

SYDNEY (KINGSFORD-SMITH) AIRPORT, AUSTRALIA
AERONAUTICAL INFORMATION PUBLICATION
AERODROME OBSTACLE CHART (DECEMBER 2020)
ICAO ANNEX 4 TYPE A (OPERATING LIMITATIONS)
(34L TAKE OFF)

(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 210304.red

Sydney Kingsford-Smith Airport 34L Take Off						
Mid-point	of origin	Runway Bearing	Height at	Runway	Chainage	Height at
<u>Easting</u>	<u>Northing</u>		<u>Chainage 00</u>	<u>Length</u>	<u>at Origin</u>	<u>Origin</u>
(MGA94)		(Deg Min Sec)	(m) (ft)	(metres)	(metres)	(m) (ft)
330978.635	6244258.731	346° 47' 03"	4.278 (14.0)	3962.5	4052.5	2.180 (7.2)

EXPLANATION OF SPECIFIC TERMS

Chart No.	Chart Identification Number, shown on the respective Type A Chart for the current year, denoting <u>only</u> 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. (2020)	Chart No. (2019)	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
		396	330513.3	6245438.2	23.4	76.6	17.2	6.1	TREE	5307.1	183.3 West	1.7	Palm tree	Dec 20	N		
		398	330509.6	6245442.4	23.2	76.1	17.3	5.9	TREE	5312.0	186.1 West	1.7	Palm tree	Dec 20	N		
		400	330718.5	6245565.1	28.5	93.4	18.2	10.3	TREE	5383.7	45.4 East	2.0	Palm tree	Dec 20	N		
		440	329857.2	6248346.7	55.7	182.7	53.0	2.7	TREE	8288.6	157.1 West	1.3	Gum Tree	Dec 15	N		
		444	329811.5	6247821.9	58.0	190.3	47.0	11.0	BLDG	7788.1	321.6 West	1.5	Building	Nov 18	N		
		482	331039.8	6244413.8	5.3	17.4	3.8	1.5	SPIRE	4189.5	95 East	2.3	Light Pole	Nov 20	Y		
		484	331024.2	6244410.1	5.2	17.2	3.8	1.4	SPIRE	4189.5	79 East	2.2	Light Pole	Nov 20	Y		
		486	331009.3	6244406.7	5.3	17.3	3.8	1.5	SPIRE	4189.5	63.7 East	2.3	Light Pole	Nov 20	Y		
		488	330991.2	6244402.4	5.2	17.2	3.8	1.4	SPIRE	4189.5	45 East	2.2	Light Pole	Nov 20	Y		
		490	330976.8	6244399.0	5.2	17.2	3.8	1.4	SPIRE	4189.5	30.2 East	2.2	Light Pole	Nov 20	Y		
		492	330961.7	6244395.5	5.3	17.2	3.8	1.4	SPIRE	4189.5	14.7 East	2.2	Light Pole	Nov 20	Y		
		494	330945.1	6244391.6	5.2	17.2	3.8	1.4	SPIRE	4189.5	2.3 West	2.2	Light Pole	Nov 20	Y		
		496	330930.1	6244388.1	5.2	17.1	3.8	1.4	SPIRE	4189.5	17.7 West	2.2	Light Pole	Nov 20	Y		
		498	330914.3	6244384.3	5.3	17.2	3.8	1.4	SPIRE	4189.4	33.9 West	2.2	Light Pole	Nov 20	Y		
		500	330899.7	6244380.9	5.3	17.4	3.8	1.5	SPIRE	4189.5	48.9 West	2.3	Light Pole	Nov 20	Y		
		502	330882.3	6244376.8	5.3	17.3	3.8	1.4	SPIRE	4189.5	66.8 West	2.3	Light Pole	Nov 20	Y		
		504	330867.8	6244373.4	5.3	17.5	3.8	1.5	SPIRE	4189.5	81.7 West	2.3	Light Pole	Nov 20	Y		
		506	330852.0	6244369.7	5.3	17.3	3.8	1.5	SPIRE	4189.5	97.9 West	2.3	Light Pole	Nov 20	Y		
		526	331044.4	6244452.6	6.9	22.5	4.3	2.6	SPIRE	4226.2	108.3 East	2.7	Light Pole	Nov 20	Y		
		528	331032.6	6244449.8	6.9	22.7	4.3	2.7	SPIRE	4226.2	96.2 East	2.7	Light Pole	Nov 20	Y		
		530	331020.8	6244447.0	6.9	22.6	4.3	2.6	SPIRE	4226.2	84.1 East	2.7	Light Pole	Nov 20	Y		
		532	331008.7	6244444.2	6.9	22.5	4.3	2.6	SPIRE	4226.2	71.7 East	2.7	Light Pole	Nov 20	Y		
		534	330996.9	6244441.5	6.9	22.5	4.3	2.6	SPIRE	4226.2	59.6 East	2.7	Light Pole	Nov 20	Y		
		536	330985.0	6244438.7	6.8	22.5	4.3	2.6	SPIRE	4226.2	47.3 East	2.7	Light Pole	Nov 20	Y		
		538	330973.2	6244435.9	6.9	22.6	4.3	2.6	SPIRE	4226.2	35.2 East	2.7	Light Pole	Nov 20	Y		
		540	330961.4	6244433.1	6.9	22.5	4.3	2.6	SPIRE	4226.2	23.1 East	2.7	Light Pole	Nov 20	Y		
		542	330949.2	6244430.3	6.9	22.5	4.3	2.6	SPIRE	4226.2	10.5 East	2.7	Light Pole	Nov 20	Y		
		544	330937.6	6244427.5	6.8	22.3	4.3	2.5	SPIRE	4226.2	1.4 West	2.7	Light Pole	Nov 20	Y		
		546	330925.6	6244424.7	6.9	22.6	4.3	2.6	SPIRE	4226.2	13.7 West	2.7	Light Pole	Nov 20	Y		
		548	330913.8	6244421.9	6.8	22.3	4.3	2.5	SPIRE	4226.2	25.9 West	2.7	Light Pole	Nov 20	Y		
		550	330901.9	6244419.1	6.9	22.5	4.3	2.6	SPIRE	4226.2	38.1 West	2.7	Light Pole	Nov 20	Y		
		552	330890.1	6244416.3	6.9	22.6	4.3	2.6	SPIRE	4226.2	50.1 West	2.7	Light Pole	Nov 20	Y		
		554	330878.1	6244413.5	6.9	22.6	4.3	2.6	SPIRE	4226.1	62.5 West	2.7	Light Pole	Nov 20	Y		
		556	330866.5	6244410.7	6.9	22.5	4.3	2.6	SPIRE	4226.1	74.4 West	2.7	Light Pole	Nov 20	Y		
		558	330854.8	6244407.9	6.8	22.4	4.3	2.6	SPIRE	4226.1	86.5 West	2.7	Light Pole	Nov 20	Y		
		560	330842.6	6244405.2	6.9	22.6	4.3	2.6	SPIRE	4226.1	98.9 West	2.7	Light Pole	Nov 20	Y		
		562	330830.9	6244402.4	6.9	22.6	4.3	2.6	SPIRE	4226.1	111 West	2.7	Light Pole	Nov 20	Y		
		574	330948.0	6244391.3	4.2	13.7	3.8	0.4	LINES	4188.5	0.5 East	1.5	Wire line atop RWY 16R Blast Fence	Nov 20	Y		
		576	331050.5	6244415.3	4.2	13.8	3.8	0.4	LINES	4188.5	105.8 East	1.5	Wire line atop RWY 16R Blast Fence	Nov 20	Y		
		582	330853.4	6244370.8	4.6	15.3	3.8	0.8	SPIRE	4190.2	96.3 West	1.8	Road Sign	Nov 20	Y		
		584	330911.2	6244384.0	4.7	15.4	3.8	0.9	SPIRE	4189.9	37 West	1.8	Road Sign	Nov 20	Y		
		738	330136.5	6247824.1	50.6	166.1	46.1	4.5	ANTEN	7716.0	4.7 West	1.3	Mobile Phone Tower	Nov 18	N		
		740	330149.1	6247787.6	55.5	181.9	45.7	9.8	TREE	7677.6	0.8 West	1.5	Gum Tree	Nov 18	N		

Chart No. (2020)	Chart No. (2019)	Reference Number (Surveyor ID No.)	Easting MGA94	Northing MGA94	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD metres	Pen. of Lowest Surveyed Slope (1.2%) metres	Type of Obstacle	Chainage relative to RWY Start metres	Offset from Centreline metres	Gradient to top of Obstacle (%)	Description	Date Last Visited	On Airport
					metres	(feet)									
		1208	330760.1	6245023.3	12.8	42.1	11.7	1.1	SPIRE	4846.8	37.9 West	1.3	FLOOD LIGHT	Nov 18	N
		1214	330986.3	6244869.2	12.2	39.9	9.3	2.9	SPIRE	4645.0	147 East	1.7	LIGHT POLE	Dec 20	N
61	58	1226	330607.5	6245214.0	28.2	92.5	14.4	13.8	TREE	5067.3	142.9 West	2.6	TREE	Mar 21	N
59		1229	330579.5	6245117.6	22.1	72.4	13.3	8.8	SPIRE	4979.8	192.2 West	2.1	LIGHT POLE	Dec 20	N
		1309	330863.7	6244394.7	5.4	17.7	4.1	1.3	LINES	4211.1	80.8 West	2.0	Perimeter fence	Nov 20	Y
		1310	330910.4	6244405.6	5.4	17.7	4.1	1.3	LINES	4211.1	32.9 West	2.0	Perimeter fence	Nov 19	Y
		1311	330950.9	6244415.1	5.4	17.7	4.1	1.3	LINES	4211.1	8.8 East	2.0	Perimeter fence	Nov 19	Y
		1312	330978.9	6244421.7	5.4	17.7	4.1	1.3	LINES	4211.1	37.5 East	2.0	Perimeter fence	Dec 20	Y
		1313	331006.8	6244428.2	5.4	17.7	4.1	1.3	LINES	4211.1	66.2 East	2.0	Perimeter fence	Nov 20	Y
		1314	331041.8	6244436.4	5.4	17.7	4.1	1.3	LINES	4211.1	102.1 East	2.0	Perimeter fence	Nov 20	Y
		1318	330776.3	6245249.4	23.5	77.2	14.3	9.2	ANTEN	5063.2	29.5 East	2.1	Mobile Phone Tower	Dec 20	N
		1320	330752.2	6245226.8	20.1	66.0	14.1	6.0	BLDG	5046.7	0.9 East	1.8	Plant room atop building	Dec 20	N
		1321	330897.6	6245339.7	22.4	73.3	15.0	7.3	BLDG	5123.4	168.2 East	1.9	Building	Dec 20	N
		1322	330917.0	6245341.8	22.4	73.3	15.0	7.4	BLDG	5121.0	187.6 East	1.9	Building	Dec 20	N
		1323	330703.8	6245190.9	19.8	64.8	13.8	5.9	BLDG	5022.9	54.5 West	1.8	Apex of building	Dec 20	N
		1724	330870.7	6244488.6	6.8	22.4	5.2	1.7	LINES	4300.9	52.6 West	1.9	Fence Pole	Nov 20	Y
		1740	330776.8	6245476.5	25.7	84.4	17.0	8.8	SPIRE	5284.2	81.9 East	1.9	Light Pole	Dec 20	N
77	74	1798	330653.4	6247743.0	63.0	206.7	43.8	19.2	TREE	7518.9	480 East	1.8	Tree - Norfolk	Mar 21	N
		1990	329684.6	6247698.7	66.4	217.7	45.9	20.4	TREE	7697.2	473.3 West	1.8	Tree	Mar 21	N
		1991	329770.8	6247708.9	66.5	218.2	45.8	20.7	TREE	7687.4	387.1 West	1.8	Gum Tree	Mar 21	N
49		2100	330692.7	6244950.4	17.9	58.7	11.0	6.8	SPIRE	4791.2	120.2 West	2.1	Vent	Nov 20	N
51		2102	330677.9	6244957.1	18.1	59.3	11.2	6.9	SPIRE	4801.2	133.1 West	2.1	Vent	Nov 20	N
		2104	330667.8	6244968.7	18.0	59.1	11.3	6.7	SPIRE	4814.7	140.3 West	2.1	Vent	Nov 20	N
		2106	330658.1	6244979.9	18.1	59.5	11.5	6.7	SPIRE	4827.9	147.2 West	2.1	Vent	Nov 20	N
		2108	330648.5	6244990.9	18.4	60.4	11.6	6.8	SPIRE	4840.8	154 West	2.1	Vent	Nov 20	N
		2110	330638.2	6245002.9	18.5	60.8	11.8	6.7	SPIRE	4854.8	161.3 West	2.0	Vent	Nov 20	N
		2112	330628.0	6245014.6	18.8	61.8	12.0	6.9	SPIRE	4868.5	168.6 West	2.0	Vent	Nov 20	N
		2114	330619.3	6245024.6	19.0	62.4	12.1	6.9	SPIRE	4880.2	174.7 West	2.0	Vent	Nov 20	N
		2116	330608.8	6245036.6	19.4	63.5	12.3	7.1	SPIRE	4894.3	182.2 West	2.0	Vent	Nov 20	N
		2136	330598.7	6245048.3	19.6	64.2	12.4	7.1	SPIRE	4908.0	189.3 West	2.0	Vent	Nov 20	N
		2138	330588.6	6245059.9	19.8	65.1	12.6	7.2	SPIRE	4921.6	196.6 West	2.0	Vent	Nov 20	N
		2146	330583.1	6245134.5	22.2	73.0	13.5	8.7	SPIRE	4995.5	184.8 West	2.1	Street light	Dec 20	N
		2148	330631.7	6245150.8	22.3	73.0	13.6	8.7	SPIRE	5000.2	133.8 West	2.1	Street light	Dec 20	N
		2150	330676.1	6245072.6	18.4	60.5	12.5	5.9	SPIRE	4914.0	108.4 West	1.9	Street light	Nov 18	N
		2516	330626.4	6245527.9	29.7	97.5	18.0	11.7	TREE	5368.6	52.8 West	2.1	Tree	Dec 20	N
		2518	330878.0	6245745.5	28.9	94.7	19.8	9.1	TREE	5522.9	241.9 East	1.8	Tree	Nov 18	N
		2520	330871.2	6245111.8	18.0	59.1	12.4	5.6	SPIRE	4907.5	90.4 East	1.9	Flood Light	Dec 20	N
7	14	2578	330895.2	6244363.8	5.9	19.2	3.6	2.2	ANTEN	4173.8	57.2 West	3.0	Far field monitor mast	Nov 20	Y
8	15	2580	330950.7	6244376.9	6.0	19.5	3.6	2.3	ANTEN	4173.9	0.2 West	3.1	Far Field monitor mast (lit)	Nov 20	Y
	4	2966	330965.8	6244260.6	4.2	13.8	2.2	2.0	SPIRE	4057.2	12 West	43.1	HIAL	Nov 20	Y
	3	2967	330989.3	6244266.1	4.2	13.8	2.2	2.0	SPIRE	4057.2	12.1 East	42.8	HIAL	Nov 20	Y
2		2968	330977.6	6244263.3	4.2	13.9	2.2	2.0	SPIRE	4057.2	0 East	44.0	HIAL	Nov 20	Y
3	5	2969	330959.1	6244289.7	4.7	15.5	2.6	2.1	SPIRE	4087.1	12 West	7.3	HIAL	Nov 20	Y

Chart No. (2020)	Chart No. (2019)	Reference Number (Surveyor ID No.)	Easting MGA94	Northing MGA94	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD metres	Pen. of Lowest Surveyed Slope (1.2%) metres	Type of Obstacle	Chainage relative to RWY Start metres	Offset from Centreline metres	Gradient to top of Obstacle (%)	Description	Date Last Visited	On Airport
					metres	(feet)									
	7	2970	330970.8	6244292.5	4.7	15.5	2.6	2.1	SPIRE	4087.2	0 East	7.4	HIAL	Nov 20	Y
4	6	2971	330982.4	6244295.2	4.7	15.5	2.6	2.1	SPIRE	4087.2	12.1 East	7.4	HIAL	Nov 20	Y
5	11	2975	330957.0	6244350.9	5.7	18.8	3.3	2.4	SPIRE	4147.2	0 East	3.7	HIAL	Nov 20	Y
	13	2976	330945.3	6244348.3	5.7	18.8	3.3	2.4	SPIRE	4147.3	12 West	3.7	HIAL	Nov 20	Y
6	12	2977	330968.6	6244353.7	5.7	18.8	3.3	2.4	SPIRE	4147.3	12 East	3.8	HIAL	Nov 20	Y
		2978	330964.1	6244385.9	6.2	20.2	3.7	2.4	SPIRE	4179.7	14.9 East	3.1	HIAL	Nov 20	Y
		2979	330934.9	6244379.1	6.2	20.3	3.7	2.5	SPIRE	4179.7	15.1 West	3.2	HIAL	Nov 20	Y
9	16	2980	330949.7	6244382.2	6.5	21.3	3.7	2.8	SPIRE	4179.3	0 East	3.4	HIAL	Nov 20	Y
13	19	2981	330942.2	6244413.9	7.1	23.3	4.1	3.0	SPIRE	4211.8	0 East	3.1	HIAL	Nov 20	Y
15	21	2982	330927.6	6244476.3	8.0	26.2	4.9	3.1	SPIRE	4275.9	0 East	2.6	HIAL	Nov 20	N
16	22	2983	330921.2	6244503.0	8.5	27.9	5.2	3.3	SPIRE	4303.5	0 East	2.5	HIAL	Nov 20	Y
17	24	2984	330914.9	6244530.0	9.0	29.6	5.5	3.5	SPIRE	4331.2	0 East	2.5	HIAL	Nov 20	Y
18	27	2985	330908.6	6244557.0	9.4	31.0	5.9	3.6	SPIRE	4358.9	0 East	2.4	HIAL	Nov 20	Y
19	30	2986	330902.3	6244584.1	9.9	32.5	6.2	3.7	SPIRE	4386.7	0 East	2.3	HIAL	Nov 20	Y
22	34	2987	330895.9	6244611.0	10.3	33.8	6.5	3.8	SPIRE	4414.4	0 East	2.2	HIAL	Nov 20	Y
28	37	2988	330889.6	6244638.0	10.7	35.2	6.9	3.9	SPIRE	4442.1	0.1 East	2.2	HIAL	Nov 20	Y
30	38	2989	330883.3	6244664.7	11.2	36.8	7.2	4.0	SPIRE	4469.5	0 East	2.2	HIAL	Nov 20	Y
31	40	2990	330876.8	6244691.9	11.7	38.5	7.5	4.2	SPIRE	4497.5	0.1 West	2.2	HIAL	Dec 20	Y
34	41	2991	330870.6	6244719.0	12.3	40.2	7.9	4.4	SPIRE	4525.3	0 East	2.1	HIAL	Dec 20	Y
37	42	2992	330864.2	6244746.0	12.7	41.7	8.2	4.5	SPIRE	4553.0	0 East	2.1	HIAL	Dec 20	Y
38		2993	330857.9	6244773.0	13.1	43.1	8.5	4.6	SPIRE	4580.8	0 East	2.1	HIAL	Dec 20	Y
43		2994	330851.5	6244800.0	13.7	44.9	8.9	4.8	SPIRE	4608.5	0 East	2.1	HIAL	Dec 20	Y
		2995	330845.2	6244827.0	14.0	46.1	9.2	4.9	SPIRE	4636.2	0 East	2.0	HIAL	Nov 20	Y
		2996	330838.9	6244853.7	14.5	47.7	9.5	5.0	SPIRE	4663.7	0 East	2.0	HIAL	Nov 20	Y
		2997	330832.4	6244881.5	15.0	49.2	9.9	5.1	SPIRE	4692.2	0.1 East	2.0	HIAL	Nov 20	N
14	20	3000	330935.0	6244444.7	7.5	24.6	4.5	3.0	SPIRE	4243.5	0 East	2.8	HIAL	Nov 20	Y
		3005	330937.2	6244445.6	7.3	23.9	4.5	2.8	SPIRE	4243.9	2.3 East	2.7	HIAL	Nov 20	Y
		3006	330932.8	6244444.6	7.2	23.8	4.5	2.8	SPIRE	4243.9	2.2 West	2.7	HIAL	Nov 20	Y
72	69	3032	330596.2	6245406.3	30.6	100.3	16.6	13.9	TREE	5257.1	109.9 West	2.4	Tree	Mar 21	N
70	67	3033	330721.1	6245402.1	29.1	95.6	16.2	12.9	TREE	5224.5	10.7 East	2.3	Palm Tree	Mar 21	N
		3034	330869.1	6245516.9	28.7	94.1	17.2	11.5	TREE	5302.4	181 East	2.1	Palm Tree	Dec 19	N
		3035	330887.5	6245486.7	28.1	92.2	16.8	11.3	TREE	5268.8	192 East	2.1	Palm Tree	Dec 20	N
		3062	331022.7	6244273.1	2.6	8.4	2.2	0.3	BLDG	4056.4	46.2 East	10.0	frangible marker	Nov 20	Y
		3063	330933.4	6244249.2	2.6	8.7	2.2	0.5	BLDG	4053.5	46.2 West	45.1	frangible marker	Dec 19	Y
		3064	331016.5	6244298.1	2.8	9.2	2.5	0.3	BLDG	4082.1	45.9 East	2.1	frangible marker	Nov 20	Y
		3065	330926.8	6244276.5	2.5	8.3	2.5	0.0	BLDG	4081.6	46.4 West	1.2	frangible marker	Dec 20	Y
		3075	330673.2	6245085.8	18.3	59.9	12.7	5.6	SPIRE	4927.5	108.2 West	1.8	Street light	Nov 18	N
		3076	330652.3	6245098.9	18.8	61.5	12.9	5.9	SPIRE	4945.0	125.6 West	1.9	Street light	Dec 20	N
57	56	3077	330670.1	6245100.1	24.1	79.1	12.9	11.3	TREE	4942.2	108 West	2.5	Palm Tree	Feb 21	N
		3078	330643.9	6245023.5	19.4	63.6	12.0	7.4	TREE	4873.6	151 West	2.1	Vent atop building	Nov 20	N
		3079	330590.3	6245177.4	22.6	74.0	14.0	8.6	BLDG	5035.6	168 West	2.1	Lightning rod atop chimney	Dec 20	N
		3081	330632.4	6245517.8	30.0	98.5	17.8	12.2	TREE	5357.4	49.2 West	2.1	Tree	Dec 20	N
		3082	330641.8	6245632.3	29.8	97.9	19.2	10.7	TREE	5466.7	13.9 West	2.0	Tree	Dec 20	N

Chart No. (2020)	Chart No. (2019)	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	metres		metres	metres	(%)			
		3083	330628.8	6245551.7	29.6	97.1	18.2	11.4	TREE	5391.2	45 West	2.1	Tree	Dec 20	N
		3084	330452.2	6245705.6	24.1	79.1	20.5	3.6	TREE	5581.4	181.7 West	1.4	Palm Tree	Dec 20	N
		3193	329429.6	6248458.5	70.5	231.3	55.5	15.0	TREE	8495.2	547.9 West	1.5	Tree	Nov 18	N
		3194	329623.5	6248315.2	66.7	218.8	53.3	13.4	TREE	8311.4	391.9 West	1.5	Tree	Nov 18	N
		3195	329912.1	6248103.0	66.2	217.2	50.0	16.2	TREE	8038.8	159.4 West	1.6	Tree	Nov 18	N
45	51	3292	330743.9	6244795.2	15.2	49.7	9.1	6.1	SPIRE	4628.5	105.9 West	2.3	Traffic Sign	Nov 20	Y
		3402	331021.3	6244528.9	7.3	23.8	5.2	2.0	SPIRE	4305.7	103.3 East	2.0	Lightpole	Nov 20	Y
46		3411	330743.5	6244796.1	15.2	50.0	9.1	6.1	SPIRE	4629.4	106 West	2.3	Traffic sign	Nov 20	Y
		3412	330736.6	6244803.4	14.3	47.0	9.2	5.1	LINES	4638.1	111.1 West	2.1	Fence	Nov 20	N
	49	3413	330747.4	6244789.4	13.8	45.3	9.0	4.8	LINES	4621.9	103.8 West	2.0	Fence	Nov 20	Y
44	50	3414	330714.3	6244782.3	15.0	49.2	9.0	6.0	SPIRE	4622.6	137.7 West	2.3	Traffic sign	Nov 20	N
		3420	330703.3	6244960.1	17.7	57.9	11.1	6.5	SPIRE	4798.2	107.7 West	2.1	Vent	Nov 20	N
	54	3422	330953.5	6245050.4	17.4	57.1	11.5	5.9	BLDG	4829.0	156.5 East	2.0	Container	Nov 20	N
58		3423	330624.8	6245125.9	22.4	73.4	13.3	9.1	TREE	4977.6	146.2 West	2.2	Tree	Dec 20	N
		3424	330608.5	6245148.8	21.4	70.3	13.6	7.8	SPIRE	5003.6	156.8 West	2.0	Light pole	Dec 20	N
		3425	330633.7	6245139.6	21.2	69.7	13.4	7.8	SPIRE	4988.9	134.4 West	2.0	Power pole	Dec 20	N
		3428	330766.9	6245272.0	20.9	68.5	14.6	6.3	SPIRE	5087.3	25.5 East	1.8	Flag	Dec 20	N
		3429	330681.5	6245293.2	25.0	81.9	15.1	9.9	TREE	5127.5	52.7 West	2.1	Tree	Dec 20	N
62	59	3430	330688.9	6245311.7	28.0	92.0	15.3	12.8	TREE	5143.8	41.3 West	2.4	Tree	Mar 21	N
64	61	3431	330646.2	6245318.9	27.5	90.3	15.5	12.0	TREE	5160.6	81.2 West	2.3	Tree	Mar 21	N
65	62	3432	330641.4	6245335.1	26.5	86.9	15.7	10.8	TREE	5177.4	82.3 West	2.2	Tree	Dec 19	N
67	64	3433	330626.3	6245359.5	29.3	96.1	16.0	13.3	TREE	5204.6	91.3 West	2.4	Tree	Mar 21	N
		3434	330877.5	6245376.8	25.6	84.1	15.5	10.1	TREE	5164.1	157.2 East	2.1	Tree	Dec 19	N
68	65	3435	330656.4	6245371.5	27.2	89.1	16.1	11.1	TREE	5209.5	59.3 West	2.2	Tree	Dec 20	N
69	66	3436	330626.5	6245368.0	29.0	95.0	16.1	12.9	TREE	5212.9	89.2 West	2.3	Tree	Mar 21	N
		3438	330529.5	6247965.7	60.7	199.1	46.7	14.0	TREE	7764.0	410.2 East	1.6	Tree	Nov 18	N
		3439	329866.2	6247869.0	60.7	199.0	47.4	13.2	TREE	7821.5	257.6 West	1.6	Tree	Nov 18	N
		3440	330171.3	6247933.8	57.7	189.3	47.3	10.4	TREE	7814.8	54.3 East	1.5	Tree	Nov 18	N
		3441	329613.7	6247784.5	61.8	202.8	47.1	14.7	SPIRE	7796.9	522.7 West	1.6	Sewer Vent	Nov 18	N
		3442	330465.7	6247994.9	48.0	157.5	47.2	0.8	BLDG	7807.0	354.8 East	1.2	Newington College	Nov 18	N
79	76	3443	329618.2	6247740.2	69.5	227.9	46.6	22.9	TREE	7752.8	528.5 West	1.8	Gum Tree Group	Mar 21	N
		3445	329540.2	6247980.4	66.7	218.7	49.6	17.1	BLDG	8004.5	549.5 West	1.6	Round Dark Chimney on Building	Jan 19	N
		3446	330353.0	6248024.8	58.7	192.4	47.9	10.8	TREE	7861.9	252 East	1.5	Tree	Nov 18	N
		3447	329877.6	6247736.9	58.6	192.3	45.8	12.8	BLDG	7690.3	276.7 West	1.6	Roof of Tower	Nov 18	N
		3448	330577.7	6248115.6	49.9	163.6	48.3	1.5	TREE	7898.9	491.4 East	1.2	Tree	Nov 18	N
78	75	3449	330032.1	6247615.7	64.8	212.5	44.0	20.8	ANTEN	7536.9	154 West	1.8	Lightning Rod	Mar 21	N
		3454	329658.6	6247951.6	61.1	200.5	48.9	12.2	BLDG	7949.4	440.8 West	1.5	Petersham Town Hall	Nov 18	N
80	77	3459	329612.2	6247971.2	70.3	230.7	49.3	21.0	SPIRE	7979.0	481.5 West	1.7	Flag Pole on Clock Tower	Mar 21	N
		3460	329833.6	6247941.2	52.0	170.6	48.3	3.6	BLDG	7899.2	272.8 West	1.3	Roof	May 16	N
		3461	329692.1	6247829.4	61.2	200.8	47.4	13.8	SPIRE	7822.7	436.2 West	1.6	Flag Pole on Building	Nov 18	N
		3463	329702.0	6247877.1	62.1	203.7	48.0	14.1	ANTEN	7866.9	415.6 West	1.6	Cross on E end of Church	Nov 18	N
		3465	329759.7	6247860.4	61.7	202.3	47.6	14.1	TREE	7837.4	363.2 West	1.6	Palm Tree	Nov 18	N
		3467	329758.4	6247883.4	57.0	187.0	47.9	9.1	SPIRE	7860.2	359.3 West	1.4	Sewer Vent	Nov 18	N

Chart No. (2020)	Chart No. (2019)	Reference Number (Surveyor ID No.)	Easting MGA94	Northing MGA94	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD metres	Pen. of Lowest Surveyed Slope (1.2%) metres	Type of Obstacle	Chainage relative to RWY Start metres	Offset from Centreline metres	Gradient to top of Obstacle (%)	Description	Date Last Visited	On Airport
					metres	(feet)									
		3473	330078.8	6247798.4	55.0	180.4	46.0	9.0	SPIRE	7704.2	66.7 West	1.5	Church Spire	Nov 18	N
		3475	330052.6	6247857.3	57.8	189.5	46.8	11.0	TREE	7767.5	78.8 West	1.5	Camphorlaurel Trees	Nov 18	N
		3477	330603.3	6247717.9	54.6	179.2	43.6	11.0	BLDG	7505.9	425.5 East	1.5	Building	Nov 18	N
		3479	330631.1	6247702.9	54.4	178.5	43.4	11.0	BLDG	7484.9	449.1 East	1.5	Building	Nov 18	N
		3481	330492.0	6247867.0	58.9	193.4	45.7	13.3	TREE	7676.4	351.1 East	1.6	Camphorlaurel Trees	Nov 18	N
		3487	330646.2	6245162.5	22.2	72.9	13.7	8.6	SPIRE	5008.4	117 West	2.1	Light Pole	Dec 20	N
		3488	329885.8	6248194.9	61.8	202.8	51.2	10.7	TREE	8134.2	164 West	1.5	Tree	Nov 18	N
		3489	330669.8	6245162.9	23.2	76.2	13.6	9.6	SPIRE	5003.4	93.9 West	2.2	Elec Pole	Nov 16	N
		3490	329818.1	6248322.5	55.9	183.4	52.8	3.1	TREE	8274.0	200.7 West	1.3	Pine Tree	Nov 18	N
		3491	329717.4	6247820.3	62.0	203.4	47.2	14.8	ANTEN	7808.1	413.6 West	1.6	Flag Pole on Building	Nov 18	N
		3492	329699.2	6248312.4	56.0	183.8	53.0	3.0	BLDG	8291.3	318.7 West	1.3	Apartment	Jan 16	N
		3493	329636.5	6248203.9	65.1	213.6	52.0	13.1	ANTEN	8200.0	404.7 West	1.5	Whip Antenna	May 16	N
		3494	329564.3	6248374.3	61.5	201.8	54.1	7.4	TREE	8382.4	436 West	1.4	Tree	Nov 18	N
		3496	329739.5	6248608.1	58.0	190.3	56.4	1.6	BLDG	8570.0	212 West	1.2	Petersham College	Nov 18	N
		3497	329752.8	6247633.5	55.9	183.2	45.0	10.9	TREE	7618.2	421.9 West	1.5	Palm Tree	May 16	N
		3509	330856.7	6245526.7	29.5	96.9	17.3	12.2	SPIRE	5314.8	171.1 East	2.2	Sewer Vent	Nov 20	N
		3511	331048.0	6244437.0	6.8	22.3	4.1	2.7	SPIRE	4210.2	108.3 East	2.9	Light Pole	Nov 20	Y
		3513	331036.1	6244434.2	6.8	22.4	4.1	2.7	SPIRE	4210.2	96.1 East	2.9	Light Pole	Nov 20	Y
		3515	331024.4	6244431.5	6.7	22.1	4.1	2.7	SPIRE	4210.3	84 East	2.9	Light Pole	Nov 20	Y
10		3517	331012.4	6244428.6	6.8	22.2	4.1	2.7	SPIRE	4210.1	71.7 East	2.9	Light Pole	Nov 20	Y
		3519	331000.6	6244425.8	6.8	22.4	4.1	2.7	SPIRE	4210.1	59.6 East	2.9	Light Pole	Nov 20	Y
		3521	330988.9	6244423.1	6.8	22.3	4.1	2.7	SPIRE	4210.2	47.5 East	2.9	Light Pole	Nov 20	Y
		3523	330976.8	6244420.3	6.8	22.2	4.1	2.7	SPIRE	4210.2	35.2 East	2.9	Light Pole	Nov 20	Y
		3525	330964.9	6244417.5	6.7	22.1	4.1	2.7	SPIRE	4210.2	22.9 East	2.9	Light Pole	Nov 20	Y
		3527	330952.9	6244414.7	6.8	22.3	4.1	2.7	SPIRE	4210.3	10.6 East	2.9	Light Pole	Nov 20	Y
		3529	330940.8	6244411.9	6.7	22.1	4.1	2.7	SPIRE	4210.2	1.8 West	2.9	Light Pole	Nov 20	Y
		3531	330929.3	6244409.2	6.8	22.3	4.1	2.7	SPIRE	4210.2	13.6 West	2.9	Light Pole	Nov 20	Y
		3533	330917.6	6244406.4	6.8	22.3	4.1	2.7	SPIRE	4210.2	25.7 West	2.9	Light Pole	Nov 20	Y
		3535	330905.4	6244403.5	6.8	22.2	4.1	2.7	SPIRE	4210.2	38.3 West	2.9	Light Pole	Nov 20	Y
		3537	330894.1	6244400.9	6.8	22.3	4.1	2.7	SPIRE	4210.2	49.8 West	2.9	Light Pole	Nov 20	Y
		3539	330881.8	6244398.0	6.8	22.3	4.1	2.7	SPIRE	4210.2	62.4 West	2.9	Light Pole	Nov 20	Y
12	18	3541	330870.2	6244395.4	7.0	23.1	4.1	3.0	SPIRE	4210.3	74.4 West	3.1	Light Pole	Nov 20	Y
		3543	330858.7	6244392.5	6.8	22.3	4.1	2.7	SPIRE	4210.1	86.2 West	2.9	Light Pole	Nov 20	Y
11	17	3545	330846.5	6244389.6	6.9	22.7	4.1	2.9	SPIRE	4210.1	98.8 West	3.0	Light Pole	Nov 20	Y
73	70	3577	330786.2	6245484.1	29.7	97.4	17.0	12.7	SPIRE	5289.4	92.8 East	2.2	Sewer Vent	Jan 21	N
	43	3581	330762.9	6244730.6	12.1	39.7	8.3	3.8	TERRN	4561.2	102.2 West	2.0	Natural Surface	Dec 15	Y
		3587	330477.5	6247404.9	47.4	155.5	40.3	7.1	TREE	7229.9	231.4 East	1.4	Pine Tree	Nov 18	N
		3589	330691.8	6247546.6	47.1	154.4	41.4	5.7	BLDG	7318.9	472.4 East	1.4	Tile roof of flats	Nov 18	N
		3591	330657.5	6247567.4	48.8	160.1	41.7	7.1	BLDG	7347.0	443.8 East	1.4	Brick wall at N of Building	Dec 15	N
		3607	329780.5	6248223.9	58.1	190.6	51.8	6.3	SPIRE	8186.6	259.9 West	1.4	Sewer Vent	Dec 15	N
		3609	330104.5	6248423.9	54.1	177.5	53.2	0.9	SPIRE	8307.2	101.2 East	1.2	Church Spire	Dec 15	N
		3615	329508.5	6248450.9	57.4	188.4	55.2	2.2	SPIRE	8469.8	472.8 West	1.3	Church Spire (Conc Brick)	Dec 15	N
		3619	330861.7	6246035.8	28.5	93.5	23.3	5.2	ANTEN	5809.2	292.4 East	1.5	Mobile Phone on Building	Nov 18	N

Chart No. (2020)	Chart No. (2019)	Reference Number (Surveyor ID No.)	Easting MGA94	Northing MGA94	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD metres	Pen. of Lowest Surveyed Slope (1.2%) metres	Type of Obstacle	Chainage relative to RWY Start metres	Offset from Centreline metres	Gradient to top of Obstacle (%)	Description	Date Last Visited	On Airport
					metres	(feet)									
		3623	330515.5	6245611.9	22.4	73.5	19.3	3.1	SPIRE	5475.7	141.6 West	1.4	El and Lt Pole	Dec 19	N
		3625	330579.1	6245668.1	23.7	77.8	19.7	4.0	SPIRE	5515.9	66.8 West	1.5	El and Lt Pole	Dec 19	N
		3635	330749.5	6245181.9	15.8	51.8	13.6	2.2	SPIRE	5003.6	12.1 West	1.4	El and Lt Pole	Dec 15	N
		3637	330741.3	6245274.9	18.4	60.5	14.7	3.7	SPIRE	5096.0	1.3 East	1.6	El and Lt Pole	Jan 18	N
		3639	330743.6	6245307.7	17.8	58.2	15.1	2.7	SPIRE	5127.5	11 East	1.5	El and Lt Pole	Nov 16	N
		3643	329543.5	6249215.9	73.7	241.8	64.0	9.7	SPIRE	9206.5	263.9 West	1.4	Church Spire	Nov 18	N
		3645	329593.5	6249220.9	71.9	236.1	63.9	8.0	ANTEN	9199.9	214 West	1.4	Lightning Conductor	Nov 18	N
60	57	3655	330647.3	6245141.7	24.1	78.9	13.4	10.6	SPIRE	4987.8	120.7 West	2.3	Sign	Mar 21	N
		3657	329631.9	6248360.1	60.9	199.7	53.8	7.1	BLDG	8353.2	373.5 West	1.4	Flat Conc Roof	Dec 15	N
		3659	329735.0	6248558.5	61.1	200.6	55.8	5.3	ANTEN	8522.7	227.7 West	1.3	TV Antenna	Dec 15	N
76	73	3665	330627.6	6247582.1	60.8	199.4	42.0	18.8	TREE	7368.1	418 East	1.8	Gum Tree	Mar 21	N
		3667	330649.5	6245215.9	23.9	78.4	14.3	9.6	SPIRE	5059.6	101.6 West	2.2	Elec Pole	Dec 20	N
71	68	3673	330728.2	6245416.7	28.6	93.8	16.4	12.2	BLDG	5237.1	20.9 East	2.2	Building	Dec 20	N
		3681	329700.0	6248179.1	62.1	203.7	51.5	10.6	TREE	8161.4	348.5 West	1.5	Silky Oak Tree	May 16	N
55		3687	330678.9	6245015.8	20.1	65.9	11.8	8.3	ANTEN	4858.1	118.8 West	2.2	TV Antenna	Dec 20	N
		3691	330689.4	6244988.3	18.2	59.7	11.5	6.7	BLDG	4828.9	114.8 West	2.1	Roof Pitch (G.I. Edge of conc.)	Nov 20	N
		3697	330957.7	6245095.7	19.0	62.2	12.0	6.9	SPIRE	4872.1	171 East	2.1	Elec Pole (Steel)	Dec 20	N
		3703	330948.2	6244901.4	13.2	43.3	9.8	3.4	SPIRE	4685.1	117.3 East	1.7	Elec Pole with Light	Nov 20	N
		3705	330973.7	6244909.9	14.7	48.2	9.8	4.9	SPIRE	4687.6	144 East	2.0	Elec Pole with Light	Nov 20	N
		3707	330931.9	6244944.9	13.9	45.7	10.3	3.6	SPIRE	4731.2	111.3 East	1.7	Elec Pole with Light	Nov 20	N
		3709	330908.7	6244934.8	13.4	43.9	10.3	3.1	SPIRE	4726.7	86.4 East	1.7	Elec Pole with Light	Nov 20	N
		3711	330870.0	6244966.8	13.9	45.7	10.8	3.2	SPIRE	4766.7	56.1 East	1.6	Elec Pole with Light	Nov 20	N
		3713	330833.4	6244998.1	13.9	45.7	11.2	2.7	SPIRE	4805.5	27.6 East	1.6	Elec Pole with Light	Dec 20	N
		3715	330796.5	6245031.1	13.8	45.4	11.7	2.1	SPIRE	4846.1	0.8 West	1.5	Elec Pole with Light	Nov 18	N
	46	3745	330727.9	6244760.1	13.0	42.7	8.7	4.3	TERRN	4597.9	129.5 West	2.0	Natural Surface	Dec 15	Y
		3747	330792.7	6244782.4	10.0	32.8	8.8	1.2	TERRN	4604.8	61.3 West	1.4	Natural Surface	Dec 15	Y
		3757	330974.8	6244275.2	3.4	11.2	2.4	1.0	ANTEN	4069.4	0 East	7.2	Antenna	Nov 20	Y
		3758	330294.6	6247814.6	57.8	189.7	45.6	12.2	TREE	7670.5	147 East	1.5	Tree	Nov 18	N
		3760	330201.5	6247925.2	57.4	188.3	47.1	10.3	TREE	7799.5	81.7 East	1.5	Tree	Nov 18	N
		3764	330291.9	6247954.1	59.6	195.4	47.2	12.3	TREE	7807.0	176.3 East	1.5	Tree	Nov 18	N
		3766	330580.1	6247781.7	59.4	194.8	44.4	15.0	TREE	7573.3	417.4 East	1.6	Tree	Nov 18	N
		3767	330926.4	6244367.3	4.6	15.1	3.6	1.0	SPIRE	4170.2	26.1 West	2.1	Obstruction Light (Lit 2/2)	Nov 20	Y
		3768	330622.5	6247757.3	61.2	200.8	44.0	17.2	TREE	7539.9	453.1 East	1.7	Tree	Mar 21	N
		3769	330977.2	6244379.7	4.6	15.1	3.6	1.0	SPIRE	4170.6	26.2 East	2.0	Obstruction Light (Lit 2/2)	Nov 20	Y
		3770	330407.2	6247649.6	54.1	177.5	43.4	10.7	TREE	7484.2	218.9 East	1.5	Tree	Nov 18	N
		3772	330589.0	6247692.2	54.8	179.7	43.4	11.4	TREE	7484.1	405.7 East	1.5	Tree	Nov 18	N
		3775	330704.1	6245315.0	23.3	76.5	15.3	8.1	SPIRE	5143.5	25.8 West	1.9	Sewer Vent	Dec 20	N
75	72	3778	330726.3	6247444.5	55.8	183.1	40.1	15.7	TREE	7211.6	482.7 East	1.7	Tree	Feb 20	N
		3779	330671.4	6245394.9	21.4	70.1	16.3	5.1	SPIRE	5228.8	39.3 West	1.6	Elec Pole	Nov 18	N
		3781	330639.3	6245455.8	19.9	65.2	17.1	2.8	SPIRE	5295.4	56.7 West	1.4	Elec Pole	Jan 18	N
		3783	330707.5	6245389.9	25.9	84.9	16.1	9.8	BLDG	5215.7	5.4 West	2.0	Chimney	Dec 20	N
		3785	330711.7	6245385.2	25.9	85.1	16.1	9.9	ANTEN	5210.1	2.4 West	2.1	Mast/Pylon	Dec 20	N
		3789	330790.4	6245519.4	27.7	91.0	17.4	10.3	BLDG	5322.8	105 East	2.0	Column with Vent Cover	Dec 20	N

Chart No. (2020)	Chart No. (2019)	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	(%)				
74	71	3793	330781.5	6246090.9	37.0	121.4	24.1	12.9	ANTEN	5881.2	226.9 East	1.9	Mobile Phone Tower	Nov 18	N
		3795	330170.0	6246371.6	30.3	99.4	29.1	1.2	TREE	6294.2	304.1 West	1.3	Norfolk Pine Tree	Nov 18	N
		3827	330392.7	6247836.6	51.8	170.1	45.6	6.3	ANTEN	7669.6	247.6 East	1.4	TV Antenna	Nov 18	N
		3829	330399.9	6247823.4	51.9	170.3	45.4	6.5	ANTEN	7655.0	251.6 East	1.4	TV Antenna	Nov 18	N
81	78	3831	329539.1	6247986.8	71.2	233.6	49.7	21.5	ANTEN	8010.9	549.1 West	1.7	Antenna on Building (White)	Jan 21	N
		3833	330836.7	6244385.6	5.7	18.8	4.1	1.7	MOVG	4208.5	109.2 West	2.3	Perimeter Road Crown (plus 3.6m)	Nov 20	Y
		3835	330943.1	6244410.2	5.7	18.6	4.0	1.6	MOVG	4208.1	0 East	2.2	Perimeter Road Crown (plus 3.6m)	Nov 19	Y
		3837	331049.3	6244435.3	5.7	18.8	4.0	1.7	MOVG	4208.2	109.1 East	2.3	Perimeter Road Crown (plus 3.6m)	Nov 19	Y
		3863	329948.1	6247717.4	58.3	191.3	45.4	12.9	TREE	7655.1	212.5 West	1.6	Tree	Nov 18	N
		3865	329725.7	6248098.2	61.0	200.0	50.5	10.5	TREE	8076.8	342 West	1.5	Tree	Nov 18	N
		3888	330744.8	6245236.8	19.9	65.4	14.2	5.7	ANTEN	5058.1	4.1 West	1.8	Mobile phone aerial	Dec 20	N
		3889	330742.1	6245238.8	20.6	67.5	14.3	6.3	ANTEN	5060.6	6.2 West	1.8	Mobile phone aerial	Dec 20	N
		3890	330744.4	6245240.8	18.1	59.4	14.3	3.8	ANTEN	5062.1	3.5 West	1.6	Mobile phone aerial	Nov 18	N
		3891	330760.1	6245257.9	20.5	67.4	14.5	6.1	ANTEN	5075.1	15.6 East	1.8	Mobile phone aerial	Dec 20	N
		3892	330762.1	6245260.1	20.7	67.8	14.5	6.2	ANTEN	5076.8	18.1 East	1.8	Mobile phone aerial	Dec 20	N
		3894	330761.3	6245253.9	19.0	62.2	14.4	4.6	BLDG	5071.0	15.9 East	1.7	Shed on Roof Princes Hwy	Dec 19	N
		3901	330711.9	6245434.9	28.4	93.3	16.7	11.8	SPIRE	5258.5	9.2 East	2.2	Sewer Vent on Railway Line	Dec 20	N
		3902	330626.6	6245444.3	28.5	93.7	17.0	11.6	TREE	5287.1	71.7 West	2.1	Tree	Dec 20	N
		3903	330617.0	6245454.5	21.4	70.2	17.1	4.3	BLDG	5299.2	78.7 West	1.5	Corner of building	Dec 19	N
		3904	330504.2	6245642.2	28.5	93.6	19.6	8.9	TREE	5507.8	145.6 West	1.8	Tree	Dec 20	N
		3907	329948.0	6247793.1	58.9	193.2	46.3	12.6	TREE	7728.9	195.3 West	1.5	Tree	Nov 18	N
54		3988	330659.6	6245005.3	19.4	63.8	11.8	7.7	BLDG	4852.3	139.9 West	2.2	Vent atop building	Nov 20	N
		3989	330603.8	6245123.5	21.9	72.0	13.3	8.6	SPIRE	4980.1	167.2 West	2.1	Light Pole	Dec 20	N
63	60	3991	330855.1	6245357.6	26.3	86.4	15.4	11.0	TREE	5150.5	131 East	2.2	Tree	Dec 19	N
		3996	330834.2	6244392.5	6.1	19.9	4.1	1.9	MOVG	4215.8	110.1 West	2.4	Road surface plus 4.3m as per RMS instructions (plus 4.3m)	Nov 20	Y
		3997	330941.3	6244417.7	6.1	19.9	4.1	1.9	MOVG	4215.8	0 East	2.4	Road surface plus 4.3m as per RMS instructions (plus 4.3m)	Nov 19	Y
		3998	331048.0	6244443.4	6.0	19.8	4.1	1.9	MOVG	4216.4	109.7 East	2.4	Road surface plus 4.3m as per RMS instructions (plus 4.3m)	Nov 19	Y
		4461	330688.0	6245049.7	19.6	64.4	12.2	7.4	TREE	4888.9	102.1 West	2.1	Tree	Nov 20	N
		4462	330627.5	6245072.9	19.7	64.7	12.7	7.1	BLDG	4925.4	155.7 West	2.0	SW corner 'The Good Guys' building	Dec 20	N
56		4463	330595.5	6245038.3	20.8	68.4	12.3	8.5	BLDG	4899.0	194.7 West	2.2	Vent on eastern side of Decathlon Sports Warehouse	Nov 20	N
		4465	330588.3	6245084.2	20.1	66.1	12.9	7.2	BLDG	4945.3	191.3 West	2.0	Air conditioning unit atop 'The Good Guy' building	Nov 20	N
66	63	4467	330617.9	6245353.7	26.8	88.0	16.0	10.9	TREE	5200.9	100.9 West	2.2	Tree	Dec 20	N
	53	4730	330960.3	6245016.1	16.6	54.6	11.1	5.6	BLDG	4794.0	155.3 East	2.0	Shipping container	Nov 20	N
	55	4731	330929.1	6245048.1	17.7	58.1	11.5	6.2	BLDG	4832.3	132.2 East	2.0	Shipping container	Nov 20	N
		4733	330881.5	6245130.2	20.3	66.7	12.6	7.7	BLDG	4923.0	104.7 East	2.1	Shipping container	Nov 20	N
50		4785	330683.9	6244956.7	19.9	65.2	11.1	8.7	TREE	4799.4	127.4 West	2.4	Tree	Nov 20	N
		4787	330713.3	6245403.3	24.6	80.7	16.3	8.3	SPIRE	5227.4	3.4 East	1.9	Flood Light	Dec 20	N
		4788	330644.1	6246185.9	37.2	122.2	25.6	11.6	ANTEN	6005.1	114.9 East	1.8	Mobile Phone Tower	Dec 20	N
		4789	330427.3	6247727.4	54.2	178.0	44.2	10.0	TREE	7555.3	256.2 East	1.5	Tree	Oct 18	N
48		4945	330748.1	6244960.1	17.9	58.9	11.0	6.9	TREE	4788.0	64 West	2.1	Tallest of a grove of trees	Nov 20	N
		5269	329740.2	6247669.8	54.7	179.3	45.4	9.2	BLDG	7656.4	425.7 West	1.5	House	Jul 19	N
		5270	329822.9	6247675.2	56.2	184.3	45.3	10.9	BLDG	7642.7	344 West	1.5	House	Jul 19	N
		5271	329724.1	6247743.3	57.5	188.8	46.3	11.2	BLDG	7731.6	424.7 West	1.5	House	Jul 19	N

Chart No. (2020)	Chart No. (2019)	Reference Number (Surveyor ID No.)	Easting MGA94	Northing MGA94	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD metres	Pen. of Lowest Surveyed Slope (1.2%) metres	Type of Obstacle	Chainage relative to RWY Start metres	Offset from Centreline metres	Gradient to top of Obstacle (%)	Description	Date Last Visited	On Airport
					metres	(feet)									
		5312	329658.7	6247605.4	56.1	184.1	44.9	11.2	TREE	7612.3	519.8 West	1.5	Tree	Jul 19	N
		5313	329709.4	6247669.7	64.1	210.4	45.5	18.6	TREE	7663.3	455.8 West	1.7	Tree	Mar 21	N
		5314	329734.9	6247613.3	57.2	187.7	44.8	12.4	TREE	7602.6	443.9 West	1.6	Tree	Jul 19	N
		5315	329838.9	6247586.7	55.8	183.2	44.2	11.6	TREE	7552.9	348.7 West	1.5	Tree	Jul 19	N
		5316	329780.3	6247634.3	60.2	197.5	44.9	15.3	TREE	7612.6	394.9 West	1.6	Tree	Jul 19	N
		5317	329836.9	6247629.8	56.0	183.7	44.7	11.3	TREE	7595.3	340.8 West	1.5	Tree	Jul 19	N
		5318	329811.9	6247751.8	59.9	196.6	46.2	13.7	TREE	7719.8	337.2 West	1.6	Tree	Jul 19	N
		5319	329869.9	6247811.6	57.5	188.6	46.7	10.8	TREE	7764.8	267.1 West	1.5	Tree	Jul 19	N
		5320	329987.8	6247831.1	58.8	193.0	46.6	12.2	TREE	7756.8	147.9 West	1.5	Tree	Jul 19	N
		5321	329949.8	6247825.2	60.4	198.2	46.7	13.7	TREE	7759.7	186.2 West	1.6	Tree	Jul 19	N
	26	5419	330818.1	6244524.9	8.7	28.4	5.7	2.9	TREE	4348.3	95.4 West	2.2	Shrub	Dec 20	Y
23	32	5422	330774.4	6244586.3	12.6	41.4	6.6	6.0	TREE	4418.1	123.9 West	2.9	Shrub	Nov 20	Y
24	28	5423	330794.9	6244596.5	12.6	41.5	6.6	6.0	TREE	4423.4	101.6 West	2.8	Shrub	Nov 20	Y
21	29	5424	330802.8	6244578.3	12.0	39.5	6.4	5.6	TREE	4403.8	98.1 West	2.8	Shrub	Nov 20	Y
	31	5425	330838.7	6244573.7	9.9	32.6	6.2	3.7	TREE	4391.1	64.2 West	2.3	Shrub	Dec 20	Y
20	33	5430	330771.8	6244565.1	11.9	39.2	6.3	5.6	TREE	4398.1	131.3 West	2.8	Shrub	Nov 20	Y
29	36	5433	330752.6	6244619.7	13.6	44.7	7.0	6.6	TREE	4455.6	137.6 West	2.8	Shrub	Mar 21	Y
1		5469	330891.8	6244238.7	2.7	9.0	2.2	0.6	SPIRE	4052.9	89.1 West	142.6	Frangible bollard	Feb 20	Y
		5471	330959.7	6244522.9	7.1	23.4	5.3	1.8	SPIRE	4314.0	42 East	1.9	Floodlight	Nov 20	Y
		5472	330992.7	6244598.6	8.5	28.0	6.1	2.4	SPIRE	4380.1	91.4 East	1.9	Floodlight	Dec 20	Y
27	35	5475	330784.1	6244612.5	12.8	41.9	6.8	5.9	TREE	4441.4	108.5 West	2.7	Shrub	Nov 20	Y
32	39	5476	330779.8	6244684.7	13.5	44.4	7.7	5.8	TREE	4512.7	96.2 West	2.5	Shrub	Nov 20	Y
42	48	5477	330799.1	6244787.6	14.9	48.8	8.9	6.0	TREE	4608.4	53.8 West	2.3	Shrub	Nov 20	Y
		5478	330811.0	6245456.5	26.1	85.6	16.6	9.4	TREE	5256.9	110.7 East	2.0	Palm Tree	Dec 20	N
		5479	330702.2	6245382.6	26.5	86.8	16.1	10.4	TREE	5209.8	12.1 West	2.1	Tree	Dec 20	N
		5480	330637.6	6245550.5	29.7	97.3	18.2	11.5	TREE	5388.0	36.6 West	2.1	Tree	Dec 20	N
		5481	330641.6	6245652.3	30.4	99.7	19.4	11.0	TREE	5486.3	9.5 West	2.0	Tree	Dec 20	N
47		5801	330752.5	6244960.1	17.2	56.5	11.0	6.2	TREE	4787.0	59.8 West	2.1	Tree	Nov 20	N
		5802	330757.9	6244965.7	16.6	54.5	11.0	5.6	TREE	4791.3	53.3 West	2.0	Tree	Nov 20	N
		5803	330778.2	6244867.6	13.4	43.9	9.8	3.5	TREE	4691.0	56 West	1.8	Tree	Nov 20	N
		5804	330781.0	6244838.6	14.1	46.2	9.5	4.6	MOVG	4662.2	59.9 West	2.0	Road surface	Nov 20	N
		5805	330790.8	6244821.8	13.6	44.7	9.3	4.4	TREE	4643.6	54.1 West	1.9	Shrub	Dec 20	Y
		5806	330797.4	6244829.2	13.9	45.7	9.3	4.6	TREE	4649.2	46 West	2.0	Shrub	Dec 20	Y
		5807	330798.5	6244763.6	13.2	43.3	8.6	4.6	TREE	4585.2	59.9 West	2.1	Shrub	Nov 20	Y
35		5808	330813.6	6244716.3	13.6	44.5	8.0	5.6	TREE	4535.7	56.1 West	2.4	Shrub	Nov 20	Y
25		5809	330844.6	6244609.3	10.9	35.9	6.6	4.3	TREE	4424.4	50.3 West	2.4	Shrub	Dec 20	Y
26		5847	330806.1	6244609.5	12.7	41.7	6.8	6.0	TREE	4433.4	87.7 West	2.8	Shrub	Nov 20	Y
33		5849	330744.5	6244683.2	14.1	46.2	7.8	6.3	TREE	4519.2	130.9 West	2.6	Shrub	Nov 20	Y
36		5850	330803.1	6244722.4	13.7	45.0	8.1	5.6	TREE	4544.1	64.9 West	2.3	Palm Tree	Nov 20	Y
40		5851	330786.7	6244769.8	15.1	49.5	8.7	6.4	TREE	4593.9	70.1 West	2.4	Shrub	Nov 20	Y
		5852	330748.1	6244841.2	15.2	49.8	9.6	5.6	TREE	4672.2	91.3 West	2.1	Tree	Nov 20	N
52		5883	330706.4	6244970.1	18.5	60.6	11.2	7.2	TREE	4807.3	102.4 West	2.2	Tree	Feb 21	N
		5884	330727.1	6244986.1	17.2	56.4	11.4	5.8	TREE	4818.1	78.6 West	2.0	Tree	Feb 21	N

Chart No. (2020)	Chart No. (2019)	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)									
		5885	330736.5	6244994.9	17.0	55.7	11.4	5.5	TREE	4824.6	67.4 West	1.9	Tree	Feb 21	N
		5886	330827.7	6245163.9	20.4	67.0	13.2	7.2	BLDG	4968.2	60 East	2.0	Shipping container	Feb 21	N
		5887	330750.2	6245229.7	22.5	73.7	14.1	8.3	ANTEN	5049.9	0.4 West	2.0	Aerial atop building	Feb 21	N
		5888	330682.4	6245412.8	25.4	83.4	16.5	8.9	SPIRE	5243.7	24.6 West	2.0	Floodlight	Feb 21	N
		5889	330703.3	6245423.4	26.5	86.9	16.5	10.0	SPIRE	5249.3	1.8 West	2.0	Floodlight	Feb 21	N
		5890	330691.2	6245437.2	26.3	86.4	16.7	9.6	SPIRE	5265.5	10.4 West	2.0	Floodlight	Feb 21	N
		5891	330677.0	6245453.4	25.6	84.1	17.0	8.7	SPIRE	5284.5	20.5 West	1.9	Floodlight	Feb 21	N
		5892	330656.2	6245510.5	27.9	91.5	17.7	10.2	TREE	5344.8	27.7 West	2.0	Tree	Feb 21	N
		9434	330728.2	6245054.6	13.4	44.1	12.2	1.3	MOVG	4884.6	61.8 West	1.4	Road Crown (plus 4.6m)	Dec 15	N
		9439	330687.0	6245068.0	16.2	53.2	12.4	3.8	MOVG	4907.0	98.9 West	1.6	Road Crown (plus 4.6m)	Dec 15	N
		9445	330660.6	6245094.9	16.9	55.5	12.8	4.1	MOVG	4939.3	118.5 West	1.7	Road Crown (plus 4.6m)	Dec 15	N
		9447	330646.2	6245111.0	17.1	56.1	13.0	4.0	MOVG	4958.2	128.8 West	1.7	Road Crown (plus 4.6m)	Dec 15	N
		9449	330713.2	6245065.7	15.2	49.8	12.3	2.8	MOVG	4898.8	73.9 West	1.5	Road Crown (plus 4.6m)	Dec 15	N
		9455	330716.5	6245063.9	14.9	48.8	12.3	2.6	MOVG	4896.3	71.1 West	1.5	Road Crown (plus 4.6m)	Dec 15	N
		9456	330771.7	6244834.3	14.9	48.9	9.5	5.4	MOVG	4660.1	69.9 West	2.1	Road Crown (plus 4.6m)	Nov 20	N
		9461	330680.0	6245072.5	16.5	54.2	12.5	4.0	MOVG	4913.0	104.7 West	1.7	Road Crown (plus 4.6m)	Dec 15	N
		9462	330673.7	6245079.6	16.8	55.0	12.6	4.2	MOVG	4921.4	109.2 West	1.7	Road Crown (plus 4.6m)	Dec 15	N
		9463	330695.4	6245065.9	15.8	51.8	12.4	3.4	MOVG	4903.1	91.2 West	1.6	Road Crown (plus 4.6m)	Dec 15	N
		9467	330639.6	6245118.5	17.1	56.1	13.2	3.9	MOVG	4967.0	133.5 West	1.6	Road Crown (plus 4.6m)	Dec 15	N
		9477	330653.2	6245102.9	17.0	55.9	12.9	4.1	MOVG	4948.7	123.8 West	1.7	Road Crown (plus 4.6m)	Dec 15	N
41	47	9481	330697.9	6244761.2	17.0	55.7	8.8	8.1	MOVG	4605.8	158.4 West	2.7	Road Crown (plus 4.6m)	Nov 20	N
		9482	330667.6	6245086.7	16.8	55.2	12.7	4.1	MOVG	4929.7	113.5 West	1.7	Road Crown (plus 4.6m)	Dec 15	N
		9486	330741.7	6245038.4	12.5	40.9	11.9	0.5	MOVG	4865.7	52.4 West	1.3	Road Crown (plus 4.6m)	Dec 15	N
		9487	330704.0	6245065.7	15.4	50.6	12.4	3.1	MOVG	4900.8	82.9 West	1.6	Road Crown (plus 4.6m)	Dec 15	N
		9488	330735.3	6245046.0	13.0	42.5	12.0	0.9	MOVG	4874.5	56.9 West	1.3	Road Crown (plus 4.6m)	Dec 15	N
		9491	330723.0	6245059.3	14.1	46.4	12.2	1.9	MOVG	4890.3	65.8 West	1.4	Road Crown (plus 4.6m)	Dec 15	N
		9494	330814.0	6244874.6	10.4	34.1	9.8	0.6	MOVG	4689.7	19.5 West	1.3	Road Crown (plus 4.6m)	Dec 15	N
53		9518	330684.1	6244994.9	18.8	61.7	11.6	7.2	BLDG	4836.5	118.4 West	2.1	Vent atop building	Nov 20	N

* Obstacle penetrates <0.05m.

**SYDNEY (KINGSFORD-SMITH) AIRPORT, AUSTRALIA
AERONAUTICAL INFORMATION PUBLICATION
AERODROME OBSTACLE CHART (DECEMBER 2020)
ICAO ANNEX 4 TYPE A (OPERATING LIMITATIONS)
(34L TAKE OFF)**

(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 210304.red

Sydney Kingsford-Smith Airport 34L Take Off						
Mid-point	of origin	Runway Bearing	Height at	Runway	Chainage	Height at
<u>Easting</u>	<u>Northing</u>		Chainage 00	Length	at Origin	Origin
(MGA94)		(Deg Min Sec)	(m) (ft)	(metres)	(metres)	(m) (ft)
330978.635	6244258.731	346° 47' 03"	4.278 (14.0)	3962.5	4052.5	2.180 (7.2)

EXPLANATION OF SPECIFIC TERMS

Chart No.	Chart Identification Number, shown on the respective Type A Chart for the current year, denoting <u>only</u> 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. (2020)	Chart No. (2019)	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										
1		5469	330891.8	6244238.7	2.7	9.0	2.2	0.6	SPIRE	4052.9	89.1 West	142.6	Frangible bollard	Feb 20	Y
2		2968	330977.6	6244263.3	4.2	13.9	2.2	2.0	SPIRE	4057.2	0 East	44.0	HIAL	Nov 20	Y
3	5	2969	330959.1	6244289.7	4.7	15.5	2.6	2.1	SPIRE	4087.1	12 West	7.3	HIAL	Nov 20	Y
4	6	2971	330982.4	6244295.2	4.7	15.5	2.6	2.1	SPIRE	4087.2	12.1 East	7.4	HIAL	Nov 20	Y
5	11	2975	330957.0	6244350.9	5.7	18.8	3.3	2.4	SPIRE	4147.2	0 East	3.7	HIAL	Nov 20	Y
6	12	2977	330968.6	6244353.7	5.7	18.8	3.3	2.4	SPIRE	4147.3	12 East	3.8	HIAL	Nov 20	Y
7	14	2578	330895.2	6244363.8	5.9	19.2	3.6	2.2	ANTEN	4173.8	57.2 West	3.0	Far field monitor mast	Nov 20	Y
8	15	2580	330950.7	6244376.9	6.0	19.5	3.6	2.3	ANTEN	4173.9	0.2 West	3.1	Far Field monitor mast (lit)	Nov 20	Y
9	16	2980	330949.7	6244382.2	6.5	21.3	3.7	2.8	SPIRE	4179.3	0 East	3.4	HIAL	Nov 20	Y
10		3517	331012.4	6244428.6	6.8	22.2	4.1	2.7	SPIRE	4210.1	71.7 East	2.9	Light Pole	Nov 20	Y
11	17	3545	330846.5	6244389.6	6.9	22.7	4.1	2.9	SPIRE	4210.1	98.8 West	3.0	Light Pole	Nov 20	Y
12	18	3541	330870.2	6244395.4	7.0	23.1	4.1	3.0	SPIRE	4210.3	74.4 West	3.1	Light Pole	Nov 20	Y
13	19	2981	330942.2	6244413.9	7.1	23.3	4.1	3.0	SPIRE	4211.8	0 East	3.1	HIAL	Nov 20	Y
14	20	3000	330935.0	6244444.7	7.5	24.6	4.5	3.0	SPIRE	4243.5	0 East	2.8	HIAL	Nov 20	Y
15	21	2982	330927.6	6244476.3	8.0	26.2	4.9	3.1	SPIRE	4275.9	0 East	2.6	HIAL	Nov 20	N
16	22	2983	330921.2	6244503.0	8.5	27.9	5.2	3.3	SPIRE	4303.5	0 East	2.5	HIAL	Nov 20	Y
17	24	2984	330914.9	6244530.0	9.0	29.6	5.5	3.5	SPIRE	4331.2	0 East	2.5	HIAL	Nov 20	Y
18	27	2985	330908.6	6244557.0	9.4	31.0	5.9	3.6	SPIRE	4358.9	0 East	2.4	HIAL	Nov 20	Y
19	30	2986	330902.3	6244584.1	9.9	32.5	6.2	3.7	SPIRE	4386.7	0 East	2.3	HIAL	Nov 20	Y
20	33	5430	330771.8	6244565.1	11.9	39.2	6.3	5.6	TREE	4398.1	131.3 West	2.8	Shrub	Nov 20	Y
21	29	5424	330802.8	6244578.3	12.0	39.5	6.4	5.6	TREE	4403.8	98.1 West	2.8	Shrub	Nov 20	Y
22	34	2987	330895.9	6244611.0	10.3	33.8	6.5	3.8	SPIRE	4414.4	0 East	2.2	HIAL	Nov 20	Y
23	32	5422	330774.4	6244586.3	12.6	41.4	6.6	6.0	TREE	4418.1	123.9 West	2.9	Shrub	Nov 20	Y
24	28	5423	330794.9	6244596.5	12.6	41.5	6.6	6.0	TREE	4423.4	101.6 West	2.8	Shrub	Nov 20	Y
25		5809	330844.6	6244609.3	10.9	35.9	6.6	4.3	TREE	4424.4	50.3 West	2.4	Shrub	Dec 20	Y
26		5847	330806.1	6244609.5	12.7	41.7	6.8	6.0	TREE	4433.4	87.7 West	2.8	Shrub	Nov 20	Y
27	35	5475	330784.1	6244612.5	12.8	41.9	6.8	5.9	TREE	4441.4	108.5 West	2.7	Shrub	Nov 20	Y
28	37	2988	330889.6	6244638.0	10.7	35.2	6.9	3.9	SPIRE	4442.1	0.1 East	2.2	HIAL	Nov 20	Y
29	36	5433	330752.6	6244619.7	13.6	44.7	7.0	6.6	TREE	4455.6	137.6 West	2.8	Shrub	Mar 21	Y
30	38	2989	330883.3	6244664.7	11.2	36.8	7.2	4.0	SPIRE	4469.5	0 East	2.2	HIAL	Nov 20	Y
31	40	2990	330876.8	6244691.9	11.7	38.5	7.5	4.2	SPIRE	4497.5	0.1 West	2.2	HIAL	Dec 20	Y
32	39	5476	330779.8	6244684.7	13.5	44.4	7.7	5.8	TREE	4512.7	96.2 West	2.5	Shrub	Nov 20	Y
33		5849	330744.5	6244683.2	14.1	46.2	7.8	6.3	TREE	4519.2	130.9 West	2.6	Shrub	Nov 20	Y
34	41	2991	330870.6	6244719.0	12.3	40.2	7.9	4.4	SPIRE	4525.3	0 East	2.1	HIAL	Dec 20	Y
35		5808	330813.6	6244716.3	13.6	44.5	8.0	5.6	TREE	4535.7	56.1 West	2.4	Shrub	Nov 20	Y
36		5850	330803.1	6244722.4	13.7	45.0	8.1	5.6	TREE	4544.1	64.9 West	2.3	Palm Tree	Nov 20	Y
37	42	2992	330864.2	6244746.0	12.7	41.7	8.2	4.5	SPIRE	4553.0	0 East	2.1	HIAL	Dec 20	Y
38		2993	330857.9	6244773.0	13.1	43.1	8.5	4.6	SPIRE	4580.8	0 East	2.1	HIAL	Dec 20	Y
39		5807	330798.5	6244763.6	13.2	43.3	8.6	4.6	TREE	4585.2	59.9 West	2.1	Shrub	Nov 20	Y
40		5851	330786.7	6244769.8	15.1	49.5	8.7	6.4	TREE	4593.9	70.1 West	2.4	Shrub	Nov 20	Y
41	47	9481	330697.9	6244761.2	17.0	55.7	8.8	8.1	MOVG	4605.8	158.4 West	2.7	Road Crown (plus 4.6m)	Nov 20	N

Chart No. (2020)	Chart No. (2019)	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)									
42	48	5477	330799.1	6244787.6	14.9	48.8	8.9	6.0	TREE	4608.4	53.8 West	2.3	Shrub	Nov 20	Y
43		2994	330851.5	6244800.0	13.7	44.9	8.9	4.8	SPIRE	4608.5	0 East	2.1	HIAL	Dec 20	Y
44	50	3414	330714.3	6244782.3	15.0	49.2	9.0	6.0	SPIRE	4622.6	137.7 West	2.3	Traffic sign	Nov 20	N
45	51	3292	330743.9	6244795.2	15.2	49.7	9.1	6.1	SPIRE	4628.5	105.9 West	2.3	Traffic Sign	Nov 20	Y
46		3411	330743.5	6244796.1	15.2	50.0	9.1	6.1	SPIRE	4629.4	106 West	2.3	Traffic sign	Nov 20	Y
47		5801	330752.5	6244960.1	17.2	56.5	11.0	6.2	TREE	4787.0	59.8 West	2.1	Tree	Nov 20	N
48		4945	330748.1	6244960.1	17.9	58.9	11.0	6.9	TREE	4788.0	64 West	2.1	Tallest of a grove of trees	Nov 20	N
49		2100	330692.7	6244950.4	17.9	58.7	11.0	6.8	SPIRE	4791.2	120.2 West	2.1	Vent	Nov 20	N
50		4785	330683.9	6244956.7	19.9	65.2	11.1	8.7	TREE	4799.4	127.4 West	2.4	Tree	Nov 20	N
51		2102	330677.9	6244957.1	18.1	59.3	11.2	6.9	SPIRE	4801.2	133.1 West	2.1	Vent	Nov 20	N
52		5883	330706.4	6244970.1	18.5	60.6	11.2	7.2	TREE	4807.3	102.4 West	2.2	Tree	Feb 21	N
53		9518	330684.1	6244994.9	18.8	61.7	11.6	7.2	BLDG	4836.5	118.4 West	2.1	Vent atop building	Nov 20	N
54		3988	330659.6	6245005.3	19.4	63.8	11.8	7.7	BLDG	4852.3	139.9 West	2.2	Vent atop building	Nov 20	N
55		3687	330678.9	6245015.8	20.1	65.9	11.8	8.3	ANTEN	4858.1	118.8 West	2.2	TV Antenna	Dec 20	N
56		4463	330595.5	6245038.3	20.8	68.4	12.3	8.5	BLDG	4899.0	194.7 West	2.2	Vent on eastern side of Decathlon Sports Warehouse	Nov 20	N
57	56	3077	330670.1	6245100.1	24.1	79.1	12.9	11.3	TREE	4942.2	108 West	2.5	Palm Tree	Feb 21	N
58		3423	330624.8	6245125.9	22.4	73.4	13.3	9.1	TREE	4977.6	146.2 West	2.2	Tree	Dec 20	N
59		1229	330579.5	6245117.6	22.1	72.4	13.3	8.8	SPIRE	4979.8	192.2 West	2.1	LIGHT POLE	Dec 20	N
60	57	3655	330647.3	6245141.7	24.1	78.9	13.4	10.6	SPIRE	4987.8	120.7 West	2.3	Sign	Mar 21	N
61	58	1226	330607.5	6245214.0	28.2	92.5	14.4	13.8	TREE	5067.3	142.9 West	2.6	TREE	Mar 21	N
62	59	3430	330688.9	6245311.7	28.0	92.0	15.3	12.8	TREE	5143.8	41.3 West	2.4	Tree	Mar 21	N
63	60	3991	330855.1	6245357.6	26.3	86.4	15.4	11.0	TREE	5150.5	131 East	2.2	Tree	Dec 19	N
64	61	3431	330646.2	6245318.9	27.5	90.3	15.5	12.0	TREE	5160.6	81.2 West	2.3	Tree	Mar 21	N
65	62	3432	330641.4	6245335.1	26.5	86.9	15.7	10.8	TREE	5177.4	82.3 West	2.2	Tree	Dec 19	N
66	63	4467	330617.9	6245353.7	26.8	88.0	16.0	10.9	TREE	5200.9	100.9 West	2.2	Tree	Dec 20	N
67	64	3433	330626.3	6245359.5	29.3	96.1	16.0	13.3	TREE	5204.6	91.3 West	2.4	Tree	Mar 21	N
68	65	3435	330656.4	6245371.5	27.2	89.1	16.1	11.1	TREE	5209.5	59.3 West	2.2	Tree	Dec 20	N
69	66	3436	330626.5	6245368.0	29.0	95.0	16.1	12.9	TREE	5212.9	89.2 West	2.3	Tree	Mar 21	N
70	67	3033	330721.1	6245402.1	29.1	95.6	16.2	12.9	TREE	5224.5	10.7 East	2.3	Palm Tree	Mar 21	N
71	68	3673	330728.2	6245416.7	28.6	93.8	16.4	12.2	BLDG	5237.1	20.9 East	2.2	Building	Dec 20	N
72	69	3032	330596.2	6245406.3	30.6	100.3	16.6	13.9	TREE	5257.1	109.9 West	2.4	Tree	Mar 21	N
73	70	3577	330786.2	6245484.1	29.7	97.4	17.0	12.7	SPIRE	5289.4	92.8 East	2.2	Sewer Vent	Jan 21	N
74	71	3793	330781.5	6246090.9	37.0	121.4	24.1	12.9	ANTEN	5881.2	226.9 East	1.9	Mobile Phone Tower	Nov 18	N
75	72	3778	330726.3	6247444.5	55.8	183.1	40.1	15.7	TREE	7211.6	482.7 East	1.7	Tree	Feb 20	N
76	73	3665	330627.6	6247582.1	60.8	199.4	42.0	18.8	TREE	7368.1	418 East	1.8	Gum Tree	Mar 21	N
77	74	1798	330653.4	6247743.0	63.0	206.7	43.8	19.2	TREE	7518.9	480 East	1.8	Tree - Norfolk	Mar 21	N
78	75	3449	330032.1	6247615.7	64.8	212.5	44.0	20.8	ANTEN	7536.9	154 West	1.8	Lightning Rod	Mar 21	N
79	76	3443	329618.2	6247740.2	69.5	227.9	46.6	22.9	TREE	7752.8	528.5 West	1.8	Gum Tree Group	Mar 21	N
80	77	3459	329612.2	6247971.2	70.3	230.7	49.3	21.0	SPIRE	7979.0	481.5 West	1.7	Flag Pole on Clock Tower	Mar 21	N
81	78	3831	329539.1	6247986.8	71.2	233.6	49.7	21.5	ANTEN	8010.9	549.1 West	1.7	Antenna on Building (White)	Jan 21	N

* Obstacle penetrates <0.05m.

**SYDNEY (KINGSFORD-SMITH) AIRPORT, AUSTRALIA
AERONAUTICAL INFORMATION PUBLICATION
AERODROME OBSTACLE CHART (DECEMBER 2020)
ICAO ANNEX 4 TYPE A (OPERATING LIMITATIONS)
(34L TAKE OFF)**

(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 210304.red

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)
330978.635	6244258.731	346° 47' 03"	4.278 (14.0)	3962.5	4052.5	2.180 (7.2)

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 - 2020 Survey)														
Chart No. (2020)	Chart No. (2019)	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	
					metres	(feet)	metres	metres		metres	metres	metres		metres
59		1229	330579.5	6245117.6	22.1	72.4	13.3	8.8	SPIRE	4979.8	192.2 West	2.1	LIGHT POLE	
49		2100	330692.7	6244950.4	17.9	58.7	11.0	6.8	SPIRE	4791.2	120.2 West	2.1	Vent	
51		2102	330677.9	6244957.1	18.1	59.3	11.2	6.9	SPIRE	4801.2	133.1 West	2.1	Vent	
38		2993	330857.9	6244773.0	13.1	43.1	8.5	4.6	SPIRE	4580.8	0 East	2.1	HIAL	
43		2994	330851.5	6244800.0	13.7	44.9	8.9	4.8	SPIRE	4608.5	0 East	2.1	HIAL	
46		3411	330743.5	6244796.1	15.2	50.0	9.1	6.1	SPIRE	4629.4	106 West	2.3	Traffic sign	
58		3423	330624.8	6245125.9	22.4	73.4	13.3	9.1	TREE	4977.6	146.2 West	2.2	Tree	
10		3517	331012.4	6244428.6	6.8	22.2	4.1	2.7	SPIRE	4210.1	71.7 East	2.9	Light Pole	
55		3687	330678.9	6245015.8	20.1	65.9	11.8	8.3	ANTEN	4858.1	118.8 West	2.2	TV Antenna	
54		3988	330659.6	6245005.3	19.4	63.8	11.8	7.7	BLDG	4852.3	139.9 West	2.2	Vent atop building	
56		4463	330595.5	6245038.3	20.8	68.4	12.3	8.5	BLDG	4899.0	194.7 West	2.2	Vent on eastern side of Decathlon Sports Warehouse	
50		4785	330683.9	6244956.7	19.9	65.2	11.1	8.7	TREE	4799.4	127.4 West	2.4	Tree	
48		4945	330748.1	6244960.1	17.9	58.9	11.0	6.9	TREE	4788.0	64 West	2.1	Tallest of a grove of trees	
47		5801	330752.5	6244960.1	17.2	56.5	11.0	6.2	TREE	4787.0	59.8 West	2.1	Tree	
39		5807	330798.5	6244763.6	13.2	43.3	8.6	4.6	TREE	4585.2	59.9 West	2.1	Shrub	
35		5808	330813.6	6244716.3	13.6	44.5	8.0	5.6	TREE	4535.7	56.1 West	2.4	Shrub	
25		5809	330844.6	6244609.3	10.9	35.9	6.6	4.3	TREE	4424.4	50.3 West	2.4	Shrub	
26		5847	330806.1	6244609.5	12.7	41.7	6.8	6.0	TREE	4433.4	87.7 West	2.8	Shrub	
33		5849	330744.5	6244683.2	14.1	46.2	7.8	6.3	TREE	4519.2	130.9 West	2.6	Shrub	
36		5850	330803.1	6244722.4	13.7	45.0	8.1	5.6	TREE	4544.1	64.9 West	2.3	Palm Tree	
40		5851	330786.7	6244769.8	15.1	49.5	8.7	6.4	TREE	4593.9	70.1 West	2.4	Shrub	
52		5883	330706.4	6244970.1	18.5	60.6	11.2	7.2	TREE	4807.3	102.4 West	2.2	Tree	
53		9518	330684.1	6244994.9	18.8	61.7	11.6	7.2	BLDG	4836.5	118.4 West	2.1	Vent atop building	

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 - 2019 Survey)														
Chart No. (2020)	Chart No. (2019)	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	
					metres	(feet)	metres	metres		metres	metres	metres		metres
	3	2967	330989.3	6244266.1	4.2	13.8	2.2	2.0	SPIRE	4057.2	12.1 East	42.8	HIAL	
	4	2966	330965.8	6244260.6	4.2	13.8	2.2	2.0	SPIRE	4057.2	12 West	43.1	HIAL	
	7	2970	330970.8	6244292.5	4.7	15.4	2.6	2.1	SPIRE	4087.2	0 East	7.4	HIAL	
	8	2974	330975.5	6244324.4	5.2	17.1	3.0	2.3	SPIRE	4117.2	12 East	4.7	HIAL	
	9	2972	330963.9	6244321.7	5.2	17.1	3.0	2.3	SPIRE	4117.2	0.1 East	4.7	HIAL	
	10	2973	330952.2	6244319.0	5.2	17.1	3.0	2.3	SPIRE	4117.2	12 West	4.7	HIAL	
	13	2976	330945.3	6244348.3	5.7	18.7	3.3	2.4	SPIRE	4147.3	12 West	3.7	HIAL	
	23	4758	330864.8	6244513.5	8.8	28.9	5.5	3.3	TREE	4326.5	52.6 West	2.4	Shrub	
	25	4757	330864.6	6244528.1	8.9	29.2	5.6	3.3	TREE	4340.8	49.4 West	2.3	Shrub	
	26	5419	330807.4	6244518.0	9.3	30.5	5.7	3.6	TREE	4344.1	107.5 West	2.5	Shrub	
	31	5425	330838.7	6244572.5	10.6	34.8	6.2	4.4	TREE	4389.9	64.5 West	2.5	Shrub	
	43	3581	330762.9	6244730.6	12.1	39.7	8.3	3.8	TERRN	4561.2	102.2 West	2.0	Natural Surface	
	44	4726	330774.2	6244756.9	15.2	49.9	8.6	6.6	TREE	4584.2	85.1 West	2.5	Palm Tree	
	45	5418	330732.4	6244749.3	15.8	51.8	8.6	7.3	TREE	4586.4	127.5 West	2.6	Shrub	
	46	3745	330727.9	6244760.1	13.0	42.7	8.7	4.3	TERRN	4597.9	129.5 West	2.0	Natural Surface	
	49	3413	330747.4	6244789.4	13.8	45.3	9.0	4.8	LINES	4621.9	103.8 West	2.0	Fence	
	52	3963	330720.7	6244797.4	17.0	55.8	9.2	7.8	SPIRE	4635.9	128 West	2.5	Floodlight	
	53	4730	330963.9	6245012.6	19.5	64.0	11.0	8.5	BLDG	4789.8	158 East	2.4	Shipping container	
	54	3422	330956.0	6245052.1	20.1	65.9	11.5	8.6	BLDG	4830.1	159.3 East	2.3	Container	
	55	4731	330927.1	6245049.9	20.7	67.9	11.6	9.1	BLDG	4834.5	130.7 East	2.4	Shipping container	

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.