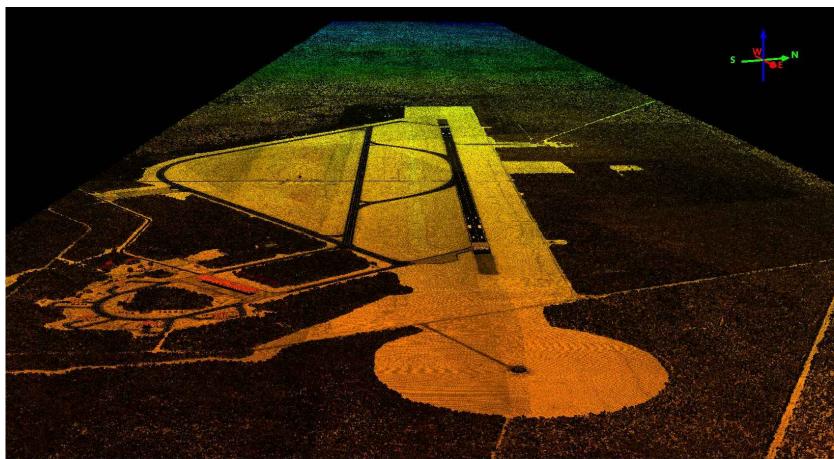
# **OBSTACLE LIMITATION SURVEYS AND** ASSESSMENT

## RAAF BASE CURTIN AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED AUGUST 2017





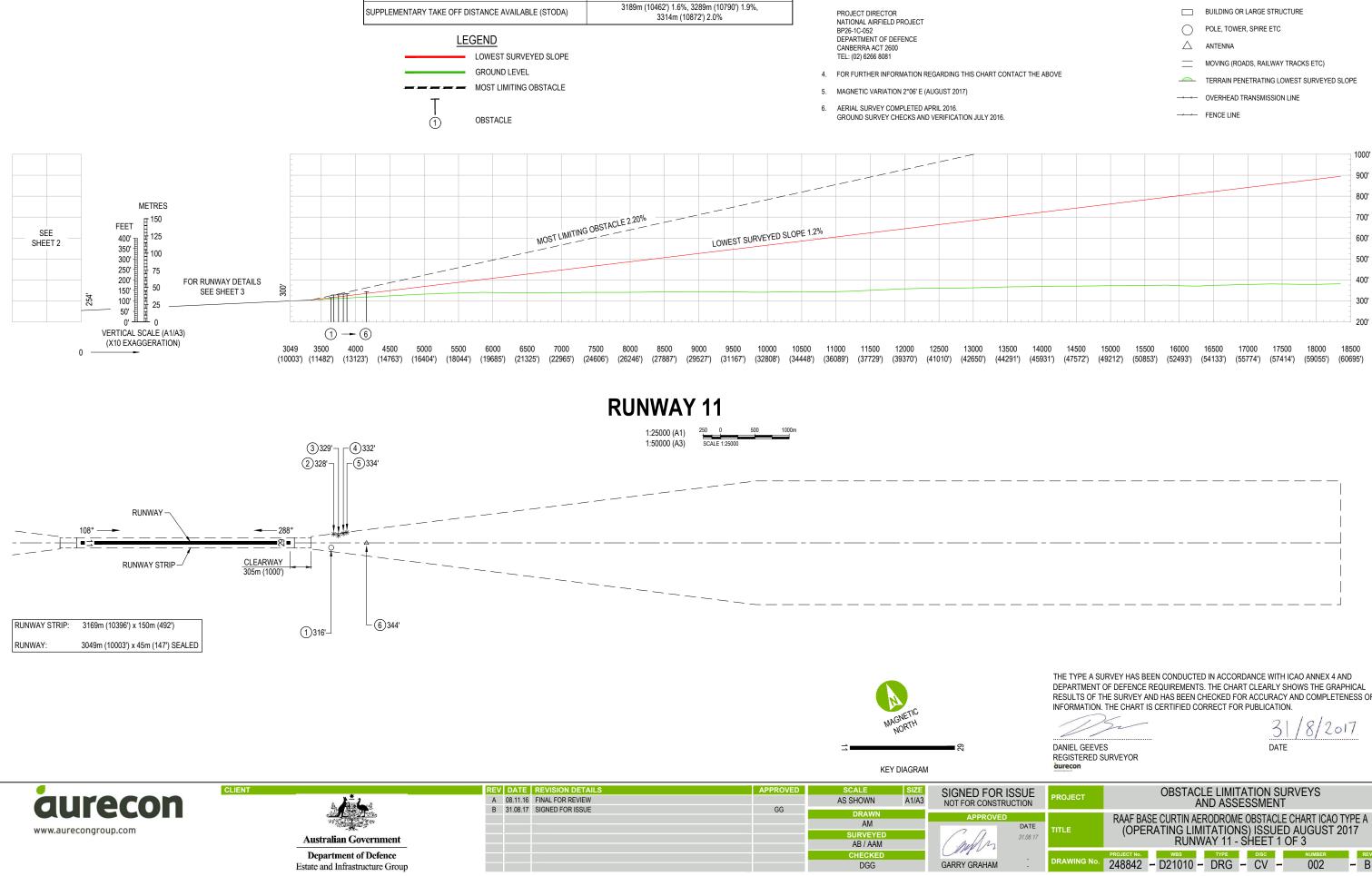


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REV	DATE	REVISION DETAILS	APPROVED	SCALE S	SIGNED FOR ISSUE
Α	08.11.16	FINAL FOR REVIEW		AS SHOWN A1	I/A3 NOT FOR CONSTRUCTION
В	31.08.17	SIGNED FOR ISSUE	GG	DRAWN	
					APPROVED
				AM	DATE
			-	SURVEYED	31.08.17
				AB / AAM	( And M
				CHECKED	
				DGG	GARRY GRAHAM -



PROJECT	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT										
TITLE	RAAF BASE CURTIN AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED AUGUST 2017 COVER SHEET										
DRAWING No.	project no.         wbs         type         disc         number         rev           248842         -         D21010         -         DRG         -         CV         -         001         -         B										



3049m (10003')

3049m (10003')

3049m (10003')

3354m (11003') 2.20%

DECLARED DISTANCES FOR RUNWAY 11

TAKE OFF RUN AVAILABLE (TORA)

TAKE OFF DISTANCE AVAILABLE (TODA) ACCELERATE STOP DISTANCE AVAILABLE (ASDA)

LANDING DISTANCE AVAILABLE (LDA)

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GE THE VERTICAL DATUM BEING AHD. 1.
- HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET 2.

3. USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS

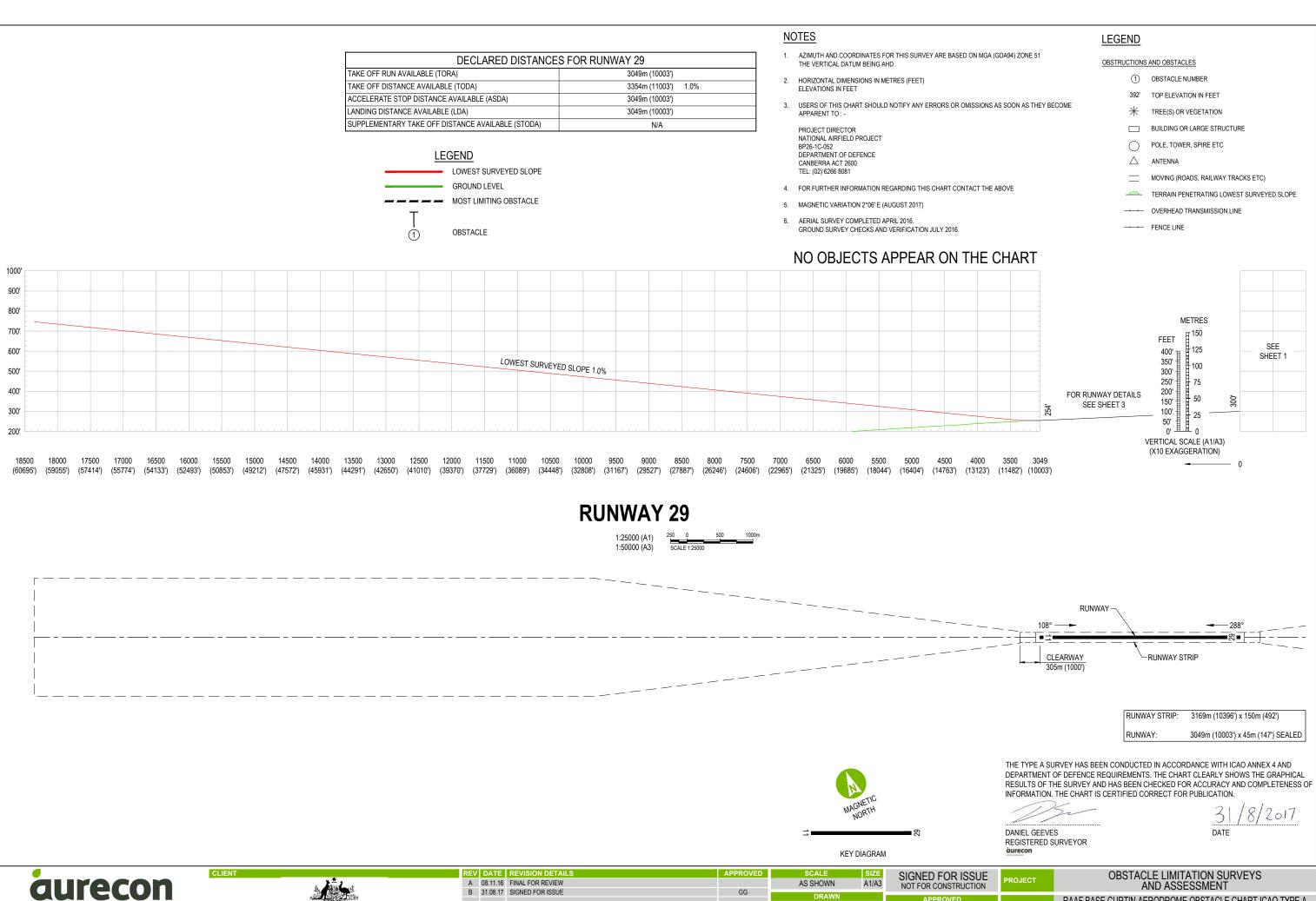
APPARENT TO : -

	LEGEND	
GDA94) ZONE 51	OBSTRUCTIONS	AND OBSTACLES
	1	OBSTACLE NUMBER
	392'	TOP ELEVATION IN FEET
S SOON AS THEY BECOME	*	TREE(S) OR VEGETATION
		BUILDING OR LARGE STRUCTURE
	$\bigcirc$	POLE, TOWER, SPIRE ETC
	$\bigtriangleup$	ANTENNA
	=	MOVING (ROADS, RAILWAY TRACKS ETC)
BOVE		TERRAIN PENETRATING LOWEST SURVEYED SLOPE
	<u> </u>	OVERHEAD TRANSMISSION LINE
	<i></i>	FENCE LINE

0	14500	15000	15500	16000	16500	17000	17500	18000	18500
1')	(47572')	(49212')	(50853')	(52493')	(54133')	(55774')	(57414')	(59055')	(60695')

DEPARTMENT ( RESULTS OF T	JRVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL HE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.
$\square$	5 31/8/2017
DANIEL GEEVE REGISTERED S aurecon	
PROJECT	OBSTACLE LIMITATION SURVEYS AND ASSESSMENT
TITLE	RAAF BASE CURTIN AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED AUGUST 2017 RUNWAY 11 - SHEET 1 OF 3

	PROJECT No.		WBS		TYPE		DISC		NUMBER		RE
AWING No.	248842	-	D21010	-	DRG	-	CV	-	002	-]	В



Australian Government Department of Defence Estate and Infrastructure Group

www.aurecongroup.com

	REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	SIGNED FOR IS	SUE	
	A 08		FINAL FOR REVIEW		AS SHOWN	A1/A3	NOT FOR CONSTRUC		P
	B 3'	1.08.17	SIGNED FOR ISSUE	GG	DRAWN				
					AM		APPROVED	DATE	
					SURVEYED		<u> </u>		Т
					AB / AAM		ant	31.08.17	
					CHECKED		Compose -		
1					DGG		GARRY GRAHAM	-	Ľ
									_

ROJECT OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE CURTIN AERODROME OBSTACLE CHART IO											
TLE			ATING LI	MI		1S	) ISSL	ĴΕ	D AUGUST 20		
RAWING No.	PROJECT No. 248842	-	wвs D21010	_	DRG	-	DISC CV	_	NUMBER 003	_	rev B

#### DEPARTMENT OF DEFENCE

#### ESTATE AND INFRASTRUCTURE GROUP

#### AERODROME OBSTACLE CHART - ICAO TYPE A (OPERATING LIMITATIONS) AUGUST 2017, COMPILED BY AURECON

TO BE READ IN CONJUNCTION WITH CURRENT NOTAMS

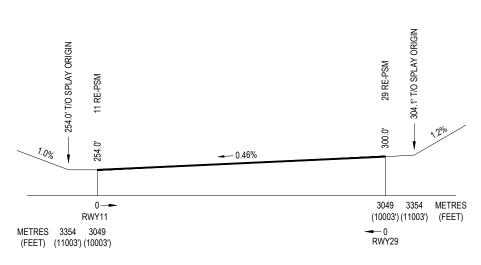
THE ORIGIN OF THE TAKE OFF SURFACE IS LOCATED AT THE END OF THE CLEARWAY DISTANCES COMMENCE FROM THE RAAF RE-PSM AT THE START OF THE TAKE-OFF RUNWAY (SOT)

#### DATUM

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

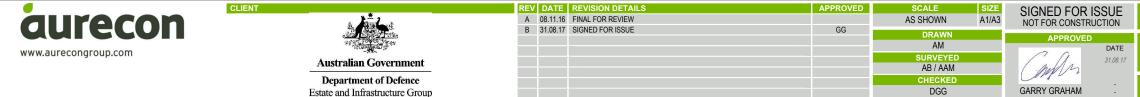


### 11/29 RWY LONGITUDINAL SECTION

NOT TO SCALE

								11	l take	OFF									
RE - PSM AT START OF TORA													RUNWAY MAGNETIC		NDΛ	TODA		ELEVAT	ΓΙΟΝ ΑΤ
			GEOGF	RAPHIC			Μ	ELEVA	ELEVATION		BEARING		TORA		TODA		T.O. ORIGIN		
		LAT			LONG		EASTING NORTHING		(m)	(m) (FT) (		(MIN)	(SEC)	(m)	(FT)	(m)	(FT)	(m)	(FT)
	(DEG)	(MIN)	(SEC)	(DEG)	(MIN)	(SEC)	EASTING	NORTHING		(,,,)	(DEG)	(IVIIIN)	(SLC)		(F1)	(11)	(F1)	(11)	(F1)
	-17°	34'	32.30"	123°	48'	54.40"	586496.30	8056577.36	77.4	254.0	108°	16'	59"	3049	10003	3354	11003	92.7	304.1
								OBJECTS THA	T APPEA	R ON THE	CHART								
			GEOGF	APHIC			Μ	IGA					DISTAN	CE FROM	OFFSET		GRADIENT TO		
REF No	LAT			LONG			FACTING	NODTUNC		ON TOP	TYPE	OF OBST	TACLE	SC	ТС	UF	SEI	ТОР	
	(DEG)	(MIN)	(SEC)	(DEG)	(MIN)	(SEC)	EASTING	NORTHING	(m)	(FT)	(FT)		(m)	(FT)	(m)	(FT)	9	%	
1	-17°	35'	15.71"	123°	50'	49.46"	589881.96	8055228.41	96.3	315.8		POLE		3644.9	11958.5	69.8R	229.1R	1.	23
2	-17°	35'	10.07"	123°	50'	53.03"	589988.13	8055401.23	99.9	327.8		TREE		3683.4	12084.8	129.4L	424.4L	2.	20
3	-17°	35'	11.54"	123°	50'	54.96"	590044.69	8055355.68	100.3	329.2		TREE		3752.4	12311.2	106.7L	349.9L	1.	92
4	-17°	35'	11.47"	123°	50'	57.53"	590120.50	8055357.69	101.3	332.3		TREE		3822.7	12541.7	135.3L	443.7L	1.	83
5	-17°	35'	11.62"	123°	50'	59.37"	590174.78	8055352.78	101.8	334.1		TREE		3875.3	12714.1	149.8L	491.4L	1.	75
6	-17°	35'	19.57"	123°	51'	06.66"	590388.45	8055107.43	104.9	344.3	A	NTENN	۹.	4161.7	13654.0	4.6R	15.2R	1.	52

								20	TAKE	OFF									
				RI	E - PSM	AT STAR	T OF TORA	RUNWAY MAGNETIC			TORA		TODA		ELEVATION A				
	GEOGRAPHIC MGA E						ELEV	ATION	]	BEARING			ЛКА	TODA		T.O. ORIGIN			
	LAT LONG EASTING		NORTHING	(m)	(FT)	(DEG)	(MIN)	(SEC)	(m)	(FT)	(m)	(FT)	(m)	(FT)					
	(DEG)	(MIN)	(SEC)	(DEG)	(MIN)	(SEC)	EASTING	NORTHING		(F1)	(DEG)	(101114)	(SEC)	(m)	(F1)	(m)	(F1)	(11)	(F1)
	-17°	35'	06.84"	123°	50'	31.35"	589349.54	8055503.41	91.5	300.0	288°	16'	59"	3049	10003	3354	11003	77.4	254.0
					OBJECTS THA	HAT APPEAR ON THE CHART													
REF No	GEOGRAPHIC						MGA		ELEVATION TOP					DISTAN	CE FROM	OFFSET		GRADIENT TO	
	LAT			LONG			EASTING	NORTHING			TYPE OF OBSTACLE			S	Т	OTISET		Т	OP
	(DEG)	(MIN)	(SEC)	(DEG)	(MIN)	(SEC)	LASTING	NORTHING	(m)	(FT)			(m) (FT)		(m)	(FT)	%		
											TUE	СПУ	рт _						
	NO OBJECTS A				JECTS AF	FEAF			CHA										



 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.

 31 / 8/2017

 DANIEL GEEVES

 REGISTERED SURVEYOR

 OBSTACLE LIMITATION SURVEYS

 AND ASSESSMENT

 THE

 PROJECT

 OBSTACLE LIMITATION SURVEYS

 AND ASSESSMENT

 TITLE

 PROJECT MOL

 VIBS

 OBSTACLE CHART ICAO TYPE A

 (OPERATING LIMITATIONS) ISSUED AUGUST 2017

 RUNWAY 11 & 29 - SHEET 3 OF 3

 PROJECT MOL

 VIBS

 OBSC

 NUMBER

 AURIES OF STACLE CHART ICAO TYPE A

 (OPERATING LIMITATIONS) ISSUED AUGUST 2017

 NUMBER

 DISC

 NUMBER

 OBSC

 NUMBER

 OBSC

THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND