

SYDNEY (KINGSFORD-SMITH) AIRPORT, AUSTRALIA
AERONAUTICAL INFORMATION PUBLICATION
AERODROME OBSTACLE CHART (DECEMBER 2021)
ICAO ANNEX 4 TYPE A (OPERATING LIMITATIONS)
(Runway 07 Takeoff)

(ALL OBSTACLES PENETRATING THE 1.2% SURFACE)

The origin of the surface is located at the end of the clearway

The total length of the area is 10000 metres (5.4 NM)

The area is splayed at 12.5% (7° 08')

The surface has a gradient of 1.2%

Chainages commence from the start of the Take Off run available

Datum for bearings and co-ordinates is the Map Grid of Australia (MGA94)

Datum for heights (HT) is the Australian Height Datum (AHD)

NB: The published height relating to roads include a height between 2.5m and 4.6m for transient obstacles.

NB: The published height relating to railways include a 5.3m height for transient obstacles.

NB: Obstacle database used for reduction: Obst 220323.xlsm

Mid-point of origin		Runway Bearing	Height at Chainage 00	Runway Length	Chainage at Origin	Height at Origin
<u>Easting</u>	<u>Northing</u>					
(MGA94)		(Deg Min Sec)	(m) (ft)	(metres)	(metres)	(m) (ft)
332799.696	6243319.910	73° 10' 55"	4.896 (16.063)	2529.9	2619.9	6.012 (19.724)

EXPLANATION OF SPECIFIC TERMS

Chart No.	Chart Identification Number, shown on the respective Type A Chart for the current year, denoting only the Significant Obstacles. <u>Note:</u> 1. These numbers are regenerated with each survey and may vary from one year to the next. 2. The previous year's Chart No is also supplied for cross-referencing purposes.
Reference Number	Surveyor Identification Number - A unique sequential number allocated during surveys to identify an obstacle. This number does not change.
Type of Obstacle	ICAO Identification as displayed on Type A Chart and shown on that chart's legend.
Description	General description of the respective obstacle.

Chart No. (2021)	Chart No. (2020)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	Date Last Visited	On Airport
					metres	(feet)									
					MGA94					metres	(feet)	metres			
		12	333123.8	6243422.0	14.0	46.0	10.1	3.9	SPIRE	2960	3.9 North	2.36%	Elec Pole with Light	Nov 21	N
		18	333133.5	6243420.4	14.6	48.0	10.2	4.4	SPIRE	2969	0.4 South	2.47%	Elec Pole with Light	Nov 21	N
		20	333130.9	6243445.0	15.5	50.8	10.3	5.2	SPIRE	2973	23.9 North	2.68%	Elec Pole with Light	Nov 21	N
		22	333121.5	6243476.0	14.5	47.7	10.3	4.3	SPIRE	2973	56.3 North	2.41%	Elec Pole with Light	Nov 21	N
		24	333109.1	6243511.4	15.0	49.2	10.2	4.8	SPIRE	2972	93.8 North	2.56%	Elec Pole with Light	Nov 21	N
		36	333138.8	6243401.5	14.3	47.0	10.2	4.1	SPIRE	2968	20.0 South	2.39%	Light Pole	Nov 21	N
70	70	39	333280.5	6243435.9	20.0	65.6	11.9	8.1	SPIRE	3114	28.1 South	2.83%	Sewer Vent	Dec 21	N
		43	333724.5	6243777.0	22.3	73.1	18.2	4.0	SPIRE	3637	170.0 North	1.60%	Sewer Vent	Dec 21	N
128	133	45	333856.6	6243600.4	28.8	94.5	19.1	9.7	TREE	3713	37.3 South	2.09%	Pine Tree	Dec 21	N
145	151	48	334385.5	6243522.9	36.7	120.3	24.9	11.7	SPIRE	4197	264.5 South	1.94%	Traffic Camera+Mobile phone	Dec 21	N
		49	334046.4	6243811.2	28.4	93.3	22.0	6.4	TREE	3955	109.6 North	1.68%	Pine Tree	Dec 21	N
		50	332899.3	6243353.2	7.7	25.3	7.3	0.4	SPIRE	2725	3.0 North	1.61%	07 Localiser	Nov 21	Y
		53	334107.6	6243829.3	29.1	95.5	22.8	6.3	TREE	4019	109.2 North	1.65%	Gum and Pines	Dec 21	N
		55	334118.4	6243879.0	24.4	80.2	23.1	1.3	SPIRE	4044	153.7 North	1.29%	Sewer Vent	Dec 21	N
		56	332924.1	6243357.6	7.9	25.9	7.6	0.3	LINES	2750	0.1 North	1.45%	Blast Deflector N join	Nov 21	Y
		57	334369.7	6243871.9	34.9	114.4	26.0	8.9	TREE	4283	74.1 North	1.74%	Pine Tree	Dec 21	N
		58	332923.4	6243329.1	8.3	27.1	7.5	0.8	LINES	2741	27.0 South	1.87%	Blast Deflector S join (highest point)	Nov 21	Y
	5	60	332922.3	6243290.9	8.0	26.4	7.3	0.7	LINES	2729	63.2 South	1.87%	Blast Deflector S end	Nov 21	Y
		61	335886.5	6244711.9	53.4	175.2	46.3	7.1	SPIRE	5977	439.4 North	1.41%	St Spyridon West Tower	Dec 21	N
		67	337864.5	6245117.9	92.9	304.8	70.4	22.5	SPIRE	7988	255.7 North	1.62%	Trig Station atop water tower	Nov 21	N
		69	338748.5	6244452.9	78.8	258.5	78.3	0.5	BLDG	8642	636.6 South	1.21%	Building	Dec 21	N
		73	338870.5	6244447.7	90.4	296.5	79.7	10.7	TREE	8757	676.9 South	1.37%	Norfolk Pine Tree	Dec 21	N
		75	338956.5	6244288.9	80.4	263.8	80.1	0.3	BLDG	8794	853.8 South	1.20%	Roof of House	Dec 21	N
146	152	77	334673.3	6243758.6	44.6	146.4	29.1	15.6	ANTEN	4540	122.2 South	2.01%	Mobile Phone Tower	Dec 21	N
		98	332941.5	6243322.3	9.2	30.3	7.6	1.6	SPIRE	2756	38.7 South	2.36%	Light Pole	Nov 21	Y
		99	332897.7	6243369.3	7.9	25.9	7.3	0.6	SPIRE	2728	18.9 North	1.73%	Obstruction Light (Lit 1/1)	Nov 21	Y
		100	332942.1	6243292.1	9.2	30.2	7.6	1.7	SPIRE	2748	67.8 South	2.49%	Light Pole	Nov 21	Y
		101	332908.9	6243332.5	7.9	25.8	7.3	0.6	SPIRE	2728	19.5 South	1.72%	Obstruction Light (Lit 1/1)	Nov 21	Y
	7	102	332942.6	6243263.4	9.1	29.9	7.5	1.7	SPIRE	2740	95.5 South	2.58%	Light Pole	Nov 21	Y
		109	333138.3	6243378.8	14.4	47.4	10.1	4.3	SPIRE	2961	41.6 South	2.47%	Light Pole	Nov 21	N
	126	113	333125.3	6243297.3	14.3	46.8	9.7	4.6	SPIRE	2925	115.8 South	2.71%	Light Pole	Nov 21	N
43	84	115	333129.2	6243326.6	15.6	51.0	9.8	5.7	SPIRE	2937	88.9 South	3.01%	Light Pole	Nov 21	N
		117	333148.5	6243317.7	15.1	49.6	10.0	5.1	SPIRE	2953	103.0 South	2.73%	Light Pole	Nov 21	N
		119	333155.7	6243299.4	13.9	45.5	10.0	3.9	SPIRE	2955	122.6 South	2.35%	Light Pole	Nov 21	N
58	55	125	333225.5	6243305.9	16.7	54.8	10.9	5.8	SPIRE	3023	136.6 South	2.65%	Light Pole	Dec 21	N
		127	333258.0	6243317.4	16.7	54.8	11.3	5.4	SPIRE	3058	135.0 South	2.44%	Light Pole	Dec 21	N
66	64	137	333273.4	6243340.3	21.6	70.7	11.5	10.0	TREE	3079	117.5 South	3.38%	Gum Tree	Dec 21	N
		139	333262.1	6243351.5	16.5	54.0	11.4	5.0	ANTEN	3072	103.6 South	2.31%	TV Antenna (used to be Chimney at 15.5)	Dec 21	N
		143	333361.5	6243426.2	18.8	61.6	12.8	6.0	BLDG	3188	60.8 South	2.25%	Tile Roof of House	Dec 21	N
		147	333757.7	6243598.6	19.5	63.9	18.0	1.5	SPIRE	3618	10.4 South	1.35%	Light Pole	Dec 21	N
		149	333789.5	6243579.9	20.5	67.3	18.3	2.2	SPIRE	3643	37.5 South	1.42%	Light Pole	Dec 21	N
		151	333817.5	6243590.9	20.5	67.3	18.6	1.9	SPIRE	3673	35.1 South	1.38%	Light Pole	Dec 21	N
		153	333834.5	6243562.9	21.8	71.5	18.7	3.1	SPIRE	3681	66.8 South	1.49%	Light Pole	Dec 21	N
		155	333874.5	6243549.9	22.9	75.1	19.2	3.7	SPIRE	3715	90.8 South	1.54%	Light Pole	Dec 21	N
		157	333916.5	6243539.9	22.8	74.8	19.6	3.2	SPIRE	3753	112.5 South	1.48%	Light Pole	Dec 21	N

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					MGA94		metres	metres		metres	metres	metres				%
					metres	(feet)										
		159	333952.5	6243535.9	23.0	75.5	20.0	3.0	SPIRE	3786	126.8 South	1.46%	Light Pole	Dec 21	N	
		161	333985.5	6243533.9	22.8	74.8	20.4	2.4	SPIRE	3817	138.2 South	1.40%	Light Pole	Dec 21	N	
		163	333984.5	6243555.9	22.6	74.1	20.4	2.2	SPIRE	3822	116.9 South	1.38%	Light Pole	Dec 21	N	
		165	333928.5	6243559.9	22.0	72.2	19.8	2.2	SPIRE	3770	96.9 South	1.39%	Light Pole	Dec 21	N	
147	153	169	336559.5	6245074.9	71.6	234.9	55.3	16.3	ANTEN	6727	592.1 North	1.60%	Antenna on Flats	Dec 21	N	
		173	336548.5	6244825.9	59.9	196.5	54.3	5.6	ANTEN	6644	356.9 North	1.34%	Antenna	Dec 21	N	
		175	336665.5	6244806.9	66.7	218.8	55.6	11.1	SPIRE	6751	304.9 North	1.47%	Sewer Vent	Dec 21	N	
		177	336029.5	6244755.9	60.3	197.8	48.1	12.2	BLDG	6127	440.1 North	1.55%	Air Cond. Cooling Tower	Dec 21	N	
		179	336229.5	6244917.9	54.2	177.8	51.0	3.2	BLDG	6365	537.3 North	1.29%	Roof of Flats	Dec 21	N	
		183	338028.1	6245012.3	89.5	293.6	71.9	17.5	TREE	8114	107.3 North	1.52%	She Oak	Dec 21	N	
153	160	185	338062.9	6244982.8	101.0	331.4	72.2	28.8	TREE	8139	68.9 North	1.72%	Fig Tree	Mar 22	N	
154	161	187	338103.8	6244910.3	96.9	317.8	72.5	24.4	TREE	8157	12.3 South	1.64%	Norfolk Pine Tree	Mar 22	N	
		189	338046.5	6244982.9	91.0	298.6	72.1	18.9	BLDG	8123	73.8 North	1.54%	Chimney	Dec 21	N	
		191	336623.5	6244757.9	62.6	205.4	54.9	7.7	SPIRE	6696	270.2 North	1.39%	Sewer Vent	Dec 21	N	
		193	336708.5	6244898.9	70.1	230.0	56.4	13.7	ANTEN	6818	380.5 North	1.53%	Antenna	Dec 21	N	
		194	333240.3	6243366.1	16.4	54.0	11.2	5.2	SPIRE	3055	83.3 South	2.40%	Flood Light	Dec 21	N	
		198	333254.6	6243386.4	15.3	50.0	11.5	3.8	SPIRE	3075	68.0 South	2.03%	Flood Light	Dec 21	N	
		200	333269.5	6243398.8	16.8	55.2	11.7	5.1	SPIRE	3092	60.4 South	2.29%	Flood Light	Nov 21	N	
		203	332922.2	6243445.3	9.0	29.7	7.9	1.2	SPIRE	2774	84.6 North	1.97%	Light Pole	Nov 21	Y	
107	109	204	333579.2	6243743.4	26.7	87.6	16.4	10.3	TREE	3489	179.8 North	2.38%	Tree	Dec 21	N	
		205	332927.5	6243430.9	9.1	29.9	7.9	1.2	SPIRE	2774	69.3 North	2.00%	Light Pole	Nov 21	Y	
106	107	206	333577.9	6243733.7	25.6	84.0	16.4	9.2	TREE	3485	171.0 North	2.27%	Tree	Dec 21	N	
		207	332933.0	6243412.4	9.1	30.0	7.9	1.3	SPIRE	2774	50.0 North	2.02%	Light Pole	Nov 21	Y	
		209	332936.6	6243393.3	9.2	30.2	7.8	1.4	SPIRE	2772	30.6 North	2.09%	Light Pole	Nov 21	Y	
		210	334417.3	6243926.3	36.3	119.2	26.7	9.6	TREE	4344	112.4 North	1.76%	Tree	Dec 21	N	
		211	332939.8	6243376.8	9.1	29.8	7.8	1.3	SPIRE	2771	14.0 North	2.05%	Light Pole	Nov 21	Y	
		214	336625.5	6244725.2	61.1	200.5	54.8	6.3	ANTEN	6689	238.3 North	1.35%	Antenna on Roof of units	Dec 21	N	
		216	336491.3	6244703.6	56.2	184.4	53.2	3.0	SPIRE	6554	256.4 North	1.28%	NE Cnr Air Cond Vent	Dec 21	N	
		218	336459.0	6244665.0	57.2	187.7	52.7	4.5	SPIRE	6512	228.8 North	1.32%	Flag Pole	Dec 21	N	
		220	336232.9	6244871.3	59.7	195.9	50.8	8.9	SPIRE	6355	491.7 North	1.44%	Lightning Conductor on roof	Dec 21	N	
		226	338119.1	6244770.9	85.8	281.5	72.2	13.6	TREE	8132	150.1 South	1.45%	Palm Tree	Dec 21	N	
		228	338157.4	6244826.9	93.9	308.2	72.8	21.1	TREE	8185	107.6 South	1.58%	Tree	Dec 21	N	
		230	338134.9	6244824.4	93.0	305.1	72.5	20.5	TREE	8162	103.6 South	1.57%	Tree	Dec 21	N	
		234	338151.6	6244841.7	92.7	304.0	72.8	19.9	TREE	8183	91.8 South	1.56%	Tree	Dec 21	N	
	156	291	337942.0	6244798.9	88.7	291.0	70.2	18.5	ANTEN	7970	72.1 South	1.55%	Antenna on Flats	Dec 21	N	
		295	338143.5	6244836.5	91.4	299.8	72.7	18.7	BLDG	8174	94.4 South	1.54%	House Roof	Dec 21	N	
		297	338895.3	6244276.7	82.0	269.0	79.4	2.6	TREE	8732	847.8 South	1.24%	Gum Tree	Dec 21	N	
		299	338909.1	6244291.7	79.6	261.1	79.6	0.0	BLDG	8749	837.4 South	1.20%	Tile House Roof	Dec 21	N	
82	82	343	333366.4	6243412.7	25.8	84.5	12.8	12.9	TREE	3189	75.1 South	3.47%	Gum Tree	Dec 21	N	
		348	337567.1	6244849.7	74.0	242.8	66.1	7.9	TREE	7626	85.0 North	1.36%	Tree	Dec 21	N	
		349	333145.1	6243493.5	15.7	51.4	10.6	5.1	BLDG	3001	66.2 North	2.54%	G.I. Factory Roof	Nov 21	N	
148	154	352	337614.0	6245387.8	92.5	303.5	68.5	24.0	TREE	7827	586.5 North	1.66%	Pine Tree	Nov 21	N	
		353	338864.8	6244449.4	84.3	276.6	79.6	4.7	TREE	8752	673.7 South	1.28%	Norfolk Pine Tree	Dec 21	N	
		357	333943.8	6243613.3	25.0	82.1	20.2	4.8	TREE	3800	50.1 South	1.61%	Group of Shrubs	Dec 21	N	
149	155	358	337689.4	6245406.7	96.4	316.3	69.4	27.0	TREE	7904	582.8 North	1.71%	Tree	Nov 21	N	
		359	333842.3	6243603.9	24.5	80.5	19.0	5.6	TREE	3700	29.8 South	1.71%	Pine Tree	Dec 21	N	

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					MGA94										
					metres	(feet)	metres	metres		metres	%				
		366	337172.3	6245178.6	75.5	247.8	62.7	12.8	TREE	7343	514.1 North	1.47%	Pine Tree	Dec 21	N
		368	334441.7	6243988.6	28.0	92.0	27.2	0.8	SPIRE	4385	165.0 North	1.25%	Elec Pole	Dec 21	N
		370	334458.0	6243958.4	28.0	91.8	27.3	0.7	BLDG	4392	131.4 North	1.24%	Apex of house roof	Dec 21	N
		372	334434.1	6243959.5	27.1	88.8	27.0	0.0	SPIRE	4369	139.3 North	1.20%	Elec Pole	Dec 21	N
		373	333951.8	6243615.1	21.5	70.4	20.3	1.2	TERRN	3808	50.8 South	1.30%	Natural surface	Dec 21	N
110	112	380	333687.3	6243524.0	33.7	110.5	16.9	16.8	TREE	3529	61.5 South	3.05%	Sheoak	Dec 21	N
114	117	382	333720.3	6243536.7	32.4	106.3	17.3	15.1	TREE	3564	58.9 South	2.79%	Sheoak	Dec 21	N
124	129	384	333791.3	6243519.5	27.3	89.4	18.1	9.2	TREE	3627	95.9 South	2.11%	Tree	Dec 21	N
		409	333917.8	6243633.6	24.5	80.5	19.9	4.6	TREE	3781	23.2 South	1.59%	Banksia	Dec 21	N
		413	333899.6	6243625.4	21.2	69.4	19.7	1.5	TREE	3761	25.8 South	1.33%	Tree and Banksias (2)	Dec 21	N
		455	333941.1	6243586.7	23.0	75.5	20.0	3.0	LINES	3790	74.8 South	1.45%	Fence	Dec 21	N
		457	333938.1	6243587.1	22.3	73.1	20.0	2.3	LINES	3787	73.6 South	1.39%	Fence	Dec 21	N
		459	333923.2	6243588.8	21.5	70.6	19.9	1.7	LINES	3773	67.7 South	1.34%	Fence	Dec 21	N
119	123	465	333721.4	6243659.1	31.2	102.4	17.8	13.4	TREE	3600	58.0 North	2.57%	Stringy Bark	Dec 21	N
120	124	467	333732.0	6243650.7	26.9	88.2	17.9	9.0	TREE	3608	46.9 North	2.11%	Stringy Bark	Dec 21	N
123	128	469	333748.1	6243644.1	29.5	96.8	18.0	11.5	TREE	3622	35.9 North	2.35%	Stringy Bark	Dec 21	N
2	3	470	332865.6	6243425.9	7.6	25.0	7.1	0.5	BLDG	2714	82.4 North	1.73%	Eastern Lighting Equipment Rood (ELER)	Nov 21	Y
126	131	471	333753.5	6243650.6	29.2	95.8	18.1	11.1	TREE	3629	40.6 North	2.30%	Stringy Bark	Dec 21	N
122	127	493	333722.7	6243725.8	39.8	130.6	18.0	21.8	TREE	3621	121.5 North	3.38%	Gum Tree Group	Mar 22	N
		521	333827.4	6243769.3	24.3	79.6	19.4	4.9	TREE	3734	132.8 North	1.64%	Pine Tree	Dec 21	N
		523	333841.6	6243763.5	27.1	88.9	19.5	7.6	TREE	3746	123.2 North	1.87%	Gum and Pines	Dec 21	N
133	138	535	333868.8	6243771.2	30.3	99.5	19.9	10.5	TREE	3774	122.7 North	2.11%	Gum and Pines	Dec 21	N
		549	333928.3	6243777.2	28.0	91.9	20.6	7.4	TREE	3833	111.2 North	1.81%	Gum Tree	Dec 21	N
		555	333941.0	6243789.2	25.7	84.3	20.8	4.9	TREE	3848	119.0 North	1.60%	Gum	Dec 21	N
137	143	563	333962.7	6243785.5	34.2	112.1	21.0	13.2	TREE	3868	109.2 North	2.26%	Gum Tree	Dec 21	N
		585	334147.1	6243838.3	28.0	91.9	23.3	4.7	TREE	4060	106.4 North	1.53%	Pines	Dec 21	N
		595	334122.8	6243813.7	29.1	95.4	22.9	6.1	TREE	4029	89.8 North	1.64%	Pines and Gums	Dec 21	N
		615	334296.4	6243858.9	29.5	96.8	25.1	4.4	TREE	4209	82.9 North	1.48%	Pine Trees	Dec 21	N
		617	334322.5	6243865.1	32.4	106.2	25.4	7.0	TREE	4235	81.3 North	1.63%	Pine Trees	Dec 21	N
		623	334351.1	6243877.2	30.9	101.2	25.8	5.1	TREE	4266	84.6 North	1.51%	Pine Trees	Dec 21	N
		669	337457.9	6244933.6	75.0	246.1	65.1	9.9	ANTEN	7546	196.9 North	1.40%	TV Antenna	Dec 21	N
		671	338445.2	6244258.7	75.4	247.4	74.1	1.3	TREE	8296	734.8 South	1.22%	M.B. Fig Tree	Dec 21	N
		680	338203.4	6244757.3	96.0	315.0	73.1	22.9	TREE	8208	187.6 South	1.61%	Gum	Nov 21	N
		725	332927.7	6243371.7	7.9	25.9	7.7	0.2	MOVG	2757	12.5 North	1.37%	Perimeter Road Crown (plus 3.6m)	Dec 21	Y
3		731	332924.6	6243250.7	8.4	27.7	7.2	1.2	MOVG	2719	102.4 South	2.44%	Perimeter Road Crown (plus 3.6m)	Dec 21	Y
89	90	780	333362.4	6243654.2	26.8	87.9	13.6	13.1	TREE	3255	157.2 North	3.27%	Gum Tree	Dec 21	N
		782	333229.1	6243389.2	15.9	52.1	11.2	4.7	SPIRE	3051	57.9 South	2.29%	Vent Pipe	Dec 21	N
75	75	812	333323.2	6243357.7	23.9	78.3	12.2	11.7	TREE	3132	115.3 South	3.49%	Row of Sheoaks	Dec 21	N
		813	332916.5	6243469.3	8.2	27.1	7.9	0.4	MOVG	2775	109.2 North	1.44%	Road Crown (plus 4.3m)	Dec 21	Y
		821	332944.3	6243355.6	8.4	27.4	7.8	0.6	MOVG	2769	7.7 South	1.58%	Road Crown (plus 4.3m)	Dec 21	Y
77	77	824	333328.8	6243360.5	24.1	79.2	12.2	11.9	TREE	3138	114.2 South	3.50%	Row of Sheoaks	Dec 21	N
78	78	826	333340.4	6243363.8	23.2	76.2	12.4	10.9	TREE	3150	114.4 South	3.25%	Row of Sheoaks	Dec 21	N
	6	827	332942.9	6243253.9	8.3	27.2	7.4	0.9	MOVG	2738	104.7 South	1.94%	Road Crown (plus 4.3m)	Dec 21	Y
80	80	828	333360.1	6243379.3	24.3	79.7	12.7	11.6	TREE	3174	105.3 South	3.30%	Gum Tree	Dec 21	N
83	83	830	333379.3	6243389.9	29.6	97.2	12.9	16.7	TREE	3195	100.7 South	4.11%	Gum Tree	Mar 22	N
86	87	834	333405.5	6243408.6	28.9	94.8	13.3	15.6	TREE	3225	90.4 South	3.78%	Gum Tree	Mar 22	N

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					MGA94		metres	metres		metres	metres	metres				metres	%
					metres	(feet)											
87	88	836	333410.5	6243414.2	29.8	97.8	13.4	16.5	TREE	3232	86.5 South	3.89%	Gum Tree	Mar 22	N		
85	86	838	333397.2	6243410.3	25.7	84.3	13.2	12.5	TREE	3218	86.4 South	3.29%	Gum Tree	Dec 21	N		
19	33	841	332953.7	6243485.9	10.5	34.5	8.4	2.2	MOVG	2815	114.3 North	2.31%	Road (West Edge) (plus 4.6m)	Dec 21	N		
88	89	842	333423.8	6243433.3	31.6	103.8	13.6	18.1	TREE	3250	72.0 South	4.06%	Gum Tree	Mar 22	N		
111	114	844	333652.6	6243686.8	26.5	87.0	17.1	9.4	TREE	3543	104.4 North	2.22%	Gum Tree	Dec 21	N		
116	120	846	333675.4	6243701.2	30.5	100.1	17.4	13.1	TREE	3569	111.6 North	2.58%	Gum Tree	Dec 21	N		
12	22	849	332973.5	6243372.7	11.1	36.3	8.2	2.9	MOVG	2802	0.2 North	2.78%	Road (West Edge) (plus 4.6m)	Dec 21	N		
118	122	854	333701.5	6243703.3	39.0	128.0	17.7	21.3	TREE	3594	106.1 North	3.39%	Gum Tree	Mar 22	N		
6	9	855	332969.7	6243258.4	10.7	35.0	7.8	2.9	MOVG	2765	108.1 South	3.22%	Road (West Edge) (plus 4.6m)	Dec 21	N		
65	63	867	333208.2	6243539.5	17.6	57.8	11.5	6.1	BLDG	3074	92.0 North	2.55%	SW cnr Conc Building	Nov 21	N		
		869	333222.8	6243537.3	17.6	57.8	11.6	6.0	BLDG	3088	85.7 North	2.48%	SE cnr Conc Building	Nov 21	N		
		871	333231.3	6243593.3	17.6	57.7	11.9	5.7	BLDG	3112	136.8 North	2.35%	NE cnr Conc Building	Dec 21	N		
		873	333272.5	6243575.6	17.5	57.4	12.3	5.2	BLDG	3146	107.9 North	2.18%	Blue Conc Sail	Nov 21	N		
		875	333257.3	6243531.6	16.5	54.0	12.0	4.4	BLDG	3119	70.2 North	2.09%	Green Conc Sail	Nov 21	N		
	68	884	333285.2	6243392.8	19.2	62.9	11.8	7.3	TREE	3106	70.8 South	2.71%	Gum Tree	Dec 21	N		
		983	333129.3	6243361.2	14.0	46.0	9.9	4.1	SPIRE	2947	55.8 South	2.44%	Light pole	Nov 21	N		
	69	1162	333258.9	6243506.1	19.1	62.6	11.9	7.2	TREE	3113	45.4 North	2.65%	Gum Tree	Dec 21	N		
		1257	332899.1	6243413.8	7.5	24.6	7.5	0.0	SPIRE	2742	61.1 North	1.21%	Localizer shed	Nov 21	Y		
1	2	1258	332806.3	6243321.8	7.5	24.6	6.1	1.4	SPIRE	2627	0.1 South	21.49%	RWY07 Localiser Monitoring point	Mar 22	Y		
125	130	1263	333758.1	6243632.4	31.4	102.9	18.1	13.3	TREE	3628	21.8 North	2.52%	Tree	Dec 21	N		
		1264	333613.3	6243703.1	24.7	81.1	16.7	8.0	TREE	3510	131.4 North	2.10%	Tree	Dec 21	N		
135	140	1270	333934.5	6243601.9	33.5	109.9	20.0	13.5	TREE	3788	58.4 South	2.35%	Tree	Nov 21	N		
		1271	333933.6	6243590.7	27.6	90.6	20.0	7.6	TREE	3784	68.8 South	1.86%	Tree	Dec 21	N		
		1272	333940.8	6243587.3	23.9	78.5	20.0	3.9	SPIRE	3790	74.2 South	1.53%	Fence	Dec 21	N		
5	8	1725	332899.8	6243411.4	9.4	30.8	7.5	1.9	ANTEN	2742	58.6 North	2.77%	Aerial	Nov 21	Y		
98	99	1738	333523.1	6243452.1	30.4	99.7	14.8	15.6	TREE	3351	82.8 South	3.34%	Tree	Dec 21	N		
90	91	1739	333464.3	6243367.4	27.2	89.2	13.8	13.4	TREE	3270	146.9 South	3.26%	Tree	Dec 21	N		
		1776	332901.7	6243411.5	9.4	30.8	7.5	1.9	ANTEN	2744	58.2 North	2.73%	Aerial	Nov 21	Y		
		1777	332873.9	6243422.6	7.4	24.4	7.2	0.2	SPIRE	2721	76.8 North	1.42%	Vent	Nov 21	Y		
		1801	336772.0	6244826.0	72.0	236.2	56.9	15.1	SPIRE	6858	292.4 North	1.56%	Antenna	Dec 21	N		
94	95	1803	333488.1	6243384.2	25.2	82.6	14.1	11.0	TREE	3298	137.7 South	2.83%	Tree	Dec 21	N		
150	157	2312	337870.1	6245077.7	93.4	306.5	70.4	23.1	SPIRE	7982	215.5 North	1.63%	Mobile Phone Tower	Mar 22	N		
136	141	2322	333903.8	6243703.9	35.3	115.9	20.0	15.3	TREE	3788	48.1 North	2.51%	Tree	Dec 21	N		
		2324	334699.5	6243956.4	38.8	127.3	30.0	8.8	TREE	4623	59.6 North	1.64%	Norfolk Pine Tree	Dec 21	N		
84	85	2890	333390.0	6243391.0	29.9	98.0	13.0	16.8	TREE	3206	102.7 South	4.08%	Tree	Mar 22	N		
		2892	334413.0	6243937.3	38.2	125.4	26.7	11.5	TREE	4343	124.2 North	1.87%	Pine Tree	Dec 21	N		
		2893	334348.1	6243937.2	30.8	101.2	25.9	4.9	TREE	4281	142.9 North	1.49%	Tree	Dec 21	N		
		2894	334500.8	6243922.2	39.4	129.2	27.6	11.7	TREE	4422	84.3 North	1.85%	Pine Tree	Dec 21	N		
		2895	334463.5	6243970.6	35.2	115.6	27.4	7.8	TREE	4401	141.5 North	1.64%	Tree	Dec 21	N		
93	94	2941	333470.5	6243441.9	30.7	100.6	14.1	16.5	TREE	3297	77.3 South	3.64%	Tree	Mar 22	N		
53	48	2955	333197.9	6243297.8	18.8	61.5	10.5	8.2	TREE	2995	136.4 South	3.40%	Tree	Nov 21	N		
73	73	3112	333245.7	6243592.8	23.1	75.7	12.1	11.0	TREE	3126	132.1 North	3.37%	Tree	Dec 21	N		
92	93	3114	333406.5	6243648.4	26.4	86.7	14.1	12.3	TREE	3296	138.9 North	3.02%	Norfolk Pine Tree	Dec 21	N		
102	103	3115	333549.1	6243567.8	28.0	91.7	15.5	12.5	TREE	3409	20.5 North	2.78%	Tree	Dec 21	N		
76	76	3185	333282.4	6243513.8	22.9	75.1	12.2	10.7	TREE	3138	45.9 North	3.26%	Tree	Dec 21	N		
		3309	338786.1	6244518.8	86.5	283.8	78.9	7.6	TREE	8697	584.4 South	1.32%	Pine Tree	Dec 21	N		

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					MGA94		metres	metres		metres	metres	metres				%
					metres	(feet)										
		3314	338805.6	6244531.3	86.0	282.2	79.2	6.8	TREE	8719	578.2 South	1.31%	Pine Tree	Dec 21	N	
		3315	332848.7	6243427.3	7.3	24.0	6.9	0.4	MOVG	2698	88.6 North	1.67%	Road surface (plus 3.6m)	Dec 21	Y	
46	36	3326	333162.0	6243301.1	20.8	68.2	10.1	10.7	TREE	2961	122.9 South	4.33%	Tree	Mar 22	N	
60	58	3332	333240.5	6243343.3	19.6	64.2	11.2	8.4	TREE	3049	105.2 South	3.16%	Tree	Dec 21	N	
63	61	3334	333193.8	6243580.9	19.9	65.3	11.4	8.4	TREE	3073	135.8 North	3.07%	Tree	Nov 21	N	
64	62	3335	333260.8	6243360.6	20.0	65.6	11.4	8.6	TREE	3073	94.5 South	3.09%	Tree	Nov 21	N	
72	72	3339	333259.6	6243541.9	21.6	71.0	12.1	9.6	TREE	3124	79.4 North	3.10%	Tree	Dec 21	N	
74	74	3340	333259.3	6243553.6	21.0	68.9	12.1	8.9	TREE	3127	90.7 North	2.95%	Tree	Dec 21	N	
		3341	333339.6	6243484.8	17.6	57.8	12.8	4.8	SPIRE	3184	1.6 North	2.05%	Power Pole	Dec 21	N	
		3342	333352.9	6243463.5	20.7	67.9	12.9	7.8	TREE	3191	22.6 South	2.57%	Tree	Dec 21	N	
		3343	333334.3	6243449.6	17.7	58.2	12.6	5.1	SPIRE	3169	30.6 South	2.13%	Power Pole	Nov 21	N	
		3344	333341.3	6243431.5	19.2	62.9	12.6	6.5	TREE	3171	49.9 South	2.39%	Palm Tree	Dec 21	N	
		3345	333383.8	6243497.2	19.6	64.2	13.3	6.2	TREE	3230	0.7 North	2.22%	Palm Tree	Dec 21	N	
		3347	333416.0	6243637.5	21.0	68.9	14.2	6.8	SPIRE	3302	125.6 North	2.20%	Aerial atop block of flats	Dec 21	N	
96	97	3348	333456.3	6243617.3	26.0	85.3	14.6	11.4	TREE	3334	94.7 North	2.80%	Tree	Dec 21	N	
131	136	3350	333866.4	6243628.3	28.6	93.9	19.3	9.3	TREE	3730	13.4 South	2.04%	Tree	Dec 21	N	
130	135	3351	333875.4	6243594.6	29.7	97.5	19.3	10.4	TREE	3729	48.3 South	2.14%	Tree	Dec 21	N	
44	16	3668	333116.0	6243415.7	16.8	55.0	10.0	6.8	MOVG	2950	0.1 North	3.25%	Port Botany Rail (plus 5.3m)	Dec 21	N	
45	24	3791	333128.7	6243402.4	16.7	54.7	10.1	6.6	MOVG	2959	16.2 South	3.15%	Port Botany Rail (plus 5.3m)	Dec 21	N	
		3866	336675.3	6244890.6	68.7	225.3	56.0	12.7	TREE	6784	382.2 North	1.50%	Tree	Dec 21	N	
		3868	336605.6	6244869.2	63.6	208.6	55.1	8.5	TREE	6711	381.8 North	1.41%	Tree	Dec 21	N	
		3870	336647.1	6244848.3	64.7	212.4	55.5	9.2	TREE	6745	349.9 North	1.42%	Tree	Dec 21	N	
		3872	336753.8	6244962.4	67.9	222.8	57.1	10.8	TREE	6880	428.2 North	1.45%	Tree	Dec 21	N	
52	47	3879	333167.1	6243370.4	16.6	54.5	10.4	6.2	MOVG	2986	57.9 South	2.89%	Port Botany Rail (plus 5.3m)	Dec 21	N	
57	54	3881	333210.5	6243345.9	16.7	54.8	10.8	5.9	MOVG	3021	94.0 South	2.67%	Port Botany Rail (plus 5.3m)	Dec 21	N	
		3883	333257.1	6243327.8	16.9	55.4	11.3	5.6	MOVG	3060	124.8 South	2.47%	Port Botany Rail (plus 5.3m)	Dec 21	N	
		3885	333300.3	6243315.4	17.0	55.7	11.7	5.2	MOVG	3098	149.2 South	2.30%	Port Botany Rail (plus 5.3m)	Dec 21	N	
		3936	336622.3	6245102.3	71.2	233.6	56.1	15.1	BLDG	6795	600.2 North	1.56%	Building	Dec 21	N	
		3938	336606.9	6245024.5	65.1	213.7	55.7	9.5	BLDG	6757	530.2 North	1.43%	Building	Dec 21	N	
		3939	332838.6	6243286.4	6.5	21.2	6.3	0.1	SPIRE	2647	43.3 South	1.66%	Frangible PVC marker	Nov 21	Y	
55	50	3969	333140.5	6243543.1	17.8	58.3	10.7	7.1	TREE	3011	115.0 North	3.01%	Tree	Nov 21	N	
42		3973	333059.5	6243532.8	15.2	49.7	9.7	5.4	MOVG	2930	128.6 North	2.95%	Port Botany Rail (plus 5.3m)	Dec 21	N	
109	111	3976	333658.1	6243496.7	32.4	106.3	16.5	15.9	TREE	3493	79.2 South	3.02%	Tree	Dec 21	N	
		4408	332884.3	6243409.0	7.3	24.1	7.3	0.0	BLDG	2727	60.8 North	1.25%	Comms Hut	Nov 21	Y	
48	43	4430	333119.3	6243505.1	18.1	59.4	10.3	7.8	TREE	2979	84.8 North	3.36%	Tree	Nov 21	N	
7	10	4468	332950.9	6243399.9	11.5	37.6	8.0	3.4	TREE	2788	32.8 North	3.24%	Shrub	Nov 21	Y	
51	46	4469	333118.1	6243521.1	17.5	57.6	10.4	7.2	TREE	2983	100.5 North	3.18%	Tree	Nov 21	N	
		4471	333128.0	6243380.3	14.6	47.9	10.0	4.6	SPIRE	2952	37.1 South	2.58%	Light pole	Nov 21	N	
		4474	333146.2	6243336.5	13.7	44.8	10.1	3.6	SPIRE	2956	84.4 South	2.27%	Light pole	Nov 21	N	
		4475	333243.5	6243412.1	16.9	55.5	11.4	5.5	BLDG	3071	40.1 South	2.42%	Vent on building	Nov 21	N	
		4476	333222.1	6243380.0	16.4	53.7	11.1	5.3	TREE	3042	64.7 South	2.45%	Palm Tree	Dec 21	N	
		4480	333224.2	6243377.7	15.9	52.3	11.1	4.9	TREE	3043	67.5 South	2.35%	Palm Tree	Nov 21	N	
117	121	4481	333708.5	6243596.2	26.9	88.3	17.4	9.5	TREE	3570	1.6 North	2.20%	Norfolk Pine Tree	Dec 21	N	
115	119	4482	333685.4	6243666.2	27.9	91.5	17.4	10.5	TREE	3568	75.2 North	2.31%	Tree	Dec 21	N	
127	132	4483	333802.0	6243565.8	28.7	94.0	18.4	10.3	TREE	3651	54.6 South	2.20%	Tree	Dec 21	N	
		4489	333188.9	6243396.9	16.1	52.7	10.8	5.3	TREE	3015	38.9 South	2.55%	Tree	Nov 21	N	

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					MGA94										
					metres	(feet)	metres	metres							
		4490	333229.4	6243607.2	17.0	55.7	11.9	5.0	BLDG	3114	150.7 North	2.22%	Air conditioning unit atop building	Dec 21	N
4	4	4606	332920.9	6243264.0	7.9	25.9	7.2	0.7	SPIRE	2720	88.6 South	1.89%	Sign	Nov 21	Y
		4607	332940.9	6243353.1	9.1	29.9	7.7	1.4	SPIRE	2765	9.1 South	2.15%	Light Pole	Nov 21	Y
		4608	332976.0	6243262.2	9.0	29.5	7.8	1.2	SPIRE	2772	106.3 South	1.97%	Light Pole	Nov 21	N
		4609	332959.1	6243262.2	8.5	28.0	7.6	0.9	SPIRE	2756	101.4 South	1.85%	Light Pole	Nov 21	Y
		4610	332956.1	6243316.5	9.3	30.5	7.8	1.5	SPIRE	2769	48.5 South	2.21%	Traffic sign	Nov 21	Y
		4611	332952.6	6243479.0	9.6	31.5	8.3	1.3	SPIRE	2812	108.1 North	1.87%	Light Pole	Nov 21	Y
13	15	4612	332975.9	6243372.2	9.7	31.7	8.2	1.5	SPIRE	2804	1.0 South	1.99%	Light Pole	Nov 21	N
		4613	332955.6	6243372.1	9.1	30.0	8.0	1.2	SPIRE	2784	4.9 North	1.90%	Light Pole	Nov 21	Y
		4615	332955.8	6243350.2	9.1	30.0	7.9	1.2	SPIRE	2778	16.2 South	1.97%	Light Pole	Nov 21	Y
		4616	332955.9	6243339.2	9.1	29.8	7.9	1.2	SPIRE	2775	26.7 South	1.97%	Light Pole	Nov 21	Y
		4617	332956.0	6243328.2	9.1	29.7	7.8	1.2	SPIRE	2772	37.3 South	2.01%	Light Pole	Nov 21	Y
		4618	332956.3	6243317.2	9.0	29.6	7.8	1.2	SPIRE	2769	47.9 South	2.02%	Light Pole	Nov 21	Y
		4619	332956.8	6243306.1	9.0	29.4	7.8	1.2	SPIRE	2766	58.7 South	2.02%	Light Pole	Nov 21	Y
		4620	332957.6	6243294.6	8.8	28.8	7.7	1.0	SPIRE	2764	69.9 South	1.92%	Light Pole	Nov 21	Y
		4621	332958.4	6243284.2	8.6	28.1	7.7	0.8	SPIRE	2762	80.1 South	1.79%	Light Pole	Nov 21	Y
		4622	332975.7	6243284.2	9.0	29.7	7.9	1.1	SPIRE	2778	85.1 South	1.92%	Light Pole	Nov 21	N
		4623	332958.9	6243273.4	8.5	27.9	7.7	0.8	SPIRE	2759	90.6 South	1.80%	Light Pole	Nov 21	Y
		4624	332975.7	6243273.2	9.1	29.7	7.9	1.2	SPIRE	2775	95.7 South	1.97%	Light Pole	Nov 21	N
		4625	332952.9	6243474.0	9.6	31.4	8.3	1.3	SPIRE	2811	103.2 North	1.86%	Pole	Nov 21	Y
		4626	332953.5	6243469.4	9.6	31.5	8.3	1.3	SPIRE	2810	98.6 North	1.89%	Light Pole	Nov 21	Y
		4627	332954.1	6243459.4	9.7	31.8	8.3	1.4	SPIRE	2808	88.8 North	1.95%	Light Pole	Nov 21	Y
15	14	4628	332954.5	6243448.8	9.7	31.8	8.2	1.4	SPIRE	2805	78.6 North	1.98%	Light Pole	Nov 21	Y
	21	4629	332955.0	6243437.0	9.5	31.1	8.2	1.3	SPIRE	2802	67.1 North	1.90%	Light Pole	Nov 21	Y
		4630	332955.3	6243436.3	9.4	30.9	8.2	1.2	SPIRE	2803	66.4 North	1.86%	Sign	Nov 21	Y
		4631	332953.8	6243427.3	9.2	30.2	8.2	1.1	SPIRE	2798	58.2 North	1.79%	Light Pole	Nov 21	Y
		4632	332954.1	6243416.1	9.3	30.5	8.1	1.2	SPIRE	2796	47.5 North	1.87%	Light Pole	Nov 21	Y
21	37	4633	332976.3	6243416.2	9.8	32.1	8.4	1.4	SPIRE	2817	41.1 North	1.91%	Light Pole	Nov 21	N
		4634	332954.1	6243394.1	9.1	29.7	8.0	1.0	SPIRE	2789	26.3 North	1.80%	Light Pole	Nov 21	Y
18	38	4635	332976.2	6243405.1	9.7	31.9	8.3	1.4	SPIRE	2814	30.5 North	1.92%	Light Pole	Nov 21	N
17	11	4636	332976.1	6243394.2	9.7	31.9	8.3	1.4	SPIRE	2810	20.0 North	1.94%	Light Pole	Nov 21	N
		4637	332955.5	6243383.2	9.1	30.0	8.0	1.1	SPIRE	2787	15.5 North	1.87%	Light Pole	Nov 21	Y
16	13	4638	332976.0	6243383.2	9.7	31.8	8.3	1.4	SPIRE	2807	9.5 North	1.97%	Light Pole	Nov 21	N
		4639	332955.3	6243377.3	9.2	30.2	8.0	1.2	SPIRE	2786	9.9 North	1.93%	Sign	Nov 21	Y
		4640	332955.7	6243361.2	9.1	29.9	7.9	1.2	SPIRE	2781	5.6 South	1.92%	Light Pole	Nov 21	Y
11	23	4641	332975.9	6243361.2	9.5	31.0	8.2	1.3	SPIRE	2801	11.5 South	1.90%	Light Pole	Nov 21	N
		4642	332975.9	6243350.3	9.4	30.9	8.1	1.3	SPIRE	2797	21.9 South	1.92%	Light Pole	Nov 21	N
20	30	4643	332994.7	6243350.5	9.7	31.9	8.4	1.4	SPIRE	2815	27.1 South	1.91%	Light Pole	Nov 21	N
		4644	332975.8	6243339.3	9.4	30.8	8.1	1.3	SPIRE	2794	32.4 South	1.94%	Light Pole	Nov 21	N
		4645	332994.8	6243339.5	9.6	31.6	8.3	1.3	SPIRE	2812	37.7 South	1.89%	Light Pole	Nov 21	N
		4646	332975.8	6243328.1	9.3	30.6	8.1	1.3	SPIRE	2791	43.1 South	1.95%	Light Pole	Nov 21	N
		4647	332975.7	6243317.2	9.4	30.7	8.0	1.3	SPIRE	2788	53.5 South	1.99%	Light Pole	Nov 21	N
		4648	332995.2	6243317.6	9.5	31.1	8.3	1.2	SPIRE	2806	58.7 South	1.85%	Light Pole	Nov 21	N
		4649	332975.7	6243306.3	9.1	29.9	8.0	1.1	SPIRE	2784	64.0 South	1.89%	Light Pole	Nov 21	N
		4650	332995.3	6243306.3	9.5	31.0	8.2	1.2	SPIRE	2803	69.6 South	1.88%	Light Pole	Nov 21	N
		4651	332975.7	6243295.2	9.1	29.9	7.9	1.2	SPIRE	2781	74.6 South	1.92%	Light Pole	Nov 21	N

Chart No. (2021)	Chart No. (2020)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	Date Last Visited	On Airport
					MGA94										
					metres	(feet)	metres	metres		metres	%				
	26	4652	332995.5	6243295.5	9.5	31.0	8.2	1.3	SPIRE	2800	80.0 South	1.91%	Light Pole	Nov 21	N
10	17	4653	332995.6	6243284.5	9.5	31.0	8.1	1.3	SPIRE	2797	90.5 South	1.94%	Light Pole	Nov 21	N
8	18	4654	332996.0	6243273.5	9.4	30.9	8.1	1.3	SPIRE	2794	101.2 South	1.96%	Light Pole	Nov 21	N
		4655	332992.9	6243485.0	10.6	34.7	8.8	1.8	SPIRE	2853	102.1 North	1.96%	Sign	Nov 21	Y
		4656	332993.5	6243473.1	10.4	34.3	8.8	1.7	SPIRE	2850	90.6 North	1.93%	Sign	Nov 21	Y
	12	4657	332986.9	6243468.0	10.5	34.4	8.7	1.8	SPIRE	2842	87.6 North	2.01%	Sign	Nov 21	N
28	39	4658	332975.1	6243458.4	10.1	33.3	8.5	1.6	SPIRE	2828	81.8 North	1.99%	Sign	Nov 21	N
		4660	332975.0	6243457.3	10.0	32.7	8.5	1.5	SPIRE	2827	80.8 North	1.91%	Light Pole	Nov 21	N
		4661	332975.5	6243448.3	10.0	32.8	8.5	1.5	SPIRE	2825	72.0 North	1.95%	Light Pole	Nov 21	N
25	29	4662	332976.0	6243438.4	10.0	32.8	8.4	1.6	SPIRE	2823	62.4 North	1.97%	Light Pole	Nov 21	N
34	118	4664	332991.8	6243438.7	10.3	33.7	8.6	1.7	SPIRE	2838	58.2 North	1.96%	Light Pole	Nov 21	N
23	35	4666	332976.3	6243427.2	9.8	32.1	8.4	1.4	SPIRE	2820	51.6 North	1.89%	Light Pole	Nov 21	N
32	52	4668	332991.9	6243427.5	10.3	33.7	8.6	1.7	SPIRE	2835	47.3 North	1.97%	Light Pole	Nov 21	N
31	53	4670	332992.0	6243416.6	10.2	33.4	8.6	1.6	SPIRE	2832	36.9 North	1.97%	Light Pole	Nov 21	N
		4672	332993.7	6243383.5	9.9	32.5	8.5	1.5	SPIRE	2824	4.7 North	1.91%	Light Pole	Nov 21	N
24	34	4674	332994.1	6243370.8	9.8	32.2	8.4	1.4	SPIRE	2821	7.5 South	1.89%	Light Pole	Nov 21	N
22	28	4676	332994.3	6243361.4	9.8	32.1	8.4	1.4	SPIRE	2818	16.6 South	1.90%	Light Pole	Nov 21	N
		4678	332994.9	6243328.6	9.6	31.4	8.3	1.3	SPIRE	2809	48.2 South	1.87%	Light Pole	Nov 21	N
36	19	4679	333045.0	6243370.3	13.5	44.3	9.0	4.5	TREE	2869	22.7 South	3.00%	Tree	Nov 21	Y
	113	4681	333055.8	6243510.8	11.9	39.1	9.6	2.3	BLDG	2920	108.6 North	1.96%	Railway Bridge	Nov 21	N
		4684	332992.8	6243405.5	10.1	33.2	8.5	1.6	SPIRE	2830	26.1 North	1.96%	Light Pole	Nov 21	N
27	32	4686	332993.0	6243394.5	10.0	32.9	8.5	1.5	SPIRE	2827	15.5 North	1.95%	Light Pole	Nov 21	N
33	57	4751	333011.2	6243372.2	11.8	38.8	8.6	3.2	TREE	2838	11.2 South	2.67%	Tree	Nov 21	Y
		4753	333112.2	6243466.6	15.2	49.9	10.1	5.1	SPIRE	2961	50.0 North	2.69%	Light Pole	Nov 21	N
		4755	333185.5	6243367.0	16.3	53.4	10.6	5.7	TREE	3003	66.5 South	2.68%	Tree	Nov 21	N
61	59	4762	333194.9	6243570.2	19.4	63.5	11.4	7.9	TREE	3071	125.2 North	2.96%	Tree	Nov 21	N
62	60	4763	333199.1	6243560.4	19.5	63.9	11.4	8.0	TREE	3072	114.7 North	2.98%	Tree	Nov 21	N
		4829	334280.9	6243484.6	31.4	103.1	23.6	7.8	TREE	4085	270.9 South	1.73%	Tree	Dec 21	N
		4830	337129.8	6245229.9	76.9	252.3	62.4	14.5	BLDG	7317	575.4 North	1.51%	Vent atop building	Dec 21	N
151	158	4831	337974.6	6244974.4	96.6	316.9	71.2	25.4	TREE	8052	86.4 North	1.67%	Norfolk Pine Tree	Mar 22	N
		5282	336591.6	6245077.2	69.4	227.7	55.7	13.7	BLDG	6758	585.0 North	1.53%	Building	Dec 21	N
		5283	336552.9	6245059.1	67.1	220.1	55.2	11.9	BLDG	6716	578.9 North	1.49%	Building	Dec 21	N
		5284	336543.9	6245035.2	61.1	200.4	55.0	6.1	BLDG	6700	558.6 North	1.35%	Building	Dec 21	N
		5285	336557.8	6245011.0	61.7	202.3	55.1	6.6	BLDG	6707	531.4 North	1.36%	Building	Dec 21	N
		5286	336579.7	6244989.4	61.6	202.1	55.2	6.4	BLDG	6721	504.4 North	1.36%	Building	Dec 21	N
		5287	336575.5	6244859.0	58.2	191.0	54.7	3.5	BLDG	6680	380.8 North	1.29%	Building	Dec 21	N
		5288	336498.4	6244836.0	55.8	183.2	53.8	2.1	BLDG	6599	381.1 North	1.25%	Building	Dec 21	N
		5349	336673.4	6244955.8	65.0	213.2	56.2	8.8	TREE	6801	445.1 North	1.41%	Tree	Dec 21	N
		5350	336688.0	6244932.8	67.5	221.4	56.3	11.2	TREE	6809	418.9 North	1.47%	Tree	Dec 21	N
		5351	336680.8	6244926.9	67.7	222.2	56.2	11.5	TREE	6800	415.3 North	1.48%	Tree	Dec 21	N
		5352	336677.4	6244917.9	66.2	217.1	56.1	10.1	TREE	6794	407.6 North	1.44%	Tree	Dec 21	N
		5353	336624.1	6244847.7	59.0	193.6	55.2	3.7	TREE	6723	356.0 North	1.29%	Tree	Dec 21	N
		5354	336528.4	6244804.4	60.0	196.9	54.0	6.0	TREE	6619	342.1 North	1.35%	Tree	Dec 21	N
		5355	336618.9	6244743.6	62.3	204.4	54.8	7.5	TREE	6688	257.8 North	1.38%	Tree	Dec 21	N
68	66	5442	333283.2	6243341.5	24.3	79.8	11.6	12.7	TREE	3089	119.2 South	3.90%	Tree	Mar 22	N
71	71	5443	333311.1	6243353.1	24.6	80.6	12.0	12.6	TREE	3119	116.2 South	3.72%	Tree	Mar 22	N

2021 RWY 07 Type A
All Obstacles Penetrating the 1.2% Type A Surface

Chart No. (2021)	Chart No. (2020)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	Date Last Visited	On Airport	
					MGA94		metres	metres		metres	metres	metres				%
					metres	(feet)										
35	31	5448	332981.9	6243498.5	11.0	36.1	8.7	2.3	SPIRE	2846	118.3 North	2.21%	Traffic lights	Nov 21	N	
50	45	5452	333147.4	6243423.1	16.1	52.9	10.4	5.8	TREE	2983	1.8 South	2.79%	Tree	Feb 22	N	
49	44	5453	333149.0	6243413.6	16.4	53.8	10.3	6.0	TREE	2981	11.3 South	2.87%	Tree	Feb 22	N	
		5454	333131.8	6243465.4	16.0	52.4	10.3	5.6	TREE	2980	43.2 North	2.76%	Tree	Nov 21	N	
		5455	333153.1	6243407.6	15.5	51.0	10.4	5.2	TREE	2984	18.3 South	2.62%	Tree	Nov 21	N	
		5456	333163.6	6243398.4	16.0	52.5	10.5	5.5	TREE	2991	30.2 South	2.69%	Tree	Nov 21	N	
54	49	5457	333187.8	6243380.6	17.7	58.1	10.7	7.0	TREE	3009	54.1 South	3.00%	Tree	Nov 21	N	
		5459	333317.1	6243441.0	18.5	60.8	12.4	6.2	TREE	3150	33.8 South	2.36%	Tree	Dec 21	N	
113	116	5460	333688.2	6243612.2	25.6	84.0	17.2	8.4	TREE	3555	22.7 North	2.09%	Pine Tree	Dec 21	N	
9	20	5497	332999.0	6243263.5	9.9	32.5	8.1	1.8	TREE	2794	111.7 South	2.23%	Tree	Nov 21	N	
26	27	5499	332994.5	6243386.6	13.1	43.1	8.5	4.6	TREE	2826	7.5 North	3.46%	Tree	Nov 21	N	
14	25	5845	333001.3	6243293.7	10.2	33.5	8.2	2.0	TREE	2805	83.5 South	2.27%	Tree	Nov 21	Y	
		5896	332996.4	6243462.3	10.5	34.3	8.8	1.7	SPIRE	2849	79.4 North	1.94%	Traffic lights	Nov 21	Y	
40	41	5897	333058.0	6243455.4	13.3	43.8	9.4	3.9	TREE	2906	54.9 North	2.56%	Tree	Nov 21	Y	
41	42	5898	333081.0	6243387.3	13.8	45.2	9.5	4.3	TREE	2909	16.9 South	2.69%	Tree	Nov 21	Y	
		5899	333102.6	6243375.4	12.7	41.7	9.7	3.0	TREE	2926	34.6 South	2.19%	Tree	Nov 21	Y	
		5904	333265.5	6243582.7	19.6	64.3	12.3	7.3	TREE	3142	116.8 North	2.60%	Tree	Dec 21	N	
		5905	333411.6	6243492.8	19.5	64.1	13.6	5.9	TREE	3256	11.5 South	2.13%	Gum Tree	Dec 21	N	
108	110	5906	333653.3	6243511.3	34.0	111.4	16.5	17.5	TREE	3492	63.8 South	3.20%	Gum Tree	Mar 22	N	
121	125	5907	333754.5	6243589.4	26.6	87.3	17.9	8.7	TREE	3612	18.3 South	2.08%	Gum Tree	Dec 21	N	
141	147	5908	334016.0	6243740.8	32.8	107.7	21.4	11.4	TREE	3906	50.9 North	2.09%	Gum Tree	Dec 21	N	
		5943	336111.0	6244767.0	63.0	206.7	49.1	13.9	SPIRE	6208	427.1 North	1.59%	Tower Crane		N	
30		5956	333034.0	6243270.9	11.6	37.9	8.5	3.0	TREE	2830	114.7 South	2.64%	Shrub	Nov 21	N	
37		5957	333059.9	6243333.6	12.2	39.9	9.0	3.1	TREE	2873	62.2 South	2.43%	Shrub	Nov 21	Y	
29		5958	332995.1	6243397.1	13.1	43.0	8.5	4.6	TREE	2829	17.3 North	3.39%	Shrub	Nov 21	Y	
39		5959	333105.9	6243290.1	13.0	42.8	9.4	3.6	TREE	2904	117.2 South	2.47%	Shrub	Nov 21	N	
		5960	333110.0	6243436.7	13.7	44.9	10.0	3.7	TREE	2951	22.0 North	2.32%	Shrub	Nov 21	N	
		5961	333147.8	6243374.9	13.6	44.7	10.2	3.4	SPIRE	2969	48.1 South	2.18%	Power pole	Nov 21	N	
		5962	333119.4	6243541.5	14.1	46.2	10.5	3.6	BLDG	2990	119.6 North	2.18%	Building	Nov 21	N	
		5963	333123.6	6243517.2	13.6	44.8	10.4	3.2	SPIRE	2987	95.1 North	2.08%	Light Pole	Nov 21	N	
38		5984	333057.6	6243366.6	14.1	46.3	9.1	5.0	TREE	2880	29.9 South	3.11%	Tree	Feb 22	Y	
	1	8867	332807.7	6243293.6	6.1	20.1	6.0	0.1	SPIRE	2620	27.5 South	449.76%	Gable Marker	Nov 21	Y	
67	65	9429	333277.5	6243351.2	22.9	75.1	11.6	11.3	TREE	3086	108.3 South	3.62%	Tree	Dec 21	N	
69	67	9430	333286.8	6243348.3	23.7	77.8	11.7	12.0	TREE	3094	113.8 South	3.73%	Tree	Mar 22	N	
81	81	9431	333373.4	6243387.1	29.6	97.1	12.8	16.8	TREE	3189	101.7 South	4.15%	Tree	Mar 22	N	
		9433	333144.5	6243466.0	12.6	41.3	10.5	2.1	BLDG	2992	40.1 North	1.77%	Building	Nov 21	N	
		9498	334585.9	6243771.8	36.4	119.5	28.1	8.3	TREE	4461	84.2 South	1.65%	Norfolk Pine	Dec 21	N	
132	137	9499	333867.9	6243747.4	29.5	96.9	19.8	9.8	TREE	3766	100.1 North	2.05%	Gum	Dec 21	N	
134	139	9500	333910.2	6243639.0	30.0	98.5	19.9	10.2	TREE	3775	15.9 South	2.08%	TREE	Dec 21	N	
152	159	9502	338039.4	6245004.0	99.2	325.4	72.0	27.1	TREE	8123	96.0 North	1.69%	Gum Tree	Mar 22	N	
112	115	9504	333701.9	6243528.1	33.3	109.2	17.1	16.2	TREE	3544	61.8 South	2.95%	TREE	Dec 21	N	
139	145	9506	334026.7	6243625.9	30.9	101.3	21.2	9.7	TREE	3883	62.1 South	1.97%	GUM	Dec 21	N	
91	92	9510	333456.8	6243448.8	29.8	97.9	14.0	15.8	TREE	3286	66.8 South	3.58%	TREE	Mar 22	N	
99	100	9511	333470.9	6243639.8	27.9	91.6	14.8	13.1	TREE	3355	112.0 North	2.98%	TREE	Dec 21	N	
105	106	9512	333526.5	6243723.6	29.6	97.2	15.8	13.9	TREE	3432	176.1 North	2.91%	TREE	Dec 21	N	
100	101	9513	333539.2	6243462.5	29.6	97.1	15.0	14.6	TREE	3369	77.4 South	3.15%	Gum Tree	Dec 21	N	

2021 RWY 07 Type A
All Obstacles Penetrating the 1.2% Type A Surface

Chart No. (2021)	Chart No. (2020)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	Date Last Visited	On Airpor		
					MGA94		metres	metres		metres	metres	metres				metres	%
					metres	(feet)											
		9524	333541.5	6243585.5	22.3	73.0	15.5	6.8	TREE	3407	39.6 North	2.06%	TREE	Dec 21	N		
101	102	9525	333545.7	6243577.3	25.7	84.5	15.5	10.3	TREE	3409	30.6 North	2.50%	TREE	Dec 21	N		
103	104	9526	333554.0	6243559.5	23.6	77.6	15.5	8.1	TREE	3411	11.1 North	2.23%	TREE	Dec 21	N		
97	98	9527	333507.2	6243454.1	30.4	99.7	14.6	15.8	TREE	3336	76.2 South	3.40%	Gum Tree	Dec 21	N		
104	105	9528	333599.5	6243479.1	29.8	97.6	15.8	14.0	TREE	3432	79.0 South	2.93%	Gum Tree	Dec 21	N		
129	134	9531	333869.8	6243563.1	27.3	89.7	19.1	8.2	TREE	3715	76.8 South	1.95%	TREE	Dec 21	N		
		9546	333301.3	6243617.8	20.5	67.4	12.8	7.7	SPIRE	3186	140.1 North	2.57%	SEWERAGE VENT	Dec 21	N		
79	79	9547	333269.9	6243601.5	20.8	68.3	12.4	8.4	TREE	3152	133.5 North	2.79%	Gum Tree	Dec 21	N		
95	96	9549	333421.5	6243621.0	24.3	79.6	14.2	10.1	TREE	3302	108.3 North	2.68%	TREE	Dec 21	N		
47	40	9566	333148.3	6243352.1	16.8	55.0	10.1	6.6	TREE	2963	70.0 South	3.14%	TREE	Nov 21	N		
59	56	9570	333231.4	6243319.3	19.4	63.5	11.0	8.4	TREE	3033	125.5 South	3.23%	TREE	Dec 21	N		
56	51	9571	333212.3	6243305.3	18.8	61.6	10.7	8.1	TREE	3011	133.3 South	3.27%	TREE	Nov 21	N		
144	150	9576	334190.8	6243973.6	33.8	111.0	24.3	9.6	TREE	4141	223.2 North	1.83%	Norfolk Pine	Dec 21	N		
		9579	334308.1	6243995.3	31.0	101.8	25.7	5.4	TREE	4259	210.0 North	1.53%	Gum Tree	Dec 21	N		
		9584	334339.1	6243874.5	30.2	99.0	25.6	4.6	TREE	4254	85.5 North	1.48%	TREE	Dec 21	N		
		9585	334240.9	6243846.9	32.1	105.3	24.4	7.7	TREE	4152	87.5 North	1.70%	Gum	Dec 21	N		
143	149	9586	334032.5	6243724.7	32.1	105.2	21.6	10.5	TREE	3917	30.8 North	2.01%	TREE	Dec 21	N		
140	146	9587	334041.3	6243586.0	36.4	119.5	21.2	15.2	TREE	3885	104.5 South	2.40%	Gum	Dec 21	N		
138	144	9588	334049.4	6243519.0	32.2	105.6	21.1	11.1	TREE	3874	171.0 South	2.09%	TREE	Dec 21	N		
142	148	9589	334092.5	6243519.9	34.0	111.6	21.6	12.5	TREE	3915	182.6 South	2.16%	TREE	Dec 21	N		
		9590	334320.9	6243563.2	30.1	98.9	24.3	5.8	TREE	4146	207.3 South	1.58%	TREE	Dec 21	N		

* Obstacle penetrates by < 0.05m.

SYDNEY (KINGSFORD-SMITH) AIRPORT, AUSTRALIA
AERONAUTICAL INFORMATION PUBLICATION
AERODROME OBSTACLE CHART (DECEMBER 2021)
ICAO ANNEX 4 TYPE A (OPERATING LIMITATIONS)
(Runway 07 Takeoff)

(SIGNIFICANT OBSTACLES PENETRATING THE 1.2% SURFACE SHOWN ON TYPE A CHART)

The origin of the surface is located at the end of the clearway

The total length of the area is 10000 metres (5.4 NM)

The area is splayed at 12.5% (7° 08')

The surface has a gradient of 1.2%

Chainages commence from the start of the Take Off run available

Datum for bearings and co-ordinates is the Map Grid of Australia (MGA94)

Datum for heights (HT) is the Australian Height Datum (AHD)

NB: The published height relating to roads include a height between 2.5m and 4.6m for transient obstacles.

NB: The published height relating to railways include a 5.3m height for transient obstacles.

NB: Obstacle database used for reduction: Obst 220323.xlsm

Mid-point of origin		Runway Bearing	Height at Chainage 00	Runway Length	Chainage at Origin	Height at Origin
<u>Easting</u>	<u>Northing</u>					
(MGA94)		(Deg Min Sec)	(m) (ft)	(metres)	(metres)	(m) (ft)
332799.696	6243319.910	73° 10' 55"	4.896 (16.063)	2529.9	2619.9	6.012 (19.724)

EXPLANATION OF SPECIFIC TERMS

Chart No.	Chart Identification Number, shown on the respective Type A Chart for the current year, denoting only the Significant Obstacles. <u>Note:</u> 1. These numbers are regenerated with each survey and may vary from one year to the next. 2. The previous year's Chart No is also supplied for cross-referencing purposes.
Reference Number	Surveyor Identification Number - A unique sequential number allocated during surveys to identify an obstacle. This number does not change.
Type of Obstacle	ICAO Identification as displayed on Type A Chart and shown on that chart's legend.
Description	General description of the respective obstacle.

Chart No. (2021)	Chart No. (2020)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	Date Last Visited	On Airport	
					MGA94		metres	metres		metres	metres	metres				%
					metres	(feet)										
1	2	1258	332806.3	6243321.8	7.5	24.6	6.1	1.4	SPIRE	2627	3.9 North	21.49%	RWY07 Localiser Monitoring point	Mar 22	Y	
2	3	470	332865.6	6243425.9	7.6	25.0	7.1	0.5	BLDG	2714	0.4 South	1.73%	Eastern Lighting Equipment Road (ELER)	Nov 21	Y	
3		731	332924.6	6243250.7	8.4	27.7	7.2	1.2	MOVG	2719	23.9 North	2.44%	Perimeter Road Crown (plus 3.6m)	Dec 21	Y	
4	4	4606	332920.9	6243264.0	7.9	25.9	7.2	0.7	SPIRE	2720	56.3 North	1.89%	Sign	Nov 21	Y	
5	8	1725	332899.8	6243411.4	9.4	30.8	7.5	1.9	ANTEN	2742	93.8 North	2.77%	Aerial	Nov 21	Y	
6	9	855	332969.7	6243258.4	10.7	35.0	7.8	2.9	MOVG	2765	20.0 South	3.22%	Road (West Edge) (plus 4.6m)	Dec 21	N	
7	10	4468	332950.9	6243399.9	11.5	37.6	8.0	3.4	TREE	2788	28.1 South	3.24%	Shrub	Nov 21	Y	
8	18	4654	332996.0	6243273.5	9.4	30.9	8.1	1.3	SPIRE	2794	170.0 North	1.96%	Light Pole	Nov 21	N	
9	20	5497	332999.0	6243263.5	9.9	32.5	8.1	1.8	TREE	2794	37.3 South	2.23%	Tree	Nov 21	N	
10	17	4653	332995.6	6243284.5	9.5	31.0	8.1	1.3	SPIRE	2797	264.5 South	1.94%	Light Pole	Nov 21	N	
11	23	4641	332975.9	6243361.2	9.5	31.0	8.2	1.3	SPIRE	2801	109.6 North	1.90%	Light Pole	Nov 21	N	
12	22	849	332973.5	6243372.7	11.1	36.3	8.2	2.9	MOVG	2802	3.0 North	2.78%	Road (West Edge) (plus 4.6m)	Dec 21	N	
13	15	4612	332975.9	6243372.2	9.7	31.7	8.2	1.5	SPIRE	2804	109.2 North	1.99%	Light Pole	Nov 21	N	
14	25	5845	333001.3	6243293.7	10.2	33.5	8.2	2.0	TREE	2805	153.7 North	2.27%	Tree	Nov 21	Y	
15	14	4628	332954.5	6243448.8	9.7	31.8	8.2	1.4	SPIRE	2805	0.1 North	1.98%	Light Pole	Nov 21	Y	
16	13	4638	332976.0	6243383.2	9.7	31.8	8.3	1.4	SPIRE	2807	74.1 North	1.97%	Light Pole	Nov 21	N	
17	11	4636	332976.1	6243394.2	9.7	31.9	8.3	1.4	SPIRE	2810	27.0 South	1.94%	Light Pole	Nov 21	N	
18	38	4635	332976.2	6243405.1	9.7	31.9	8.3	1.4	SPIRE	2814	63.2 South	1.92%	Light Pole	Nov 21	N	
19	33	841	332953.7	6243485.9	10.5	34.5	8.4	2.2	MOVG	2815	439.4 North	2.31%	Road (West Edge) (plus 4.6m)	Dec 21	N	
20	30	4643	332994.7	6243350.5	9.7	31.9	8.4	1.4	SPIRE	2815	255.7 North	1.91%	Light Pole	Nov 21	N	
21	37	4633	332976.3	6243416.2	9.8	32.1	8.4	1.4	SPIRE	2817	636.6 South	1.91%	Light Pole	Nov 21	N	
22	28	4676	332994.3	6243361.4	9.8	32.1	8.4	1.4	SPIRE	2818	676.9 South	1.90%	Light Pole	Nov 21	N	
23	35	4666	332976.3	6243427.2	9.8	32.1	8.4	1.4	SPIRE	2820	853.8 South	1.89%	Light Pole	Nov 21	N	
24	34	4674	332994.1	6243370.8	9.8	32.2	8.4	1.4	SPIRE	2821	122.2 South	1.89%	Light Pole	Nov 21	N	
25	29	4662	332976.0	6243438.4	10.0	32.8	8.4	1.6	SPIRE	2823	38.7 South	1.97%	Light Pole	Nov 21	N	
26	27	5499	332994.5	6243386.6	13.1	43.1	8.5	4.6	TREE	2826	18.9 North	3.46%	Tree	Nov 21	N	
27	32	4686	332993.0	6243394.5	10.0	32.9	8.5	1.5	SPIRE	2827	67.8 South	1.95%	Light Pole	Nov 21	N	
28	39	4658	332975.1	6243458.4	10.1	33.3	8.5	1.6	SPIRE	2828	19.5 South	1.99%	Sign	Nov 21	N	
29		5958	332995.1	6243397.1	13.1	43.0	8.5	4.6	TREE	2829	95.5 South	3.39%	Shrub	Nov 21	Y	
30		5956	333034.0	6243270.9	11.6	37.9	8.5	3.0	TREE	2830	41.6 South	2.64%	Shrub	Nov 21	N	
31	53	4670	332992.0	6243416.6	10.2	33.4	8.6	1.6	SPIRE	2832	115.8 South	1.97%	Light Pole	Nov 21	N	
32	52	4668	332991.9	6243427.5	10.3	33.7	8.6	1.7	SPIRE	2835	88.9 South	1.97%	Light Pole	Nov 21	N	
33	57	4751	333011.2	6243372.2	11.8	38.8	8.6	3.2	TREE	2838	103.0 South	2.67%	Tree	Nov 21	Y	
34	118	4664	332991.8	6243438.7	10.3	33.7	8.6	1.7	SPIRE	2838	122.6 South	1.96%	Light Pole	Nov 21	N	
35	31	5448	332981.9	6243498.5	11.0	36.1	8.7	2.3	SPIRE	2846	136.6 South	2.21%	Traffic lights	Nov 21	N	
36	19	4679	333045.0	6243370.3	13.5	44.3	9.0	4.5	TREE	2869	135.0 South	3.00%	Tree	Nov 21	Y	
37		5957	333059.9	6243333.6	12.2	39.9	9.0	3.1	TREE	2873	117.5 South	2.43%	Shrub	Nov 21	Y	
38		5984	333057.6	6243366.6	14.1	46.3	9.1	5.0	TREE	2880	103.6 South	3.11%	Tree	Feb 22	Y	
39		5959	333105.9	6243290.1	13.0	42.8	9.4	3.6	TREE	2904	60.8 South	2.47%	Shrub	Nov 21	N	
40	41	5897	333058.0	6243455.4	13.3	43.8	9.4	3.9	TREE	2906	10.4 South	2.56%	Tree	Nov 21	Y	
41	42	5898	333081.0	6243387.3	13.8	45.2	9.5	4.3	TREE	2909	37.5 South	2.69%	Tree	Nov 21	Y	
42		3973	333059.5	6243532.8	15.2	49.7	9.7	5.4	MOVG	2930	35.1 South	2.95%	Port Botany Rail (plus 5.3m)	Dec 21	N	
43	84	115	333129.2	6243326.6	15.6	51.0	9.8	5.7	SPIRE	2937	66.8 South	3.01%	Light Pole	Nov 21	N	
44	16	3668	333116.0	6243415.7	16.8	55.0	10.0	6.8	MOVG	2950	90.8 South	3.25%	Port Botany Rail (plus 5.3m)	Dec 21	N	
45	24	3791	333128.7	6243402.4	16.7	54.7	10.1	6.6	MOVG	2959	112.5 South	3.15%	Port Botany Rail (plus 5.3m)	Dec 21	N	

Chart No. (2021)	Chart No. (2020)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	Date Last Visited	On Airport		
					MGA94		metres	metres		metres	metres	metres				metres	%
					metres	(feet)											
46	36	3326	333162.0	6243301.1	20.8	68.2	10.1	10.7	TREE	2961	126.8 South	4.33%	Tree	Mar 22	N		
47	40	9566	333148.3	6243352.1	16.8	55.0	10.1	6.6	TREE	2963	138.2 South	3.14%	TREE	Nov 21	N		
48	43	4430	333119.3	6243505.1	18.1	59.4	10.3	7.8	TREE	2979	116.9 South	3.36%	Tree	Nov 21	N		
49	44	5453	333149.0	6243413.6	16.4	53.8	10.3	6.0	TREE	2981	96.9 South	2.87%	Tree	Feb 22	N		
50	45	5452	333147.4	6243423.1	16.1	52.9	10.4	5.8	TREE	2983	592.1 North	2.79%	Tree	Feb 22	N		
51	46	4469	333118.1	6243521.1	17.5	57.6	10.4	7.2	TREE	2983	356.9 North	3.18%	Tree	Nov 21	N		
52	47	3879	333167.1	6243370.4	16.6	54.5	10.4	6.2	MOVG	2986	304.9 North	2.89%	Port Botany Rail (plus 5.3m)	Dec 21	N		
53	48	2955	333197.9	6243297.8	18.8	61.5	10.5	8.2	TREE	2995	440.1 North	3.40%	Tree	Nov 21	N		
54	49	5457	333187.8	6243380.6	17.7	58.1	10.7	7.0	TREE	3009	537.3 North	3.00%	Tree	Nov 21	N		
55	50	3969	333140.5	6243543.1	17.8	58.3	10.7	7.1	TREE	3011	107.3 North	3.01%	Tree	Nov 21	N		
56	51	9571	333212.3	6243305.3	18.8	61.6	10.7	8.1	TREE	3011	68.9 North	3.27%	TREE	Nov 21	N		
57	54	3881	333210.5	6243345.9	16.7	54.8	10.8	5.9	MOVG	3021	12.3 South	2.67%	Port Botany Rail (plus 5.3m)	Dec 21	N		
58	55	125	333225.5	6243305.9	16.7	54.8	10.9	5.8	SPIRE	3023	73.8 North	2.65%	Light Pole	Dec 21	N		
59	56	9570	333231.4	6243319.3	19.4	63.5	11.0	8.4	TREE	3033	270.2 North	3.23%	TREE	Dec 21	N		
60	58	3332	333240.5	6243343.3	19.6	64.2	11.2	8.4	TREE	3049	380.5 North	3.16%	Tree	Dec 21	N		
61	59	4762	333194.9	6243570.2	19.4	63.5	11.4	7.9	TREE	3071	83.3 South	2.96%	Tree	Nov 21	N		
62	60	4763	333199.1	6243560.4	19.5	63.9	11.4	8.0	TREE	3072	68.0 South	2.98%	Tree	Nov 21	N		
63	61	3334	333193.8	6243580.9	19.9	65.3	11.4	8.4	TREE	3073	60.4 South	3.07%	Tree	Nov 21	N		
64	62	3335	333260.8	6243360.6	20.0	65.6	11.4	8.6	TREE	3073	84.6 North	3.09%	Tree	Nov 21	N		
65	63	867	333208.2	6243539.5	17.6	57.8	11.5	6.1	BLDG	3074	179.8 North	2.55%	SW cnr Conc Building	Nov 21	N		
66	64	137	333273.4	6243340.3	21.6	70.7	11.5	10.0	TREE	3079	69.3 North	3.38%	Gum Tree	Dec 21	N		
67	65	9429	333277.5	6243351.2	22.9	75.1	11.6	11.3	TREE	3086	171.0 North	3.62%	Tree	Dec 21	N		
68	66	5442	333283.2	6243341.5	24.3	79.8	11.6	12.7	TREE	3089	50.0 North	3.90%	Tree	Mar 22	N		
69	67	9430	333286.8	6243348.3	23.7	77.8	11.7	12.0	TREE	3094	30.6 North	3.73%	Tree	Mar 22	N		
70	70	39	333280.5	6243435.9	20.0	65.6	11.9	8.1	SPIRE	3114	112.4 North	2.83%	Sewer Vent	Dec 21	N		
71	71	5443	333311.1	6243353.1	24.6	80.6	12.0	12.6	TREE	3119	14.0 North	3.72%	Tree	Mar 22	N		
72	72	3339	333259.6	6243541.9	21.6	71.0	12.1	9.6	TREE	3124	238.3 North	3.10%	Tree	Dec 21	N		
73	73	3112	333245.7	6243592.8	23.1	75.7	12.1	11.0	TREE	3126	256.4 North	3.37%	Tree	Dec 21	N		
74	74	3340	333259.3	6243553.6	21.0	68.9	12.1	8.9	TREE	3127	228.8 North	2.95%	Tree	Dec 21	N		
75	75	812	333323.2	6243357.7	23.9	78.3	12.2	11.7	TREE	3132	491.7 North	3.49%	Row of Sheoaks	Dec 21	N		
76	76	3185	333282.4	6243513.8	22.9	75.1	12.2	10.7	TREE	3138	150.1 South	3.26%	Tree	Dec 21	N		
77	77	824	333328.8	6243360.5	24.1	79.2	12.2	11.9	TREE	3138	107.6 South	3.50%	Row of Sheoaks	Dec 21	N		
78	78	826	333340.4	6243363.8	23.2	76.2	12.4	10.9	TREE	3150	103.6 South	3.25%	Row of Sheoaks	Dec 21	N		
79	79	9547	333269.9	6243601.5	20.8	68.3	12.4	8.4	TREE	3152	91.8 South	2.79%	Gum Tree	Dec 21	N		
80	80	828	333360.1	6243379.3	24.3	79.7	12.7	11.6	TREE	3174	72.1 South	3.30%	Gum Tree	Dec 21	N		
81	81	9431	333373.4	6243387.1	29.6	97.1	12.8	16.8	TREE	3189	94.4 South	4.15%	Tree	Mar 22	N		
82	82	343	333366.4	6243412.7	25.8	84.5	12.8	12.9	TREE	3189	847.8 South	3.47%	Gum Tree	Dec 21	N		
83	83	830	333379.3	6243389.9	29.6	97.2	12.9	16.7	TREE	3195	837.4 South	4.11%	Gum Tree	Mar 22	N		
84	85	2890	333390.0	6243391.0	29.9	98.0	13.0	16.8	TREE	3206	75.1 South	4.08%	Tree	Mar 22	N		
85	86	838	333397.2	6243410.3	25.7	84.3	13.2	12.5	TREE	3218	85.0 North	3.29%	Gum Tree	Dec 21	N		
86	87	834	333405.5	6243408.6	28.9	94.8	13.3	15.6	TREE	3225	66.2 North	3.78%	Gum Tree	Mar 22	N		
87	88	836	333410.5	6243414.2	29.8	97.8	13.4	16.5	TREE	3232	586.5 North	3.89%	Gum Tree	Mar 22	N		
88	89	842	333423.8	6243433.3	31.6	103.8	13.6	18.1	TREE	3250	673.7 South	4.06%	Gum Tree	Mar 22	N		
89	90	780	333362.4	6243654.2	26.8	87.9	13.6	13.1	TREE	3255	50.1 South	3.27%	Gum Tree	Dec 21	N		
90	91	1739	333464.3	6243367.4	27.2	89.2	13.8	13.4	TREE	3270	582.8 North	3.26%	Tree	Dec 21	N		
91	92	9510	333456.8	6243448.8	29.8	97.9	14.0	15.8	TREE	3286	29.8 South	3.58%	TREE	Mar 22	N		

Chart No. (2021)	Chart No. (2020)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	Date Last Visited	On Airport
					metres	(feet)	metres			metres		metres			
								MGA94							
92	93	3114	333406.5	6243648.4	26.4	86.7	14.1	12.3	TREE	3296	514.1 North	3.02%	Norfolk Pine Tree	Dec 21	N
93	94	2941	333470.5	6243441.9	30.7	100.6	14.1	16.5	TREE	3297	165.0 North	3.64%	Tree	Mar 22	N
94	95	1803	333488.1	6243384.2	25.2	82.6	14.1	11.0	TREE	3298	131.4 North	2.83%	Tree	Dec 21	N
95	96	9549	333421.5	6243621.0	24.3	79.6	14.2	10.1	TREE	3302	139.3 North	2.68%	TREE	Dec 21	N
96	97	3348	333456.3	6243617.3	26.0	85.3	14.6	11.4	TREE	3334	50.8 South	2.80%	Tree	Dec 21	N
97	98	9527	333507.2	6243454.1	30.4	99.7	14.6	15.8	TREE	3336	61.5 South	3.40%	Gum Tree	Dec 21	N
98	99	1738	333523.1	6243452.1	30.4	99.7	14.8	15.6	TREE	3351	58.9 South	3.34%	Tree	Dec 21	N
99	100	9511	333470.9	6243639.8	27.9	91.6	14.8	13.1	TREE	3355	95.9 South	2.98%	TREE	Dec 21	N
100	101	9513	333539.2	6243462.5	29.6	97.1	15.0	14.6	TREE	3369	23.2 South	3.15%	Gum Tree	Dec 21	N
101	102	9525	333545.7	6243577.3	25.7	84.5	15.5	10.3	TREE	3409	25.8 South	2.50%	TREE	Dec 21	N
102	103	3115	333549.1	6243567.8	28.0	91.7	15.5	12.5	TREE	3409	74.8 South	2.78%	Tree	Dec 21	N
103	104	9526	333554.0	6243559.5	23.6	77.6	15.5	8.1	TREE	3411	73.6 South	2.23%	TREE	Dec 21	N
104	105	9528	333599.5	6243479.1	29.8	97.6	15.8	14.0	TREE	3432	67.7 South	2.93%	Gum Tree	Dec 21	N
105	106	9512	333526.5	6243723.6	29.6	97.2	15.8	13.9	TREE	3432	58.0 North	2.91%	TREE	Dec 21	N
106	107	206	333577.9	6243733.7	25.6	84.0	16.4	9.2	TREE	3485	46.9 North	2.27%	Tree	Dec 21	N
107	109	204	333579.2	6243743.4	26.7	87.6	16.4	10.3	TREE	3489	35.9 North	2.38%	Tree	Dec 21	N
108	110	5906	333653.3	6243511.3	34.0	111.4	16.5	17.5	TREE	3492	82.4 North	3.20%	Gum Tree	Mar 22	N
109	111	3976	333658.1	6243496.7	32.4	106.3	16.5	15.9	TREE	3493	40.6 North	3.02%	Tree	Dec 21	N
110	112	380	333687.3	6243524.0	33.7	110.5	16.9	16.8	TREE	3529	121.5 North	3.05%	Sheoak	Dec 21	N
111	114	844	333652.6	6243686.8	26.5	87.0	17.1	9.4	TREE	3543	132.8 North	2.22%	Gum Tree	Dec 21	N
112	115	9504	333701.9	6243528.1	33.3	109.2	17.1	16.2	TREE	3544	123.2 North	2.95%	TREE	Dec 21	N
113	116	5460	333688.2	6243612.2	25.6	84.0	17.2	8.4	TREE	3555	122.7 North	2.09%	Pine Tree	Dec 21	N
114	117	382	333720.3	6243536.7	32.4	106.3	17.3	15.1	TREE	3564	111.2 North	2.79%	Sheoak	Dec 21	N
115	119	4482	333685.4	6243666.2	27.9	91.5	17.4	10.5	TREE	3568	119.0 North	2.31%	Tree	Dec 21	N
116	120	846	333675.4	6243701.2	30.5	100.1	17.4	13.1	TREE	3569	109.2 North	2.58%	Gum Tree	Dec 21	N
117	121	4481	333708.5	6243596.2	26.9	88.3	17.4	9.5	TREE	3570	106.4 North	2.20%	Norfolk Pine Tree	Dec 21	N
118	122	854	333701.5	6243703.3	39.0	128.0	17.7	21.3	TREE	3594	89.8 North	3.39%	Gum Tree	Mar 22	N
119	123	465	333721.4	6243659.1	31.2	102.4	17.8	13.4	TREE	3600	82.9 North	2.57%	Stringy Bark	Dec 21	N
120	124	467	333732.0	6243650.7	26.9	88.2	17.9	9.0	TREE	3608	81.3 North	2.11%	Stringy Bark	Dec 21	N
121	125	5907	333754.5	6243589.4	26.6	87.3	17.9	8.7	TREE	3612	84.6 North	2.08%	Gum Tree	Dec 21	N
122	127	493	333722.7	6243725.8	39.8	130.6	18.0	21.8	TREE	3621	196.9 North	3.38%	Gum Tree Group	Mar 22	N
123	128	469	333748.1	6243644.1	29.5	96.8	18.0	11.5	TREE	3622	734.8 South	2.35%	Stringy Bark	Dec 21	N
124	129	384	333791.3	6243519.5	27.3	89.4	18.1	9.2	TREE	3627	187.6 South	2.11%	Tree	Dec 21	N
125	130	1263	333758.1	6243632.4	31.4	102.9	18.1	13.3	TREE	3628	12.5 North	2.52%	Tree	Dec 21	N
126	131	471	333753.5	6243650.6	29.2	95.8	18.1	11.1	TREE	3629	102.4 South	2.30%	Stringy Bark	Dec 21	N
127	132	4483	333802.0	6243565.8	28.7	94.0	18.4	10.3	TREE	3651	157.2 North	2.20%	Tree	Dec 21	N
128	133	45	333856.6	6243600.4	28.8	94.5	19.1	9.7	TREE	3713	57.9 South	2.09%	Pine Tree	Dec 21	N
129	134	9531	333869.8	6243563.1	27.3	89.7	19.1	8.2	TREE	3715	115.3 South	1.95%	TREE	Dec 21	N
130	135	3351	333875.4	6243594.6	29.7	97.5	19.3	10.4	TREE	3729	109.2 North	2.14%	Tree	Dec 21	N
131	136	3350	333866.4	6243628.3	28.6	93.9	19.3	9.3	TREE	3730	7.7 South	2.04%	Tree	Dec 21	N
132	137	9499	333867.9	6243747.4	29.5	96.9	19.8	9.8	TREE	3766	114.2 South	2.05%	Gum	Dec 21	N
133	138	535	333868.8	6243771.2	30.3	99.5	19.9	10.5	TREE	3774	114.4 South	2.11%	Gum and Pines	Dec 21	N
134	139	9500	333910.2	6243639.0	30.0	98.5	19.9	10.2	TREE	3775	104.7 South	2.08%	TREE	Dec 21	N
135	140	1270	333934.5	6243601.9	33.5	109.9	20.0	13.5	TREE	3788	105.3 South	2.35%	Tree	Nov 21	N
136	141	2322	333903.8	6243703.9	35.3	115.9	20.0	15.3	TREE	3788	100.7 South	2.51%	Tree	Dec 21	N
137	143	563	333962.7	6243785.5	34.2	112.1	21.0	13.2	TREE	3868	90.4 South	2.26%	Gum Tree	Dec 21	N

Chart No. (2021)	Chart No. (2020)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	Date Last Visited	On Airport		
					MGA94		metres	metres		metres	metres	metres				metres	%
					metres	(feet)											
138	144	9588	334049.4	6243519.0	32.2	105.6	21.1	11.1	TREE	3874	86.5 South	2.09%	TREE	Dec 21	N		
139	145	9506	334026.7	6243625.9	30.9	101.3	21.2	9.7	TREE	3883	86.4 South	1.97%	GUM	Dec 21	N		
140	146	9587	334041.3	6243586.0	36.4	119.5	21.2	15.2	TREE	3885	114.3 North	2.40%	Gum	Dec 21	N		
141	147	5908	334016.0	6243740.8	32.8	107.7	21.4	11.4	TREE	3906	72.0 South	2.09%	Gum Tree	Dec 21	N		
142	148	9589	334092.5	6243519.9	34.0	111.6	21.6	12.5	TREE	3915	104.4 North	2.16%	TREE	Dec 21	N		
143	149	9586	334032.5	6243724.7	32.1	105.2	21.6	10.5	TREE	3917	111.6 North	2.01%	TREE	Dec 21	N		
144	150	9576	334190.8	6243973.6	33.8	111.0	24.3	9.6	TREE	4141	0.2 North	1.83%	Norfolk Pine	Dec 21	N		
145	151	48	334385.5	6243522.9	36.7	120.3	24.9	11.7	SPIRE	4197	106.1 North	1.94%	Traffic Camera+Mobile phone	Dec 21	N		
146	152	77	334673.3	6243758.6	44.6	146.4	29.1	15.6	ANTEN	4540	108.1 South	2.01%	Mobile Phone Tower	Dec 21	N		
147	153	169	336559.5	6245074.9	71.6	234.9	55.3	16.3	ANTEN	6727	92.0 North	1.60%	Antenna on Flats	Dec 21	N		
148	154	352	337614.0	6245387.8	92.5	303.5	68.5	24.0	TREE	7827	85.7 North	1.66%	Pine Tree	Nov 21	N		
149	155	358	337689.4	6245406.7	96.4	316.3	69.4	27.0	TREE	7904	136.8 North	1.71%	Tree	Nov 21	N		
150	157	2312	337870.1	6245077.7	93.4	306.5	70.4	23.1	SPIRE	7982	107.9 North	1.63%	Mobile Phone Tower	Mar 22	N		
151	158	4831	337974.6	6244974.4	96.6	316.9	71.2	25.4	TREE	8052	70.2 North	1.67%	Norfolk Pine Tree	Mar 22	N		
152	159	9502	338039.4	6245004.0	99.2	325.4	72.0	27.1	TREE	8123	70.8 South	1.69%	Gum Tree	Mar 22	N		
153	160	185	338062.9	6244982.8	101.0	331.4	72.2	28.8	TREE	8139	55.8 South	1.72%	Fig Tree	Mar 22	N		
154	161	187	338103.8	6244910.3	96.9	317.8	72.5	24.4	TREE	8157	45.4 North	1.64%	Norfolk Pine Tree	Mar 22	N		

* Obstacle penetrates by < 0.05m.

SYDNEY (KINGSFORD-SMITH) AIRPORT, AUSTRALIA
AERONAUTICAL INFORMATION PUBLICATION
AERODROME OBSTACLE CHART (DECEMBER 2021)
ICAO ANNEX 4 TYPE A (OPERATING LIMITATIONS)
(Runway 07 Takeoff)

(NEW AND DELETED OBSTACLES)

The origin of the surface is located at the end of the clearway

The total length of the area is 10000 metres (5.4 NM)

The area is splayed at 12.5% (7° 08')

The surface has a gradient of 1.2%

Chainages commence from the start of the Take Off run available

Datum for bearings and co-ordinates is the Map Grid of Australia (MGA94)

Datum for heights (HT) is the Australian Height Datum (AHD)

NB: The published height relating to roads include a height between 2.5m and 4.6m for transient obstacles.

NB: The published height relating to railways include a 5.3m height for transient obstacles.

NB: Obstacle database used for reduction: Obst 220323.xlsm

Mid-point of origin		Runway Bearing	Height at Chainage 00	Runway Length	Chainage at Origin	Height at Origin	
Easting	Northing					(m)	(ft)
(MGA94)		(Deg Min Sec)	(m) (ft)	(metres)	(metres)	(m)	(ft)
332799.696	6243319.910	73° 10' 55"	4.896 (16.063)	2529.9	2619.9	6.012	(19.724)

EXPLANATION OF SPECIFIC TERMS

Chart No.

Chart Identification Number, shown on the respective Type A Chart for the current year, denoting only the Significant Obstacles.

Note:

1. These numbers are regenerated with each survey and may vary from one year to the next.

2. The previous year's Chart No is also supplied for cross-referencing purposes.

Reference Number

Surveyor Identification Number - A unique sequential number allocated during surveys to identify an obstacle. This number does not change.

Type of Obstacle

ICAO Identification as displayed on Type A Chart and shown on that chart's legend.

Description

General description of the respective obstacle.

New Obstacles
(Obstacles newly reflected on Type A Charts - 2021 Survey)

Chart No. (2021)	Chart No. (2020)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	
					MGA94		metres	metres		metres	metres	metres		%
					metres	(feet)	metres	metres		metres	metres	%		
3		731	332924.6	6243250.7	8.4	27.7	7.2	1.2	MOVG	2719	23.9 North	2.44%	Perimeter Road Crown (plus 3.6m)	
42		3973	333059.5	6243532.8	15.2	49.7	9.7	5.4	MOVG	2930	35.1 South	2.95%	Port Botany Rail (plus 5.3m)	
30		5956	333034.0	6243270.9	11.6	37.9	8.5	3.0	TREE	2830	41.6 South	2.64%	Shrub	
37		5957	333059.9	6243333.6	12.2	39.9	9.0	3.1	TREE	2873	117.5 South	2.43%	Shrub	
29		5958	332995.1	6243397.1	13.1	43.0	8.5	4.6	TREE	2829	95.5 South	3.39%	Shrub	
39		5959	333105.9	6243290.1	13.0	42.8	9.4	3.6	TREE	2904	60.8 South	2.47%	Shrub	
38		5984	333057.6	6243366.6	14.1	46.3	9.1	5.0	TREE	2880	103.6 South	3.11%	Tree	

Note: A 'New' Obstacle is an obstacle that has become prominent from the results of the current survey. It is now reflected on the Type A Chart.

It is possible that this obstacle existed prior to this survey but was not prominent at that time (eg: shielded by other obstacles, etc).

* Obstacle penetrates <0.05m.

Deleted Obstacles
(Obstacles removed from Type A Charts - 2020 Survey)

Chart No. (2021)	Chart No. (2020)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	
					MGA94		metres	metres		metres	metres	metres		%
					metres	(feet)	metres	metres		metres	%			
	142	47	333963.7	6243586.9	30.2	99.1	20.3	9.9	TREE	3811	81.2 South	2.03%	Pine Tree Group	
	5	60	332922.3	6243290.9	8.0	26.4	7.3	0.7	LINES	2729	63.2 South	1.87%	Blast Deflector S end	
	7	102	332942.6	6243263.4	9.1	29.9	7.5	1.7	SPIRE	2740	95.5 South	2.58%	Light Pole	
	126	113	333125.3	6243297.3	14.3	46.8	9.7	4.6	SPIRE	2925	115.8 South	2.71%	Light Pole	
	156	291	337942.0	6244798.9	88.7	291.0	70.2	18.5	ANTEN	7970	72.1 South	1.55%	Antenna on Flats	
	6	827	332942.9	6243253.9	8.3	27.2	7.4	0.9	MOVG	2738	104.7 South	1.94%	Road Crown (plus 4.3m)	
	68	884	333285.2	6243392.8	19.2	62.9	11.8	7.3	TREE	3106	70.8 South	2.71%	Gum Tree	
	69	1162	333258.9	6243506.1	19.1	62.6	11.9	7.2	TREE	3113	45.4 North	2.65%	Gum Tree	
	21	4629	332955.0	6243437.0	9.5	31.1	8.2	1.3	SPIRE	2803	67.1 North	1.90%	Light Pole	
	26	4652	332995.5	6243295.5	9.5	31.0	8.2	1.3	SPIRE	2800	80 South	1.91%	Light Pole	
	12	4657	332986.9	6243468.0	10.5	34.4	8.7	1.8	SPIRE	2842	87.6 North	2.01%	Sign	
	113	4681	333055.8	6243510.8	11.9	39.1	9.6	2.3	BLDG	2920	108.6 North	1.96%	Railway Bridge	
	108	4682	333067.7	6243488.2	15.2	49.9	9.7	5.5	SPIRE	2925	83.5 North	3.01%	Pole	
	1	8867	332807.7	6243293.6	6.1	20.1	6.0	0.1	SPIRE	2620	27.5 South	449.78%	Gable Marker	

Note: A 'Deleted' Obstacle is an obstacle no longer prominent from the results of the current survey. It has been removed from the Type A Chart.

It is possible that this obstacle still physically exists however it is no longer prominent (eg: shielded by other obstacles, etc).

* Obstacle penetrates <0.05m.