
	
GARRY GRAHAM	

PROJECT	TITLE	DRAWING No.	PROJECT No.	WBS	TYPE	DISC	NUMBER	REV
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT	SAMUEL HILL AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED OCTOBER 2018 COVER SHEET	248842	D21017	DRG	CV	001	B	

DECLARED DISTANCES FOR RUNWAY 06	
TAKE OFF RUN AVAILABLE (TORA)	700m (2296')
TAKE OFF DISTANCE AVAILABLE (TODA)	730m (2395') 5.27%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	700m (2296')
LANDING DISTANCE AVAILABLE (LDA)	700m (2296')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	607m (1991') 1.6%, 638m (2093') 1.9%, 644m (2112') 2.0%, 656m (2152') 2.2%, 670m (2198') 2.5%, 695m (2280') 3.3%, 725m (2378') 5.0%

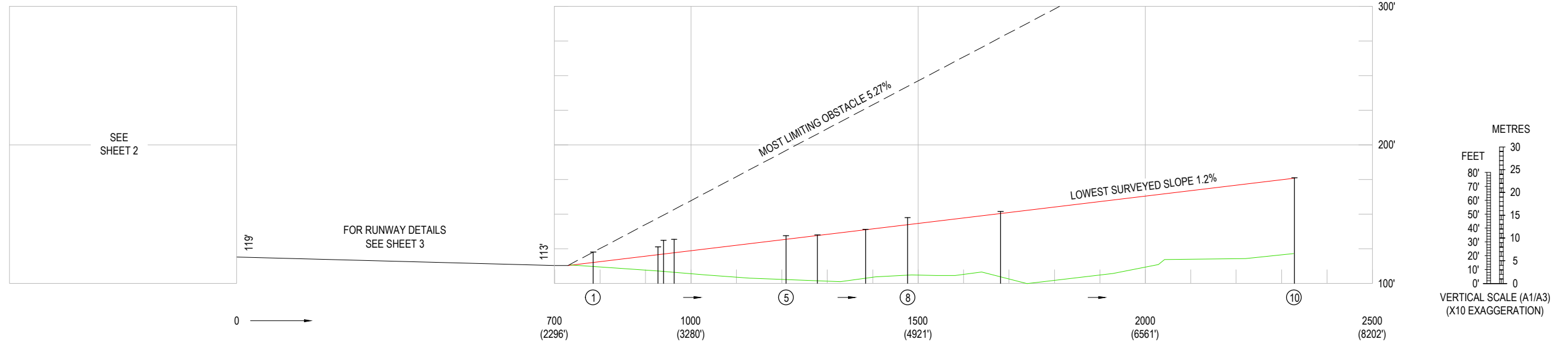
LEGEND	
	LOWEST SURVEYED SLOPE
	GROUND LEVEL
	MOST LIMITING OBSTACLE
	OBSTACLE

**NOTES**

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA94) 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 :-  
  
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 9°06' E (OCTOBER 2018)
- AERIAL SURVEY COMPLETED 8 JUNE 2016.  
GROUND SURVEY CHECKS AND VERIFICATION 11 AUGUST 2017.

**LEGEND**

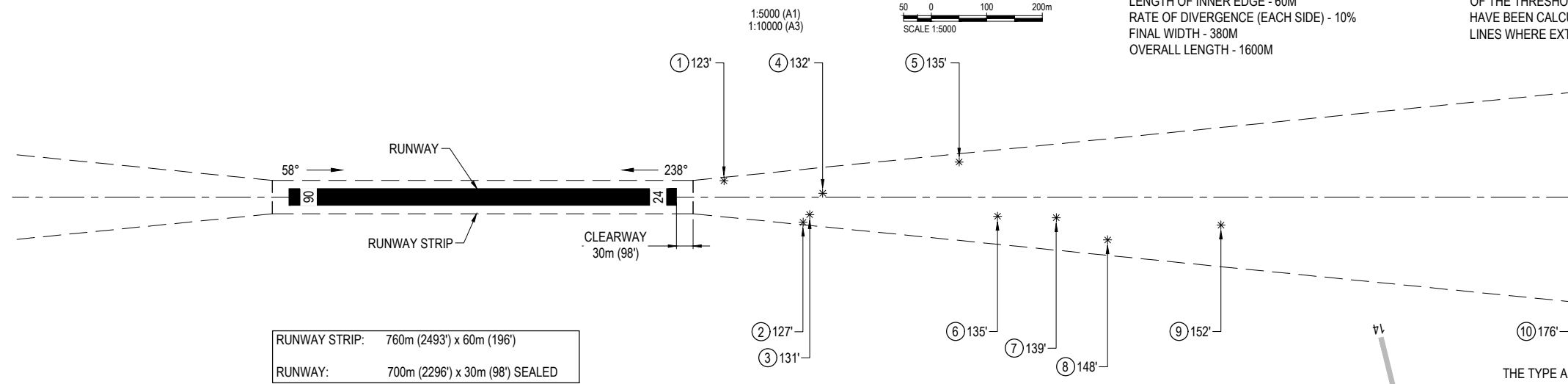
OBSTRUCTIONS AND OBSTACLES	
	OBSTACLE NUMBER
392'	TOP ELEVATION IN FEET
	TREE(S) OR VEGETATION
	BUILDING OR LARGE STRUCTURE
	POLE, TOWER, SPIRE ETC
	ANTENNA
	MOVING (ROADS, RAILWAY TRACKS ETC)
	TERRAIN PENETRATING LOWEST SURVEYED SLOPE
	OVERHEAD TRANSMISSION LINE
	FENCE LINE



**RUNWAY 06 (CODE 1)**

RUNWAY 06 SURVEY HAS BEEN ASSESSED BASED ON THE FOLLOWING "CODE 1" TAKE-OFF PARAMETERS:  
 LENGTH OF INNER EDGE - 60M  
 RATE OF DIVERGENCE (EACH SIDE) - 10%  
 FINAL WIDTH - 380M  
 OVERALL LENGTH - 1600M

NOTE: THE SURVEYED TAKE-OFF OBSTACLES AND STODAs ARE BASED OFF THE RE-PSMs PLACED ON SITE AT THE CENTRELINE OF THE THRESHOLD LINES BUT TORA, TODA, ASDA AND LDA HAVE BEEN CALCULATED TO THE OUTSIDE OF THE THRESHOLD LINES WHERE EXTRA PAVEMENT IS AVAILABLE.



RUNWAY STRIP:	760m (2493') x 60m (196')
RUNWAY:	700m (2296') 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

12/10/2018  
DATE



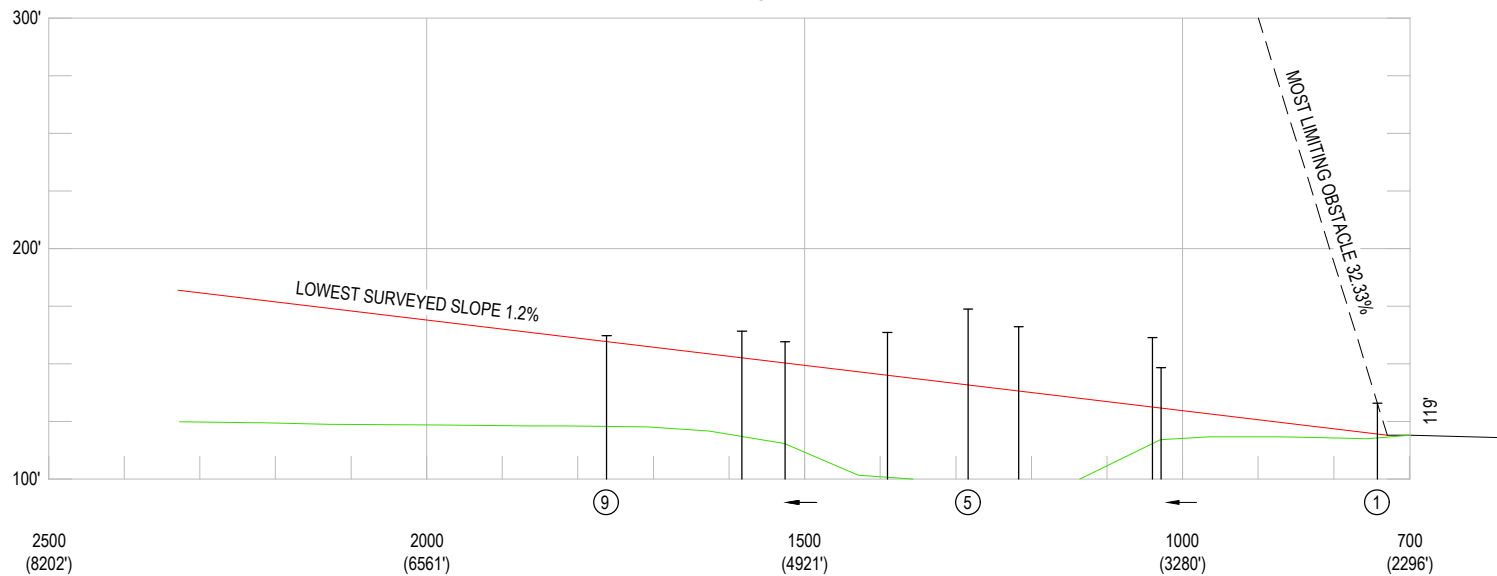
REV	DATE	REVISION DETAILS	APPROVED
A	08.08.18	FINAL FOR REVIEW	
B	12.10.18	SIGNED FOR ISSUE	GG

SCALE	AS SHOWN	SIZE	A1/A3
DRAWN	AM	APPROVED	
SURVEYED	DGG / AAM / MK	DATE	12.10.18
CHECKED	DGG	SIGNED FOR ISSUE	GARRY GRAHAM

PROJECT	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT
TITLE	SAMUEL HILL AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED OCTOBER 2018 RUNWAY 06 - SHEET 1 OF 3
DRAWING No.	248842 - D21017 - DRG - CV - 002 - B

DECLARED DISTANCES FOR RUNWAY 24	
TAKE OFF RUN AVAILABLE (TORA)	700m (2296')
TAKE OFF DISTANCE AVAILABLE (TODA)	730m (2395') 32.33%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	700m (2296')
LANDING DISTANCE AVAILABLE (LDA)	700m (2296')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	139m (456') 1.6%, 304m (997') 1.9%, 346m (1135') 2.0%, 418m (1371') 2.2%, 501m (1643') 2.5%, 606m (1988') 3.3%, 655m (2148') 5.0%
NOTE: UNCONTROLLED ROAD INSIDE CLEARWAY NOT ASSESSED AS PART OF STODA CALCULATIONS	

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

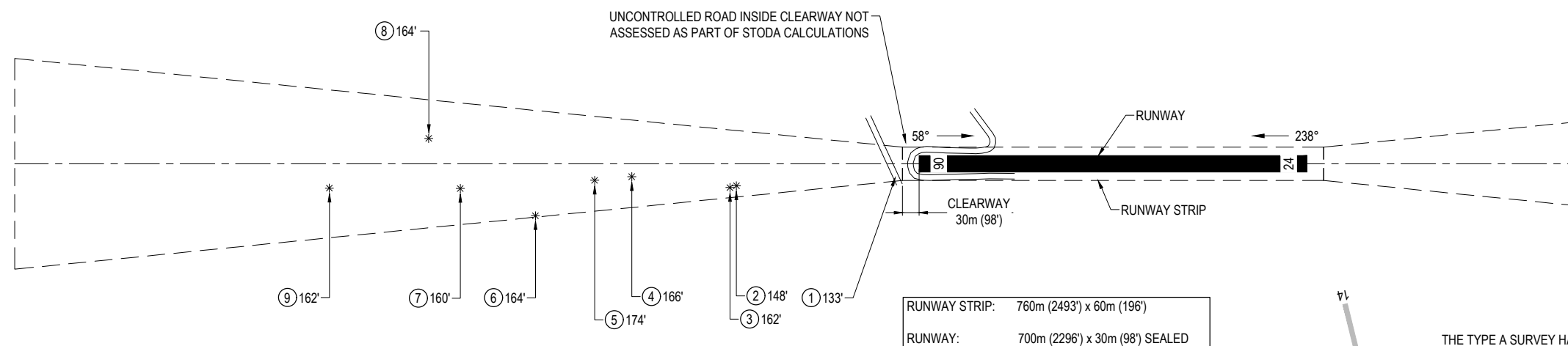
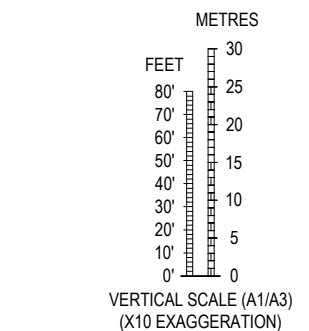


### RUNWAY 24 (CODE 1)

1:5000 (A1)  
1:10000 (A3)  
SCALE 1:5000

RUNWAY 24 SURVEY HAS BEEN ASSESSED BASED ON THE FOLLOWING "CODE 1" TAKE-OFF PARAMETERS:  
LENGTH OF INNER EDGE - 60M  
RATE OF DIVERGENCE (EACH SIDE) - 10%  
FINAL WIDTH - 380M  
OVERALL LENGTH - 1600M

NOTE: THE SURVEYED TAKE-OFF OBSTACLES AND STODAs ARE BASED OFF THE RE-PSMs PLACED ON SITE AT THE CENTRELINE OF THE THRESHOLD LINES BUT TORA, TODA, ASDA AND LDA HAVE BEEN CALCULATED TO THE OUTSIDE OF THE THRESHOLD LINES WHERE EXTRA PAVEMENT IS AVAILABLE.



KEY DIAGRAM

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

12/10/2018  
DATE

**NOTES**

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NATIONAL AIRFIELD PROJECT  
BP26-1C-052  
DEPARTMENT OF DEFENCE  
CANBERRA ACT 2600  
TEL: (02) 6266 8081
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- MAGNETIC VARIATION 9°06' E (OCTOBER 2018)
- AERIAL SURVEY COMPLETED 8 JUNE 2016.  
GROUND SURVEY CHECKS AND VERIFICATION 11 AUGUST 2017.

**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



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B	12.10.18	SIGNED FOR ISSUE	GG

SCALE	SIZE
AS SHOWN	A1/A3

DRAWN	APPROVED
AM	
SURVEYED	
DGG / AAM / MK	
CHECKED	
DGG	

SIGNED FOR ISSUE	DATE
NOT FOR CONSTRUCTION	12.10.18

PROJECT	TITLE
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT	SAMUEL HILL AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED OCTOBER 2018 RUNWAY 24 - SHEET 2 OF 3

DRAWING No.	PROJECT No.	WBS	TYPE	DISC	NUMBER	REV
248842	D21017	DRG	CV	003	B	

