

**SYDNEY (KINGSFORD-SMITH) AIRPORT, AUSTRALIA**  
**AERONAUTICAL INFORMATION PUBLICATION**  
**AERODROME OBSTACLE CHART (DECEMBER 2020)**  
**ICAO ANNEX 4 TYPE A (OPERATING LIMITATIONS)**  
**( 25 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

<b>Sydney Kingsford-Smith Airport      25 Take Off</b>						
<b>Mid-point</b>	<b>of origin</b>	<b>Runway Bearing</b>	<b>Height at</b>	<b>Runway</b>	<b>Chainage</b>	<b>Height at</b>
<u>Easting</u>	<u>Northing</u>		<b>Chainage 00</b>	<b>Length</b>	<b>at Origin</b>	<b>Origin</b>
<b>(MGA94)</b>		<b>(Deg Min Sec)</b>	<b>(m) (ft)</b>	<b>(metres)</b>	<b>(metres)</b>	<b>(m) (ft)</b>
330234.385	6242544.516	253° 10' 55"	5.997 (19.7)	2529.9	2590.9	5.920 (19.4)

**EXPLANATION OF SPECIFIC TERMS**

<b>Chart No.</b>	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.
<b>Reference Number</b>	Surveyor Identification Number - A unique sequential number allocated during surveys to identify an obstacle. This number does not change.
<b>Type of Obstacle</b>	ICAO Identification as displayed on Type A Chart and shown on that chart's legend.
<b>Description</b>	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)									
		318	328122.0	6241662.9	47.0	154.2	33.2	13.8	SPIRE	4867.1	232.7 South	1.8	Vent	Nov 18	N
		320	328241.2	6241778.9	39.1	128.3	31.5	7.6	TREE	4719.4	156.2 South	1.6	Tree	Nov 18	N
		322	327790.4	6241402.1	54.9	180.0	38.0	16.9	ANTEN	5259.9	386.4 South	1.8	Antenna	Nov 18	N
61	56	324	327829.1	6242101.4	55.6	182.4	35.1	20.5	TREE	5020.6	271.7 North	2.0	Tree	Mar 21	N
		328	326912.1	6241910.8	65.9	216.1	46.3	19.6	SPIRE	5953.4	354.6 North	1.8	Vent	Nov 18	N
		338	324726.5	6240115.4	102.9	337.7	77.6	25.3	BLDG	8565.0	731.6 South	1.6	Building	Feb 18	N
		442	324580.1	6240187.3	93.9	308.1	79.1	14.8	SPIRE	8684.4	620.4 South	1.4	White Vent	Dec 13	N
		448	326449.8	6241498.5	74.8	245.4	53.0	21.8	TREE	6515.3	93.7 North	1.8	Gum	Jul 19	N
		458	328155.8	6241629.0	49.1	161.1	33.0	16.1	BLDG	4844.5	275 South	1.9	Building	Jan 18	N
		460	326991.4	6241470.5	62.3	204.3	46.9	15.4	TREE	6004.9	89.7 South	1.7	Gum	Jul 19	N
		462	326892.2	6241245.5	55.7	182.6	48.8	6.8	TREE	6165.0	276.5 South	1.4	Tree	Jul 19	N
		466	326936.0	6241258.3	57.0	186.9	48.3	8.7	TREE	6119.4	276.9 South	1.5	Tree	Jul 19	N
	1	586	330250.4	6242488.0	6.3	20.7	5.9	0.4	SPIRE	2590.9	58.8 South	38.6	Gable Marker	Nov 20	Y
		652	328120.0	6241695.7	48.0	157.5	33.2	14.8	BLDG	4859.5	200.8 South	1.9	Vent atop block of Units	Nov 18	N
36	34	706	329058.5	6242075.8	28.3	92.7	21.1	7.2	TREE	3851.1	108.4 South	1.8	Norfolk Tree	Dec 20	N
		722	327989.7	6241493.6	48.6	159.3	35.4	13.2	ANTEN	5042.6	356.5 South	1.7	Aerial atop apartment block	Nov 18	N
		728	326897.6	6241773.5	69.7	228.7	46.9	22.8	TREE	6007.1	227.4 North	1.9	Gum Tree	Nov 18	N
		730	326775.8	6241245.1	53.4	175.3	50.2	3.3	ANTEN	6276.5	243.1 South	1.3	Aerial	Jul 19	N
		732	325527.7	6240581.8	88.3	289.8	66.8	21.5	TREE	7663.2	517 South	1.6	Gum Tree	Nov 18	N
		734	325448.9	6240516.7	79.5	261.0	67.9	11.6	TREE	7757.5	556.5 South	1.4	Gum Tree	Nov 08	N
		1180	326892.5	6242002.9	56.0	183.8	46.2	9.8	SPIRE	5945.6	448.4 North	1.5	Obstruction Light atop apartment block (lit)	Nov 18	N
		1224	326990.6	6242053.2	59.8	196.3	44.9	14.9	ANTEN	5837.1	468.2 North	1.7	MAST/PYLON	Nov 18	N
74	70	1227	326990.9	6242076.0	65.5	214.7	44.8	20.6	ANTEN	5830.3	490 North	1.8	MAST/PYLON	Nov 18	N
		1658	330112.1	6242552.8	7.5	24.6	7.3	0.2	BLDG	2704.6	43.3 North	1.4	RWY 25 RESA Northern Concrete Safety Barrier	Nov 20	Y
5	6	1670	330200.4	6242481.8	8.0	26.4	6.5	1.5	LINES	2640.6	50.2 South	4.2	RWY 25 RESA Southern Safety Barrier (Western End)	Mar 21	Y
6	7	1700	330142.5	6242496.6	8.7	28.5	7.1	1.5	SPIRE	2691.7	19.3 South	2.7	RWY 25 Localiser southern Obstruction Light (lit)	Nov 20	Y
7	8	1702	330131.3	6242533.6	8.7	28.5	7.1	1.6	SPIRE	2691.7	19.3 North	2.7	RWY 25 Localiser northern Obstruction Light (lit)	Nov 20	Y
59	55	1707	328112.2	6241628.2	51.3	168.3	33.5	17.8	ANTEN	4886.5	263.1 South	2.0	Aerial atop building	Nov 18	N
		1709	329770.1	6242495.7	12.7	41.7	11.4	1.3	SPIRE	3048.5	87.6 North	1.5	Flood Light	Nov 18	N
		1710	329739.5	6242497.6	12.8	41.9	11.8	1.0	SPIRE	3077.2	98.2 North	1.4	Flood Light	Nov 17	N
		1713	330135.6	6242560.0	7.2	23.7	7.0	0.2	BLDG	2680.0	43.4 North	1.5	RWY 25 RESA Northern Concrete Safety Barrier	Nov 20	Y
58	54	1784	328135.3	6241579.3	50.6	166.2	33.4	17.3	SPIRE	4878.5	316.6 South	2.0	Satellite dish atop building	Nov 18	N
68	64	1785	327095.9	6242035.6	68.4	224.4	43.7	24.7	TREE	5741.4	421 North	2.0	Tree	Mar 21	N
4	5	1787	330238.0	6242492.3	7.7	25.3	6.1	1.7	LINES	2601.6	51 South	15.4	Railing (lit)	Mar 21	Y
		1789	330134.7	6242561.4	7.7	25.4	7.0	0.7	LINES	2680.5	45 North	2.0	Railing	Nov 20	Y
44	40	1814	328556.5	6241915.8	39.5	129.5	27.4	12.1	TREE	4378.0	116.3 South	1.9	Palm Tree	Dec 20	N
45	41	1815	328560.3	6241895.5	38.3	125.7	27.4	10.9	TREE	4380.2	136.9 South	1.8	Palm Tree	Dec 20	N
43	39	1816	328538.9	6241976.6	34.8	114.0	27.4	7.4	BLDG	4377.2	53 South	1.6	BLDG	Dec 20	N
48	44	1817	328479.6	6242017.7	38.1	125.0	27.9	10.2	BLDG	4422.1	3.4 North	1.8	BLDG	Nov 18	N
		1818	326392.5	6241582.0	75.0	246.1	53.4	21.6	TREE	6546.0	190.2 North	1.8	TREE	Jul 19	N
		1968	327362.5	6242111.7	55.7	182.6	40.4	15.2	TREE	5464.2	416.6 North	1.7	Tree	Jul 19	N

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					MGA94																
					metres	(feet)				metres	metres	metres				metres	(%)				
		1975	326267.6	6241883.6	70.5	231.4	53.8	16.8	TREE	6578.3	515 North	1.6	Tree	Nov 18	N						
		1977	324942.2	6241074.7	77.2	253.3	71.8	5.4	TREE	8081.0	124.3 North	1.3	North Folk Pine tree	Nov 18	N						
		1978	325560.4	6241283.5	73.8	242.2	64.0	9.8	TREE	7428.9	145.2 North	1.4	Tree	Dec 13	N						
		1979	325590.0	6241318.5	74.7	245.1	63.5	11.2	TREE	7390.4	170.2 North	1.4	Tree	Dec 13	N						
		1981	325780.2	6241050.5	75.2	246.6	62.3	12.9	TREE	7285.9	141.3 South	1.5	Tree	Nov 18	N						
		1982	325599.6	6240855.2	84.4	276.8	65.0	19.4	TREE	7515.2	276.1 South	1.6	Tree	Nov 18	N						
		2000	325639.2	6240871.0	73.2	240.1	64.5	8.7	BLDG	7472.8	272.4 South	1.4	Apex of roof	Dec 13	N						
		2015	326187.5	6241829.9	67.0	219.8	54.9	12.1	TREE	6670.5	486.9 North	1.5	Pine Tree	Jul 19	N						
		2017	326242.5	6241721.9	73.0	239.5	54.6	18.4	TREE	6649.1	367.6 North	1.7	Pine Tree	Jul 19	N						
		2019	326187.5	6241683.9	70.7	232.0	55.4	15.3	TREE	6712.8	347.1 North	1.6	Pine Tree	Jul 19	N						
		2023	326289.5	6241448.9	63.0	206.7	55.0	8.0	BLDG	6683.1	92.7 North	1.4	Tile Roof	Jul 19	N						
		2027	326144.5	6241651.9	66.3	217.6	56.0	10.3	TREE	6763.2	328.9 North	1.5	Gum Tree	Jul 19	N						
		2029	326130.5	6241641.9	65.0	213.3	56.2	8.8	TREE	6779.5	323.4 North	1.4	Pine Tree	Jul 19	N						
		2031	326147.5	6241579.9	63.7	209.0	56.2	7.5	SPIRE	6781.2	259.1 North	1.4	Elec Pole with OH trans	May 16	N						
70	66	2039	327148.5	6241822.9	68.8	225.7	43.9	24.9	TREE	5752.7	202.1 North	2.0	Norfolk Pine Tree	Mar 21	N						
69	65	2041	327151.5	6241816.9	66.7	218.8	43.9	22.8	TREE	5751.5	195.5 North	1.9	Norfolk Pine Tree	Feb 20	N						
		2052	327235.0	6242028.0	55.1	180.8	42.2	12.9	BLDG	5610.5	373.4 North	1.6	Apex of house	Jul 19	N						
73	69	2053	327026.1	6242062.4	77.0	252.6	44.4	32.6	TREE	5800.5	466.7 North	2.2	Norfolk Pine Tree	Mar 21	N						
		2061	326961.7	6242000.2	61.5	201.8	45.4	16.1	BLDG	5880.1	425.8 North	1.7	Building	Nov 18	N						
		2067	327032.5	6242057.9	61.9	203.1	44.4	17.5	BLDG	5795.7	460.6 North	1.8	School - N end Building	May 16	N						
		2069	327070.5	6242014.9	61.9	203.1	44.1	17.8	BLDG	5771.8	408.5 North	1.8	School - S end Building	May 16	N						
		2071	327165.5	6241897.9	59.8	196.2	43.4	16.4	BLDG	5714.7	269 North	1.7	Building	Nov 18	N						
		2075	326911.8	6241673.2	62.4	204.7	47.1	15.3	BLDG	6022.5	127.3 North	1.7	White Gable on Tile Roof	Jul 19	N						
		2077	326847.7	6241725.5	61.8	202.8	47.7	14.1	ANTEN	6068.7	195.9 North	1.6	Church Bell Tower	Jul 19	N						
		2079	326950.3	6241979.8	61.5	201.8	45.6	15.9	SPIRE	5897.0	409.6 North	1.7	Sewer Vent	Nov 18	N						
		2095	326723.5	6241601.9	64.1	210.3	49.5	14.6	BLDG	6223.4	113.5 North	1.6	Conc. edge of roof	Oct 18	N						
		2097	326710.5	6241618.9	64.1	210.3	49.6	14.5	BLDG	6231.0	133.6 North	1.6	Conc. edge of roof	Oct 18	N						
78	73	2101	326564.5	6241734.9	77.0	252.6	50.9	26.1	BLDG	6337.1	286.9 North	1.9	Church Spire	Feb 20	N						
		2105	326388.5	6241451.9	68.3	224.1	53.9	14.4	SPIRE	6587.5	66.9 North	1.6	Sewer Vent	Jul 19	N						
		2109	326321.5	6241175.9	61.0	200.1	55.6	5.4	SPIRE	6731.5	177.9 South	1.3	Sewer Vent	Jul 19	N						
		2111	326217.5	6241258.9	62.6	205.4	56.5	6.1	SPIRE	6807.0	68.4 South	1.3	Elec Pole	Jul 19	N						
		2113	326203.5	6241312.9	62.8	206.0	56.5	6.3	SPIRE	6804.8	12.6 South	1.4	El and Lt Pole	Jul 19	N						
		2115	326206.5	6241333.9	61.6	202.1	56.4	5.2	SPIRE	6795.9	6.6 North	1.3	Elec Pole	Jul 19	N						
		2117	326241.5	6241418.9	62.2	204.1	55.7	6.5	SPIRE	6737.8	77.8 North	1.4	Elec Pole	Jul 19	N						
		2119	326263.5	6241439.9	64.3	211.0	55.4	8.9	SPIRE	6710.6	91.6 North	1.4	El and Lt Pole	Jul 19	N						
		2121	326345.5	6241478.9	65.4	214.6	54.3	11.1	SPIRE	6620.9	105.2 North	1.5	Elec Pole no light	Jul 19	N						
		2123	326388.5	6241480.9	66.1	216.9	53.8	12.3	SPIRE	6579.1	94.6 North	1.5	Elec Pole	Jul 19	N						
		2125	326541.5	6241525.9	69.6	228.3	51.9	17.7	SPIRE	6419.6	93.4 North	1.7	El and Lt Pole	Nov 18	N						
		2127	326509.5	6241503.9	73.5	241.1	52.3	21.2	SPIRE	6456.6	81.6 North	1.8	El and Lt Pole	Jul 19	N						
		2129	326485.5	6241486.9	71.2	233.6	52.7	18.5	SPIRE	6484.5	72.3 North	1.7	El and Lt Pole	Jul 19	N						
		2131	326466.5	6241473.9	70.8	232.3	52.9	17.9	SPIRE	6506.5	65.4 North	1.7	Elec Pole	Jul 19	N						

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					MGA94																
					metres	(feet)				metres	metres	(%)									
		2133	326441.5	6241454.9	68.4	224.4	53.3	15.1	SPIRE	6535.9	54.4 North	1.6	El and Lt Pole	Jul 19	N						
		2135	326416.5	6241435.9	67.0	219.8	53.6	13.4	SPIRE	6565.3	43.5 North	1.5	Elec Pole	Jul 19	N						
		2137	326426.5	6241474.9	67.9	222.8	53.4	14.5	SPIRE	6544.5	77.9 North	1.6	El and Lt Pole	Jul 19	N						
		2139	326339.5	6241354.9	62.2	204.1	54.8	7.4	SPIRE	6662.5	11.8 South	1.4	Elec Pole	Jul 19	N						
		2141	326326.5	6241307.9	59.8	196.2	55.1	4.7	SPIRE	6688.5	53 South	1.3	Elec Pole	Jul 19	N						
		2143	326314.5	6241263.9	57.8	189.6	55.4	2.4	SPIRE	6712.7	91.7 South	1.3	Elec Pole	Jul 19	N						
		2145	326288.5	6241165.9	61.5	201.8	56.0	5.5	SPIRE	6766.0	178 South	1.3	Elec Pole	Jul 19	N						
		2147	326346.5	6241383.9	64.6	211.9	54.6	10.0	SPIRE	6647.4	13.9 North	1.5	Elec Pole	Jul 19	N						
		2149	326303.5	6241218.9	60.4	198.2	55.7	4.7	SPIRE	6736.3	131.6 South	1.3	Elec Pole	Jul 19	N						
		2151	326422.5	6241066.9	58.1	190.6	54.8	3.3	SPIRE	6666.3	311.5 South	1.3	Elec Pole with Transformer	Jul 19	N						
		2153	326387.5	6241112.9	58.9	193.2	55.1	3.8	SPIRE	6686.5	257.3 South	1.3	Elec Pole	Jul 19	N						
		2155	326344.5	6241171.9	59.5	195.2	55.4	4.1	SPIRE	6710.6	188.4 South	1.3	Elec Pole	Jul 19	N						
		2157	326280.5	6241131.9	61.8	202.8	56.2	5.6	SPIRE	6783.5	208.2 South	1.3	Elec Pole	Jul 19	N						
		2159	326208.5	6241696.9	64.6	211.9	55.1	9.5	TREE	6688.9	353.5 North	1.4	Pine Tree	Jul 19	N						
62	57	2165	327641.5	6241713.9	58.0	190.3	38.6	19.4	TREE	5312.3	44.9 South	1.9	Pine Tree	Nov 18	N						
		2167	327550.5	6241801.9	53.6	175.9	39.3	14.3	SPIRE	5373.9	65.7 North	1.7	Sewer Vent	Nov 18	N						
		2169	327557.5	6241821.9	53.1	174.2	39.2	13.9	SPIRE	5361.4	82.8 North	1.7	Sewer Vent	Nov 18	N						
77	72	2179	326679.7	6241616.0	85.5	280.5	50.0	35.5	TREE	6261.2	139.7 North	2.2	Norfolk Pine Tree	Mar 21	N						
		2183	327273.5	6241352.9	56.8	186.3	44.1	12.7	TREE	5769.0	283.9 South	1.6	Palm Tree	Jul 19	N						
34	32	2185	329448.9	6242219.9	22.2	72.8	16.1	6.1	SPIRE	3435.8	83.4 South	1.9	Flood Light Pole	Nov 20	N						
32	30	2233	329552.2	6242219.6	20.1	65.8	14.9	5.2	SPIRE	3337.0	113.6 South	1.9	Flood Light Pole	Nov 20	N						
		2235	328985.3	6241972.5	23.4	76.8	22.3	1.1	SPIRE	3951.1	186.1 South	1.3	Elec Pole + Light	Dec 20	N						
		2239	328517.5	6242212.9	27.0	88.6	26.8	0.2	SPIRE	4329.4	179.3 North	1.2	Elec Pole	Nov 08	N						
		2243	328463.5	6242219.9	30.0	98.5	27.4	2.6	SPIRE	4379.0	201.7 North	1.4	Elec Pole	Nov 08	N						
50	46	2247	328463.5	6241999.2	39.0	128.0	28.2	10.9	SPIRE	4442.8	9.6 South	1.8	Elec Pole	Nov 18	N						
54	50	2249	328430.0	6242054.5	43.1	141.3	28.3	14.7	SPIRE	4458.9	53 North	2.0	Sewer Vent	Nov 18	N						
		2252	326423.6	6241634.1	76.1	249.7	52.9	23.2	TREE	6501.1	231 North	1.8	Tree at front of property	Jul 19	N						
		2253	328233.9	6241583.0	45.3	148.6	32.2	13.0	SPIRE	4783.0	341.6 South	1.8	Sewer Vent	Nov 18	N						
		2255	327733.6	6241731.7	49.3	161.8	37.5	11.9	BLDG	5219.0	54.5 South	1.7	Building	Nov 18	N						
		2256	326503.8	6241607.3	71.8	235.4	52.0	19.7	TREE	6432.2	182.2 North	1.7	Tree at rear of property	Jul 19	N						
		2257	327707.7	6241713.9	49.5	162.3	37.8	11.7	BLDG	5248.8	64.1 South	1.6	Building	Nov 18	N						
		2258	326420.4	6241665.1	63.5	208.3	52.8	10.7	BLDG	6495.3	261.8 North	1.5	roof	Jul 19	N						
		2259	327653.5	6241816.9	49.7	163.1	38.1	11.6	SPIRE	5271.0	50.3 North	1.6	Sewer Vent	Nov 18	N						
		2260	326589.8	6241756.3	71.2	233.6	50.5	20.7	TREE	6306.7	300 North	1.8	Tree at rear of property	Nov 18	N						
		2261	327668.2	6241678.2	50.7	166.4	38.4	12.3	SPIRE	5297.0	86.8 South	1.7	Pole	Nov 18	N						
		2262	326462.0	6241720.6	65.4	214.7	52.1	13.3	TREE	6439.4	302.8 North	1.6	Tree	May 16	N						
		2264	326605.0	6241677.3	66.0	216.4	50.6	15.3	TREE	6315.0	220 North	1.6	Tree at front of property	Nov 18	N						
		2266	326607.5	6241662.2	67.2	220.6	50.6	16.6	TREE	6317.0	204.8 North	1.7	Tree at front of property	Nov 18	N						
		2268	326619.6	6241662.0	65.9	216.3	50.5	15.4	TREE	6305.5	201.1 North	1.6	Tree at front of property	Nov 18	N						
		2270	326242.3	6241913.3	67.5	221.6	54.0	13.6	TREE	6593.9	550.8 North	1.5	Tree at rear of property	Nov 18	N						
		2271	326281.0	6241519.6	71.8	235.4	54.9	16.9	TREE	6670.8	162.8 North	1.6	Tree at rear of property	Jul 19	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
					MGA94										
					metres	(feet)				metres	metres	(%)			
		2275	326031.5	6240604.9	86.1	282.6	60.9	25.2	TREE	7174.3	640.6 South	1.8	Norfolk Pine Tree	Jul 19	N
		2277	325688.5	6240863.9	80.0	262.5	64.0	16.0	SPIRE	7427.7	293.4 South	1.5	Elec Pole	Nov 18	N
		2279	329551.1	6242471.1	15.7	51.3	14.0	1.6	SPIRE	3265.2	127.4 North	1.4	Floodlight	Dec 20	N
		2283	325643.5	6240446.9	79.5	260.7	65.9	13.5	ANTEN	7591.4	679.6 South	1.5	Cross on Church	Dec 13	N
		2284	325637.8	6240798.6	81.5	267.4	64.8	16.7	TREE	7495.1	341.3 South	1.5	Tree	Nov 18	N
		2285	325625.5	6240494.9	80.2	263.0	66.0	14.2	ANTEN	7594.8	628.4 South	1.5	Antenna	Oct 12	N
		2287	325631.0	6240409.0	79.3	260.2	66.2	13.1	SPIRE	7614.3	712.3 South	1.5	El and Lt Pole	Nov 18	N
		2290	329013.8	6242099.8	23.9	78.4	21.5	2.4	TREE	3887.0	72.5 South	1.4	Fir Tree	Dec 20	N
		2293	324109.8	6240216.6	122.8	402.9	84.4	38.5	BLDG	9126.1	456.4 South	1.8	Antenna atop tile roofed flats	Mar 21	N
		2297	324633.2	6240175.3	90.0	295.4	78.5	11.5	BLDG	8637.1	647.2 South	1.4	Tan Brick Building	Oct 03	N
		2299	324569.3	6240055.9	108.5	356.0	79.6	28.9	ANTEN	8732.8	743.1 South	1.7	Radio Mast	Mar 21	N
		2301	324568.0	6240055.4	96.6	316.9	79.7	16.9	BLDG	8734.2	743.2 South	1.5	Building	Dec 13	N
		2302	324522.5	6240158.8	106.1	348.2	79.8	26.3	BLDG	8747.8	631 South	1.6	Apartment Block	Nov 18	N
		2304	330128.5	6242578.7	7.0	23.1	7.0	0.0	LINES	2681.4	63.4 North	1.2	Railing	Nov 20	Y
		2305	324571.0	6240239.9	93.3	306.2	79.0	14.4	BLDG	8677.9	567.4 South	1.4	TV Antenna atop brick building	Dec 13	N
		2309	324751.5	6240107.9	96.6	316.9	77.4	19.2	ANTEN	8543.3	746 South	1.5	Mast/Pylon atop building	Nov 18	N
		2315	326222.3	6241707.1	66.3	217.5	54.9	11.4	TREE	6672.8	359.3 North	1.5	Stringy Bark Tree	Jul 19	N
		2317	324145.1	6240173.9	92.2	302.5	84.1	8.1	BLDG	9104.7	507.4 South	1.3	Block of Flats	Dec 13	N
		2319	323974.5	6240146.9	119.4	391.6	86.2	33.2	BLDG	9275.8	483.9 South	1.7	Antenna atop building	Mar 21	N
		2323	323962.5	6239979.9	96.8	317.6	86.9	9.9	TREE	9335.6	640.2 South	1.4	Norfolk Pine Tree	Nov 18	N
		2325	323703.5	6239868.9	96.5	316.6	90.2	6.3	ANTEN	9615.7	671.6 South	1.3	Trig	Nov 18	N
		2327	323709.5	6239874.9	94.3	309.4	90.1	4.2	BLDG	9608.2	667.5 South	1.3	Reservoir	Nov 18	N
		2329	323656.5	6239837.9	98.9	324.5	90.9	8.0	ANTEN	9669.6	687.6 South	1.3	Antenna	Nov 18	N
		2331	323650.5	6239831.9	93.9	308.1	91.0	2.9	BLDG	9677.1	691.6 South	1.2	Reservoir	Nov 18	N
71	67	2341	327127.3	6241853.8	63.6	208.7	44.0	19.6	TREE	5764.0	237.8 North	1.8	Gum Tree	Nov 18	N
		2345	327277.5	6241866.9	56.4	185.0	42.2	14.2	SPIRE	5616.5	206.9 North	1.7	Elec Pole	Jul 19	N
		2347	327313.5	6241894.9	55.4	181.8	41.7	13.7	SPIRE	5573.9	223.3 North	1.7	Elec Pole	Jul 19	N
	61	2349	327167.5	6242087.9	60.7	199.1	42.7	18.0	SPIRE	5657.8	450.3 North	1.8	Elec Pole	Jul 19	N
		2351	327193.5	6242053.9	58.5	191.9	42.6	15.9	SPIRE	5642.8	410.2 North	1.7	Elec Pole	Jul 19	N
		2353	327237.5	6241994.9	57.5	188.6	42.3	15.2	SPIRE	5617.7	341 North	1.7	Elec Pole	Jul 19	N
		2355	327283.5	6241934.9	57.8	189.6	41.9	15.9	SPIRE	5591.0	270.3 North	1.7	Elec Pole	Jul 19	N
		2357	327249.5	6241909.9	57.9	190.0	42.4	15.5	SPIRE	5630.8	256.2 North	1.7	Sewer Vent	Jul 19	N
		2363	327162.5	6242016.9	61.5	201.8	43.0	18.5	SPIRE	5683.1	383.8 North	1.8	Sewer Vent	Jul 19	N
66	62	2365	327176.5	6241989.9	61.8	202.8	43.0	18.8	SPIRE	5677.5	353.9 North	1.8	Sewer Vent	Nov 18	N
		2371	330090.7	6242584.5	8.6	28.2	7.4	1.2	LINES	2715.9	79.9 North	2.1	Razer wire atop Airside Fence	Nov 20	N
9	9	2373	330085.5	6242575.9	8.8	28.8	7.5	1.2	LINES	2723.4	73.1 North	2.1	Airside Fence (lit)	Nov 20	N
		2411	325603.6	6240466.0	86.3	283.2	66.3	20.0	TREE	7624.1	649.8 South	1.6	Gum Tree	Dec 13	N
		2413	325607.8	6240460.1	91.0	298.6	66.3	24.7	TREE	7621.8	656.6 South	1.7	Gum Tree	Nov 18	N
		2415	329630.2	6242471.0	13.9	45.5	13.1	0.8	SPIRE	3189.5	104.5 North	1.3	Flood Light Pole	Dec 20	N
		2451	329030.1	6242090.7	22.2	72.7	21.3	0.8	SPIRE	3874.0	86 South	1.3	Elec Pole	Dec 20	N
2	3	2464	330243.6	6242500.4	7.0	23.0	6.0	1.1	SPIRE	2593.9	44.9 South	27.8	Unserviceable red and white cone	Mar 21	Y

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					MGA94																
					metres	(feet)				metres	metres	(%)									
3	4	2466	330238.2	6242498.7	7.1	23.2	6.0	1.0	SPIRE	2599.6	45 South	12.0	Unserviceable red and white cone	Nov 20	Y						
		2468	330235.5	6242497.9	7.1	23.3	6.1	1.0	SPIRE	2602.4	45 South	9.6	Unserviceable red and white cone	Nov 20	Y						
		2472	330215.9	6242587.3	6.2	20.2	6.0	0.2	SPIRE	2595.2	46.3 North	4.8	Bollard	Nov 20	Y						
		2473	328584.8	6241834.9	30.2	99.1	27.3	2.9	SPIRE	4374.3	202 South	1.4	Sewer Vent	Dec 20	N						
		2474	330187.8	6242578.9	6.8	22.4	6.3	0.5	SPIRE	2624.6	46.4 North	2.6	Bollard	Nov 20	Y						
39	36	2475	328635.2	6242186.9	32.3	106.0	25.5	6.8	TREE	4224.2	120.3 North	1.6	Gum Tree	Dec 20	N						
		2476	330161.4	6242571.0	7.1	23.3	6.7	0.4	SPIRE	2652.1	46.4 North	1.9	Bollard	Nov 20	Y						
47	43	2477	328442.6	6242164.5	36.2	118.8	27.8	8.4	SPIRE	4415.0	154.7 North	1.7	Sewer Vent	Nov 18	N						
52	48	2479	328453.3	6242001.3	43.0	140.9	28.3	14.7	TREE	4452.0	4.7 South	2.0	Pine Tree	Nov 18	N						
		2481	328459.7	6241948.5	36.1	118.4	28.4	7.7	SPIRE	4461.1	57.1 South	1.6	El and Lt Pole ( old pole + new Pole )	Dec 20	N						
		2483	328472.9	6241836.9	34.7	114.0	28.6	6.1	SPIRE	4480.9	167.7 South	1.5	Sewer Vent	Dec 20	N						
		2487	328383.1	6241748.5	39.9	131.0	29.9	10.0	SPIRE	4592.4	226.3 South	1.7	Sewer Vent	Nov 18	N						
		2489	328334.0	6241827.0	33.5	109.9	30.2	3.2	SPIRE	4616.6	137 South	1.4	Sewer Vent	Jan 18	N						
		2491	328361.5	6241741.5	41.0	134.6	30.2	10.8	SPIRE	4615.0	226.8 South	1.7	Sewer Vent	Nov 18	N						
		2493	328354.4	6241702.5	37.8	124.2	30.4	7.4	SPIRE	4633.1	262.1 South	1.6	Elec Pole	Nov 18	N						
19	19	2494	329837.8	6242522.9	14.4	47.2	10.6	3.8	TREE	2975.8	94.1 North	2.2	Tree	Nov 20	N						
30	28	2496	329512.9	6242460.7	19.6	64.3	14.5	5.1	TREE	3304.8	128.5 North	1.9	Tree	Nov 20	N						
		2497	327366.5	6241397.9	46.6	152.9	42.8	3.8	SPIRE	5667.0	267.8 South	1.3	Elec Pole	Mar 08	N						
35	33	2498	329327.0	6242474.8	23.3	76.4	16.6	6.7	TREE	3478.7	195.8 North	2.0	Tree	Nov 20	N						
		2499	327398.5	6241418.9	46.1	151.2	42.4	3.7	SPIRE	5630.2	256.9 South	1.3	Elec Pole	Mar 08	N						
37	35	2500	328824.4	6241898.9	32.1	105.5	24.4	7.8	TREE	4126.4	210 South	1.7	Tree	Dec 20	N						
		2501	327424.5	6241457.9	48.3	158.5	42.0	6.3	ANTEN	5594.1	227.1 South	1.4	Mast/Pylon	Mar 08	N						
40	37	2502	328693.8	6241921.0	32.5	106.5	25.8	6.7	TREE	4245.1	151 South	1.6	Tree	Dec 20	N						
		2503	327455.5	6241448.9	50.0	164.0	41.6	8.3	SPIRE	5567.0	244.7 South	1.5	Sewer Vent	Dec 13	N						
49	45	2504	328523.1	6241805.9	41.8	137.2	28.1	13.7	TREE	4441.8	211.9 South	1.9	Tree	Dec 20	N						
		2505	327452.5	6241402.9	45.4	148.9	41.8	3.6	SPIRE	5583.2	287.9 South	1.3	Elec Pole	Mar 08	N						
		2506	328281.6	6241718.5	43.8	143.6	31.2	12.5	TREE	4698.2	225.6 South	1.8	Tree	Nov 18	N						
		2509	327426.5	6241440.9	47.5	155.8	42.0	5.5	SPIRE	5597.1	244 South	1.4	Elec Pole	Mar 08	N						
		2511	327644.3	6241638.9	44.4	145.7	38.8	5.6	ANTEN	5331.3	117.5 South	1.4	TV Antenna	Nov 18	N						
63	58	2517	327450.1	6241801.5	59.4	194.9	40.5	18.9	TREE	5470.1	94.4 North	1.9	Tree	Nov 18	N						
		2519	327473.5	6241790.9	55.2	181.1	40.3	14.9	SPIRE	5450.8	77.5 North	1.7	Sewer Vent	Oct 04	N						
		2595	328960.6	6241909.9	24.5	80.5	22.8	1.8	SPIRE	3992.9	238.9 South	1.3	Elec Pole	Dec 20	N						
		2597	328973.7	6241941.3	23.0	75.5	22.5	0.5	SPIRE	3971.2	212.6 South	1.2	Elec Pole	Dec 20	N						
		2609	326239.5	6241169.9	65.4	214.6	56.6	8.8	TREE	6811.7	159.9 South	1.4	Pine Tree	Mar 08	N						
		2613	326273.5	6241092.9	62.4	204.7	56.5	5.9	SPIRE	6801.5	243.5 South	1.3	Elec Pole	Jul 19	N						
		2617	327037.1	6241966.2	61.5	201.8	44.7	16.9	SPIRE	5817.8	371.5 North	1.7	Elec Pole	May 16	N						
		2841	330157.7	6242595.9	7.5	24.7	6.6	0.9	ANTEN	2648.5	71.3 North	2.8	Aerial atop Localiser Power Shed	Nov 20	Y						
		2861	329118.7	6242421.6	20.9	68.4	19.2	1.7	TREE	3693.4	205.1 North	1.4	Needle Pine	Dec 20	N						
65	60	2868	327242.7	6242070.0	61.6	202.0	41.9	19.6	TREE	5591.0	411.4 North	1.9	Gum Tree	Jul 19	N						
64	59	2869	327265.2	6242107.7	66.5	218.2	41.5	25.0	TREE	5558.5	441 North	2.0	Norfolk Island Pine	Mar 21	N						
		2870	327278.8	6241973.7	54.7	179.6	41.9	12.9	BLDG	5584.3	308.7 North	1.6	Chimney	May 16	N						

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					MGA94										
					metres	(feet)				metres	(%)				
		2871	327275.4	6241964.8	55.7	182.9	41.9	13.8	BLDG	5590.1	301.2 North	1.7	Chimney	Jul 19	N
72	68	2872	327102.0	6241917.8	64.0	210.0	44.1	19.9	TREE	5769.7	306.4 North	1.8	Gum Tree	Nov 18	N
		2875	324693.5	6240083.9	114.9	377.1	78.1	36.8	BLDG	8605.7	752.2 South	1.8	Lightning Rod	Mar 21	N
79	74	2882	324864.1	6240063.9	126.1	413.6	76.2	49.8	BLDG	8448.2	820.8 South	2.1	Aerial NE Side Park Plaza Units	Mar 21	N
		2884	329473.9	6242490.9	17.0	55.6	14.8	2.1	SPIRE	3333.5	168.7 North	1.5	Sporting field flood light	Dec 20	N
		3039	324663.0	6240254.0	100.0	328.1	77.9	22.1	BLDG	8585.8	580.5 South	1.6	Orange wall atop building	Nov 18	N
	2	3040	330244.3	6242500.9	6.6	21.5	6.0	0.6	MOVG	2593.1	44.7 South	20.7	Concrete pavement (RESA)	Nov 20	Y
		3042	330135.6	6242495.4	7.2	23.8	7.2	0.0	MOVG	2698.7	18.4 South	1.2	Concrete pavement (RESA)	Nov 20	Y
21	21	3046	329853.4	6242326.8	14.0	45.8	11.1	2.9	TREE	3017.7	98.1 South	1.9	Tree	Nov 20	N
31	29	3051	329502.4	6242420.2	21.2	69.5	14.8	6.4	TREE	3326.6	92.8 North	2.1	Tree	Nov 20	N
		3053	328944.7	6241934.4	25.7	84.3	22.9	2.8	TREE	4001.0	210.9 South	1.4	Tree	Dec 20	N
		3054	328427.0	6241741.6	40.6	133.3	29.5	11.2	TREE	4552.3	245.6 South	1.8	Tree	Nov 18	N
55	51	3177	328448.4	6241987.0	43.5	142.6	28.4	15.1	TREE	4460.8	16.9 South	2.0	Tree	Dec 20	N
		3180	328444.7	6241946.6	42.6	139.9	28.6	14.1	TREE	4476.1	54.5 South	2.0	Tree	Dec 20	N
		3203	326964.9	6241487.5	52.8	173.2	47.1	5.7	BLDG	6025.4	65.8 South	1.4	Building	Nov 18	N
		3208	326192.0	6241048.6	70.9	232.7	57.5	13.4	TREE	6892.2	262.4 South	1.5	Tree	Jul 19	N
		3209	326209.7	6241066.4	70.5	231.2	57.3	13.2	TREE	6870.2	250.4 South	1.5	Tree	Jul 19	N
		3210	326204.1	6241152.0	69.9	229.3	57.0	12.8	TREE	6850.7	166.8 South	1.5	Tree	Jul 19	N
		3213	326430.1	6241081.3	56.3	184.6	54.7	1.6	TREE	6654.9	299.9 South	1.2	Tree	Oct 18	N
		3216	326174.7	6241833.2	64.1	210.4	55.0	9.1	TREE	6681.8	493.7 North	1.4	Tree	Jul 19	N
		3217	326253.6	6241769.7	65.3	214.1	54.3	10.9	TREE	6624.6	410.1 North	1.5	Tree	Jul 19	N
		3218	326373.9	6241704.9	71.2	233.7	53.2	18.1	TREE	6528.2	313.3 North	1.7	Tree	Jul 19	N
		3219	326461.3	6241581.7	71.9	235.8	52.6	19.3	TREE	6480.2	170.1 North	1.7	Tree	Jul 19	N
		3221	326350.9	6241513.4	70.5	231.2	54.1	16.4	TREE	6605.6	136.6 North	1.6	Tree	Jul 19	N
		3222	326425.2	6241399.6	70.5	231.4	53.7	16.9	TREE	6567.5	6.2 North	1.6	Tree	Jul 19	N
		3223	326479.6	6241433.7	71.0	232.8	52.9	18.0	TREE	6505.5	23.1 North	1.7	Tree	Jul 19	N
		3224	326472.7	6241442.8	70.8	232.3	53.0	17.8	TREE	6509.5	33.8 North	1.7	Tree	Jul 19	N
		3225	326569.8	6241449.3	66.4	217.7	51.8	14.5	TREE	6414.7	11.9 North	1.6	Tree	Jul 19	N
		3226	326563.3	6241459.6	65.8	215.9	51.9	13.9	TREE	6417.9	23.6 North	1.6	Tree	May 16	N
		3227	326425.9	6241385.9	68.5	224.6	53.7	14.8	TREE	6570.7	7.1 South	1.6	Tree	Jul 19	N
		3228	326568.2	6241339.4	66.8	219.2	52.2	14.6	TREE	6448.0	92.8 South	1.6	Tree	Jul 19	N
		3233	326480.5	6241834.1	66.6	218.4	51.5	15.1	TREE	6388.8	406.1 North	1.6	Tree	Nov 18	N
		3235	326664.3	6241764.7	64.7	212.4	49.6	15.1	TREE	6233.0	286.5 North	1.6	Tree	Nov 18	N
		3236	326683.7	6241747.8	61.3	201.2	49.5	11.8	TREE	6219.2	264.7 North	1.5	Tree	May 16	N
		3237	326626.4	6241683.1	64.6	212.0	50.4	14.3	TREE	6292.8	219.3 North	1.6	Tree	Oct 18	N
		3238	326645.4	6241703.5	64.6	211.8	50.1	14.5	TREE	6268.8	233.4 North	1.6	Tree	Nov 18	N
		3239	326651.1	6241712.7	62.8	205.9	50.0	12.8	TREE	6260.6	240.6 North	1.6	Tree	Oct 18	N
		3240	326673.4	6241692.6	63.1	207.1	49.8	13.3	TREE	6245.1	214.8 North	1.6	Tree	May 16	N
		3241	326488.5	6241591.6	71.1	233.3	52.3	18.8	TREE	6451.4	171.6 North	1.7	Tree	Jul 19	N
		3245	326802.1	6241363.1	62.1	203.8	49.4	12.7	TREE	6217.3	137.8 South	1.6	Tree	Jul 19	N
		3247	326767.1	6241791.7	65.0	213.3	48.4	16.7	TREE	6126.7	282.6 North	1.7	Tree	Nov 18	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
					MGA94										
					metres	(feet)				metres	metres	metres			
		3260	326754.0	6241955.8	65.6	215.1	47.9	17.6	TREE	6091.8	443.5 North	1.7	Tree	Nov 18	N
		3261	326788.7	6242002.9	63.5	208.2	47.4	16.1	TREE	6045.0	478.5 North	1.7	Tree	Nov 18	N
		3262	326827.1	6241607.9	70.2	230.5	48.3	21.9	TREE	6122.5	89.3 North	1.8	Tree	Nov 18	N
		3263	327092.9	6241181.0	54.3	178.0	46.7	7.5	TREE	5991.6	396.3 South	1.4	Tree	Jul 19	N
		3266	326977.0	6241882.6	66.0	216.4	45.6	20.3	TREE	5899.5	308.9 North	1.8	Tree	Nov 18	N
		3274	327216.1	6241569.7	61.1	200.4	44.0	17.1	TREE	5761.1	59.9 South	1.7	Tree	Jul 19	N
		3280	327479.1	6241700.6	57.5	188.7	40.5	17.0	TREE	5471.5	10.7 South	1.8	Tree	Nov 18	N
		3286	326296.3	6241649.7	62.0	203.3	54.3	7.7	BLDG	6618.5	282.9 North	1.4	Building	Jul 19	N
		3289	326833.6	6241841.4	59.5	195.3	47.4	12.1	BLDG	6048.7	310.9 North	1.6	Building	Nov 18	N
		3290	326809.8	6241561.9	67.3	220.6	48.7	18.6	BLDG	6152.3	50.2 North	1.7	Building	Nov 18	N
		3291	326795.4	6241581.6	67.2	220.4	48.8	18.4	BLDG	6160.4	73.3 North	1.7	Building	Nov 18	N
67	63	3353	327158.1	6241987.4	64.2	210.6	43.2	21.0	TREE	5695.8	356.8 North	1.9	Tree	Feb 20	N
		3354	326760.3	6241511.7	71.6	234.9	49.4	22.2	TREE	6214.2	16.5 North	1.8	Tree	Nov 18	N
		3355	326860.5	6241590.9	66.7	218.7	48.0	18.7	TREE	6095.4	63.3 North	1.7	Tree	Nov 18	N
		3356	326852.4	6241698.2	66.8	219.0	47.7	19.0	TREE	6072.1	168.4 North	1.8	Tree	Jul 19	N
		3361	330121.1	6242571.3	7.6	25.0	7.1	0.5	SPIRE	2690.6	58.4 North	1.7	Water stop valve	Nov 20	Y
		3674	327351.6	6242065.1	55.8	183.2	40.7	15.1	TREE	5488.1	375.2 North	1.7	Tree	Jul 19	N
		3676	327326.6	6241960.0	57.5	188.6	41.4	16.1	TREE	5542.4	281.7 North	1.8	Tree	Nov 18	N
		3874	326223.7	6241601.3	66.4	217.9	55.3	11.1	TREE	6702.0	257.6 North	1.5	Tree	Jul 19	N
		3876	326285.2	6241615.3	65.1	213.6	54.5	10.6	TREE	6639.0	253.2 North	1.5	Tree	Jul 19	N
		3878	326267.4	6241805.2	67.8	222.3	54.1	13.7	TREE	6601.2	440.1 North	1.5	Tree	Jul 19	N
		3880	326293.6	6241824.9	69.1	226.6	53.7	15.4	TREE	6570.3	451.4 North	1.6	Tree	Jul 19	N
		3882	326280.5	6241782.2	65.6	215.1	54.0	11.6	TREE	6595.2	414.3 North	1.5	Tree	Jul 19	N
		3884	326368.7	6241949.1	66.0	216.4	52.4	13.6	TREE	6462.6	548.5 North	1.6	Tree	Nov 18	N
		3915	326970.9	6242002.3	65.6	215.1	45.3	20.3	BLDG	5870.8	425.2 North	1.8	AERIAL atop unit block	Nov 18	N
		3917	327008.7	6241954.7	63.8	209.3	45.0	18.8	BLDG	5848.3	368.7 North	1.8	AERIAL atop unit block	Nov 18	N
		3919	327057.7	6241873.1	62.3	204.3	44.7	17.5	BLDG	5825.0	276.4 North	1.7	AIR CONDITIONING DUCT atop unit block	Nov 18	N
		3940	326350.3	6241591.8	64.5	211.6	53.8	10.6	BLDG	6583.6	211.8 North	1.5	Building	Jul 19	N
		3945	324700.3	6240033.5	118.6	389.2	78.2	40.4	BLDG	8613.8	802.4 South	1.9	Building	Mar 21	N
27	25	3993	329632.1	6242409.7	20.1	65.9	13.3	6.8	TREE	3205.5	45.2 North	2.3	TREE	Mar 21	N
46	42	3994	328504.0	6241998.3	40.1	131.5	27.7	12.4	TREE	4404.4	22.2 South	1.9	Palm Tree	Dec 20	N
		3999	324583.9	6240084.4	113.1	371.1	79.4	33.7	BLDG	8710.6	720.1 South	1.8	Apartments	Mar 21	N
11	11	4392	329925.0	6242381.2	13.7	45.1	10.0	3.7	TREE	2933.3	66.8 South	2.3	Tree	Nov 20	N
14	14	4394	329868.6	6242505.4	12.8	41.8	10.3	2.5	TREE	2951.4	68.4 North	1.9	Tree	Nov 20	N
16	16	4398	329873.6	6242463.7	13.7	45.0	10.3	3.4	TREE	2958.6	27.1 North	2.1	Tree	Dec 20	N
18	18	4400	329852.5	6242488.5	13.0	42.7	10.5	2.5	SPIRE	2971.7	56.9 North	1.9	Pole	Nov 20	N
24	22	4402	329751.5	6242478.4	16.1	52.9	11.7	4.4	TREE	3071.3	76.4 North	2.1	Tree	Nov 20	N
26	24	4404	329646.4	6242418.3	17.9	58.6	13.1	4.8	TREE	3189.3	49.3 North	2.0	Tree	Nov 20	N
25	23	4406	329650.4	6242434.2	15.8	51.7	13.0	2.8	TREE	3180.9	63.4 North	1.7	Tree	Nov 20	N
		4497	328429.6	6241678.2	42.4	139.1	29.7	12.7	TREE	4568.2	307.1 South	1.8	Pine Tree	Dec 20	N
		4794	326374.0	6241918.0	57.6	189.0	52.4	5.2	BLDG	6466.5	517.2 North	1.3	House	Jan 00	N



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					metres	(feet)									
					MGA94					metres	(feet)	metres			
28	26	4802	329600.3	6242393.7	19.8	65.1	13.7	6.1	TREE	3240.5	39 North	2.1	Tree	Nov 20	N
29	27	4804	329543.3	6242397.0	20.5	67.4	14.4	6.2	TREE	3294.2	58.8 North	2.1	Tree	Nov 20	N
42	38	4806	328576.1	6241992.1	33.3	109.4	26.9	6.5	SPIRE	4337.1	49 South	1.6	Sewer vent	Dec 18	N
		4808	328275.1	6241987.9	37.6	123.3	30.4	7.2	TREE	4626.5	34.1 North	1.6	Tree	Dec 18	N
57	53	4814	328102.8	6242017.2	48.5	159.2	32.2	16.3	BLDG	4782.9	112 North	1.9	Building	Oct 18	N
		4818	327846.7	6241406.2	45.8	150.4	37.3	8.5	SPIRE	5204.8	398.8 South	1.5	Satellite dish atop building	Oct 18	N
		4820	327688.0	6241797.7	51.2	168.0	37.8	13.4	TREE	5243.5	21.9 North	1.7	Tree	Oct 18	N
		4822	326957.2	6241526.2	63.2	207.2	47.1	16.1	TREE	6021.5	26.6 South	1.7	Tree	Oct 18	N
		4824	327036.6	6241764.8	64.9	213.1	45.4	19.6	TREE	5876.6	178.8 North	1.8	Tree	Oct 18	N
		4826	326730.0	6241713.0	65.1	213.5	49.1	16.0	TREE	6185.0	218 North	1.7	Tree	Oct 18	N
		4827	324045.3	6240209.8	126.7	415.7	85.1	41.6	BLDG	9189.8	444.1 South	1.8	Building	Mar 21	N
		4885	326390.3	6241137.1	60.3	197.9	55.0	5.3	TREE	6676.8	235 South	1.3	Tree	Jul 19	N
		4886	326325.2	6241223.3	61.0	200.0	55.4	5.6	TREE	6714.2	133.6 South	1.3	Tree	Jul 19	N
		4887	326489.4	6241133.2	60.6	198.7	53.8	6.7	TREE	6583.0	267.4 South	1.4	Tree	Jul 19	N
		4894	326989.0	6241613.2	57.2	187.8	46.4	10.8	BLDG	5965.9	47.5 North	1.5	House	Jul 19	N
		4896	326496.1	6241294.6	57.5	188.7	53.2	4.3	BLDG	6530.0	114.9 South	1.3	Grey tiled house	Jul 19	N
		4897	326529.9	6241340.5	59.0	193.7	52.7	6.4	BLDG	6484.4	80.7 South	1.4	Grey tiled house	Jul 19	N
		4898	326345.5	6241678.5	62.8	206.1	53.6	9.2	BLDG	6563.1	296.2 North	1.4	House	Jul 19	N
		4899	326262.4	6241601.8	62.4	204.8	54.8	7.6	BLDG	6664.8	246.8 North	1.4	House	Jul 19	N
		4900	326236.5	6241529.7	60.9	199.7	55.4	5.5	BLDG	6710.5	185.3 North	1.3	House	Jul 19	N
		4901	326303.7	6241506.9	64.1	210.2	54.7	9.4	BLDG	6652.7	144.1 North	1.4	Grey tiled house	Jul 19	N
		4902	326654.0	6241574.9	61.2	200.9	50.4	10.8	BLDG	6297.7	107.8 North	1.5	House	Jul 19	N
		4903	326374.9	6241556.4	63.0	206.7	53.7	9.3	BLDG	6570.2	170.9 North	1.4	Red tiled house	Jul 19	N
		4904	326320.2	6241629.5	62.7	205.7	54.1	8.6	BLDG	6601.5	256.6 North	1.4	House	Jul 19	N
		4905	326391.9	6241803.3	61.8	202.6	52.6	9.1	BLDG	6482.6	402.2 North	1.4	House	Jul 19	N
		4906	326432.2	6241971.3	57.3	188.1	51.6	5.7	BLDG	6395.4	551.4 North	1.4	House	Jul 19	N
		4925	326713.0	6241522.5	61.2	200.6	49.9	11.2	BLDG	6256.4	40.5 North	1.5	Appartment block	Jul 19	N
		4926	326685.9	6241495.5	60.9	199.7	50.3	10.6	BLDG	6290.2	22.5 North	1.5	Appartment block	Jul 19	N
		4927	326728.2	6241534.2	62.7	205.8	49.7	13.0	BLDG	6238.4	47.3 North	1.6	Appartment block	Jul 19	N
		4928	326744.5	6241546.0	63.5	208.2	49.5	14.0	BLDG	6219.5	53.9 North	1.6	Appartment block	Jul 19	N
		4929	326808.8	6241401.5	57.1	187.2	49.2	7.8	BLDG	6199.8	103 South	1.4	Appartment block	Jul 19	N
		4930	326838.9	6241483.7	61.7	202.3	48.6	13.0	BLDG	6147.2	33 South	1.6	Appartment block	Jul 19	N
		4931	326301.9	6241715.1	61.8	202.8	54.0	7.8	BLDG	6594.2	343.9 North	1.4	Red tiled house	Jul 19	N
		4932	326305.3	6241818.5	58.5	192.0	53.6	5.0	BLDG	6561.0	441.9 North	1.3	House	Jul 19	N
		4933	326335.4	6241778.1	58.0	190.2	53.4	4.6	BLDG	6543.9	394.5 North	1.3	House	Jul 19	N
		4934	326371.2	6241644.5	63.5	208.5	53.4	10.1	BLDG	6548.3	256.3 North	1.5	House	Jul 19	N
		4947	326852.8	6241289.4	58.8	192.9	49.1	9.7	TREE	6190.0	223.1 South	1.5	Tree	Jul 19	N
		4948	327043.1	6241408.0	56.3	184.6	46.5	9.7	TREE	5973.6	164.5 South	1.5	Tree	Jul 19	N
		4949	327064.6	6241415.2	55.7	182.7	46.3	9.4	TREE	5950.9	163.9 South	1.5	Tree	Jul 19	N
		4950	327047.9	6241437.2	55.3	181.4	46.4	8.9	TREE	5960.5	138 South	1.5	Tree	Jul 19	N
		4951	327085.2	6241492.6	59.4	195.0	45.7	13.7	TREE	5908.7	95.8 South	1.6	Tree	Jul 19	N

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					MGA94																
					metres	(feet)				metres	metres					metres	(%)				
		4952	327143.1	6241510.6	59.0	193.6	45.0	14.0	TREE	5848.1	95.3 South	1.6	Tree	Jul 19	N						
		4953	327098.8	6241549.5	58.4	191.6	45.4	13.0	TREE	5879.3	45.2 South	1.6	Palm Tree	Jul 19	N						
		4954	327114.3	6241700.5	57.0	187.1	44.7	12.3	TREE	5820.8	94.8 North	1.6	Tree	Jul 19	N						
		4955	327143.3	6241704.9	57.4	188.4	44.3	13.1	TREE	5791.7	90.7 North	1.6	Tree	Jul 19	N						
		4956	326648.7	6241478.1	71.6	234.8	50.8	20.8	TREE	6330.8	16.6 North	1.8	Tree	Jul 19	N						
		4957	326502.4	6241254.4	56.8	186.3	53.3	3.5	TREE	6535.5	155.1 South	1.3	Tree	Jul 19	N						
		4958	326257.0	6241419.7	67.5	221.4	55.5	12.0	TREE	6722.6	74.1 North	1.5	Tree	Jul 19	N						
		4959	326301.9	6241403.7	64.4	211.3	55.1	9.3	TREE	6684.3	45.8 North	1.4	Tree	Jul 19	N						
		4960	326271.4	6241442.0	63.7	208.9	55.3	8.4	TREE	6702.4	91.2 North	1.4	Tree	Jul 19	N						
		4961	326319.7	6241340.5	63.1	207.0	55.1	8.0	TREE	6685.5	19.8 South	1.4	Tree	Jul 19	N						
		4962	326315.1	6241431.5	65.5	214.8	54.8	10.7	TREE	6663.6	68.5 North	1.5	Tree	Jul 19	N						
		4964	326544.8	6241192.1	55.2	181.0	53.0	2.2	TREE	6513.0	227.1 South	1.3	Tree	Jul 19	N						
		4965	326172.1	6241753.6	64.3	211.0	55.3	9.0	TREE	6707.3	418.2 North	1.4	Tree	Jul 19	N						
		4966	326115.2	6241783.5	63.3	207.5	55.9	7.4	TREE	6753.1	463.3 North	1.4	Tree	Jul 19	N						
		4967	326153.1	6241769.2	63.1	207.0	55.5	7.6	TREE	6721.0	438.7 North	1.4	Tree	Jul 19	N						
		4968	326403.3	6241907.2	63.0	206.7	52.1	10.9	TREE	6441.5	498.4 North	1.5	Tree	Apr 19	N						
		4969	326380.7	6241873.6	62.8	206.0	52.5	10.3	TREE	6472.9	472.7 North	1.5	Tree	Jul 19	N						
		4970	327093.2	6241638.3	59.2	194.3	45.1	14.1	TREE	5858.9	41.4 North	1.6	Tree	Jul 19	N						
		4971	327197.4	6241655.4	55.6	182.6	43.9	11.8	TREE	5754.3	27.6 North	1.6	Tree	Jul 19	N						
		4972	327320.5	6241785.1	57.1	187.3	42.0	15.1	TREE	5598.9	116.1 North	1.7	Tree	Jul 19	N						
		4973	327403.3	6241852.3	55.6	182.5	40.8	14.8	TREE	5500.2	156.5 North	1.7	Tree	Jul 19	N						
		4974	326696.1	6241874.8	62.1	203.7	48.9	13.2	TREE	6170.6	382.7 North	1.6	Palm Tree	Jul 19	N						
		4975	326909.1	6241497.0	65.5	214.9	47.8	17.7	TREE	6076.1	40.6 South	1.7	Tree	Jul 19	N						
		4976	326961.9	6241563.0	63.9	209.7	46.9	17.0	TREE	6006.4	7.3 North	1.7	Tree	Jul 19	N						
		4977	327413.8	6241813.8	53.3	174.9	40.9	12.4	BLDG	5501.4	116.6 North	1.6	Building	Jul 19	N						
		4978	326876.9	6241680.0	66.6	218.4	47.5	19.1	TREE	6053.9	143.9 North	1.8	Tree	Jul 19	N						
		5209	327064.3	6241572.4	55.8	183.0	45.7	10.1	BLDG	5905.7	13.3 South	1.5	Grey tiled house	Jul 19	N						
		5210	326917.9	6241463.8	59.1	193.9	47.8	11.3	BLDG	6077.3	74.9 South	1.5	Appartment block	Jul 19	N						
		5211	327006.6	6241705.1	57.4	188.4	45.9	11.5	BLDG	5922.5	130.4 North	1.6	Appartment block	Jul 19	N						
		5220	326359.1	6241863.8	60.2	197.5	52.8	7.4	BLDG	6496.5	469.7 North	1.4	Grey tiled house	Jul 19	N						
		5221	326283.0	6241931.9	56.0	183.8	53.4	2.6	BLDG	6549.6	556.8 North	1.3	Grey tiled house	Jul 19	N						
		5224	326886.0	6241807.9	60.8	199.4	46.9	13.8	BLDG	6008.2	263.7 North	1.6	Building	Jul 19	N						
		5244	326437.5	6241292.4	55.9	183.3	53.9	2.0	BLDG	6586.7	100 South	1.3	Grey tiled house	Jul 19	N						
		5245	326351.5	6241930.1	59.7	195.7	52.7	7.0	BLDG	6484.6	535.3 North	1.4	Grey tiled house	Jul 19	N						
		5272	326497.3	6241389.6	63.5	208.5	52.9	10.7	BLDG	6501.3	24.2 South	1.5	Grey tiled house	Jul 19	N						
		5369	326246.1	6241879.0	55.7	182.7	54.0	1.6	BLDG	6600.2	516.9 North	1.2	Building	Jul 19	N						
		5388	326306.1	6241283.3	61.1	200.6	55.4	5.7	TREE	6715.1	70.7 South	1.3	Tree	Jul 19	N						
		5389	326196.0	6241362.8	66.8	219.2	56.4	10.4	TREE	6797.5	37.2 North	1.5	Tree	Jul 19	N						
75	71	5400	327023.0	6241935.0	69.6	228.2	44.9	24.6	BLDG	5840.3	345.7 North	2.0	Apartments	Feb 20	N						
8		5436	330099.3	6242601.5	9.2	30.2	7.3	1.9	TREE	2702.8	93.7 North	2.9	Tree	Dec 20	Y						
15	15	5437	329888.5	6242428.0	13.3	43.6	10.3	3.0	TREE	2954.7	11.5 South	2.0	Tree	Nov 20	N						

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					MGA94										
					metres	(feet)									
17	17	5438	329870.5	6242457.3	14.8	48.6	10.4	4.4	TREE	2963.5	21.8 North	2.4	Tree	Mar 21	N
		5444	326626.0	6241543.0	61.7	202.4	50.8	10.9	BLDG	6333.8	85.3 North	1.5	Building	Jan 00	N
10	10	5486	329920.5	6242562.7	11.3	37.0	9.5	1.8	TREE	2885.1	108.2 North	1.8	TREE	Nov 20	N
20	20	5487	329842.0	6242397.7	14.0	45.9	10.9	3.1	TREE	3008.0	27 South	1.9	TREE	Nov 20	N
12	12	5488	329896.3	6242427.8	12.9	42.3	10.2	2.7	TREE	2947.4	13.9 South	2.0	Tree	Nov 20	N
13	13	5489	329868.5	6242513.3	12.5	41.1	10.2	2.3	TREE	2949.2	76 North	1.8	Tree	Nov 20	N
33	31	5490	329396.0	6242428.5	22.6	74.1	16.0	6.6	TREE	3426.0	131.5 North	2.0	Tree	Nov 20	N
		5491	328933.4	6242167.0	23.7	77.6	22.2	1.5	TREE	3944.5	15 North	1.3	Palm Tree	Dec 20	N
		5492	328886.0	6242350.7	26.0	85.2	22.1	3.9	TREE	3936.7	204.6 North	1.5	Tree	Dec 20	N
		5493	328833.6	6242082.7	26.3	86.2	23.6	2.7	TREE	4064.4	36.7 South	1.4	Norfolk Pine Tree	Dec 20	N
		5717	326895.9	6241730.6	62.8	206.2	47.1	15.7	SPIRE	6021.2	186.9 North	1.7	Sewer Vent	Jul 19	N
		5719	326880.4	6241660.3	64.9	212.9	47.5	17.4	TREE	6056.3	124 North	1.7	Tree (Gum)	Jul 19	N
		5720	326901.9	6241629.4	67.0	219.7	47.4	19.6	TREE	6044.7	88.2 North	1.8	Tree (Gum)	Jul 19	N
		5721	326856.9	6241627.0	64.3	211.0	47.9	16.4	SPIRE	6088.5	99 North	1.7	Sewer Vent	Jul 19	N
		5722	326908.4	6241558.9	60.1	197.2	47.5	12.6	BLDG	6058.9	18.9 North	1.6	Chimney	Nov 18	N
		5724	326896.2	6241602.0	59.2	194.2	47.5	11.7	SPIRE	6058.1	63.7 North	1.5	Pole with Light	Nov 18	N
		5726	326781.1	6241535.4	63.3	207.7	49.1	14.2	BLDG	6187.5	33.2 North	1.6	Roof	Nov 18	N
		5727	326823.9	6241509.8	61.4	201.4	48.7	12.7	BLDG	6154.0	3.7 South	1.6	Roof	Nov 18	N
		5728	326823.5	6241565.7	61.2	200.8	48.5	12.7	SPIRE	6138.2	50 North	1.6	Sewer Vent	Nov 18	N
		5729	326750.0	6241497.0	71.0	232.9	49.6	21.4	TREE	6228.4	5.4 North	1.8	Tree (Norfolk Pine)	Nov 18	N
		5730	326835.1	6241538.4	62.5	205.1	48.5	14.0	TREE	6135.0	20.5 North	1.6	Tree (Paper Bark)	Nov 18	N
		5731	326761.7	6241520.3	62.6	205.4	49.4	13.2	BLDG	6210.5	24.4 North	1.6	Roof	Oct 18	N
		5735	326959.0	6241594.7	61.0	200.2	46.8	14.2	ANTEN	6000.0	38.5 North	1.6	TV Antenna on Beige House	Nov 18	N
60		5827	327973.0	6241761.0	52.7	172.9	34.6	18.1	BLDG	4981.3	95.7 South	2.0	Building	Jan 00	N
76		5835	326769.5	6241859.3	74.2	243.4	48.1	26.1	BLDG	6104.9	346.6 North	1.9	Tower Crane	Mar 21	N
22		5853	329765.7	6242469.1	14.2	46.6	11.6	2.6	SPIRE	3060.4	63.5 North	1.8	Floodlight	Nov 20	N
23		5863	329768.4	6242440.8	14.8	48.5	11.6	3.2	TREE	3066.0	35.6 North	1.9	Tree	Nov 20	N
		5909	330149.8	6242568.5	7.5	24.6	6.8	0.7	TREE	2664.0	47.5 North	2.1	Shrub	Feb 21	Y
		5910	330137.7	6242575.3	7.3	23.9	6.9	0.4	TREE	2673.6	57.5 North	1.6	Shrub	Nov 20	Y
		5912	329695.3	6242452.3	14.2	46.6	12.4	1.8	SPIRE	3132.6	67.7 North	1.5	Floodlight	Nov 20	N
		5913	329033.6	6242393.2	24.5	80.5	20.2	4.3	TREE	3783.1	202.5 North	1.6	Tree	Nov 20	N
38		5914	328753.6	6241886.2	32.3	105.8	25.2	7.0	TREE	4197.9	201.7 South	1.6	Tree	Feb 21	N
		5915	328662.3	6241841.5	31.9	104.6	26.4	5.5	TREE	4298.2	218.1 South	1.5	Tree	Feb 21	N
41		5916	328628.2	6241861.4	33.1	108.7	26.7	6.4	TREE	4325.1	189.1 South	1.6	Tree	Feb 21	N
		6533	326746.5	6241510.6	62.4	204.7	49.6	12.8	BLDG	6227.8	19.5 North	1.6	Roof (dark brown tile)	Oct 18	N
		6534	326664.1	6241452.1	62.0	203.4	50.7	11.3	BLDG	6323.6	12.7 South	1.5	Roof ( brown tile)	Jul 19	N
		6536	326625.6	6241405.6	61.4	201.4	51.3	10.1	SPIRE	6373.9	46 South	1.5	Light Pole (steel)	Jul 19	N
		6538	326540.4	6241463.7	69.4	227.7	52.1	17.3	SPIRE	6438.7	34.2 North	1.7	Sewer Vent	Jul 19	N
		6539	326587.1	6241466.7	65.5	214.9	51.6	13.9	SPIRE	6393.1	23.6 North	1.6	Pole with light	Jul 19	N
		6540	326602.2	6241472.1	63.5	208.3	51.4	12.1	BLDG	6377.1	24.4 North	1.5	Roof (brown tile )	Oct 18	N
		6541	326629.3	6241440.4	62.0	203.4	51.2	10.8	BLDG	6360.3	13.8 South	1.5	Roof (brown tile )	Jul 19	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						
					MGA94																
					metres	(feet)				metres	metres					metres					
		6542	326592.4	6241425.8	63.5	208.3	51.6	11.9	SPIRE	6399.9	17.1 South	1.5	Light Pole (steel)	Jul 19	N						
		6543	326639.6	6241360.3	59.5	195.2	51.3	8.2	SPIRE	6373.6	93.4 South	1.4	Light Pole (steel)	Jul 19	N						
		6544	326708.7	6241303.3	54.2	177.8	50.7	3.5	SPIRE	6324.0	168 South	1.3	Light Pole	Jul 19	N						
		6545	326679.9	6241342.1	57.7	189.3	50.9	6.8	SPIRE	6340.3	122.5 South	1.4	Pole with light	Jul 19	N						
		6547	326716.0	6241392.9	62.0	203.3	50.3	11.6	TREE	6291.1	84.4 South	1.5	Gum Tree	Jul 19	N						
		6548	326734.2	6241395.3	64.3	210.8	50.1	14.1	TREE	6272.9	87.4 South	1.6	Gum Tree	Jul 19	N						
		6549	326764.5	6241395.7	71.9	235.9	49.8	22.1	TREE	6243.8	95.7 South	1.8	Gum Tree	Jul 19	N						
		6550	326785.6	6241403.7	67.8	222.5	49.5	18.3	TREE	6221.3	94.2 South	1.7	Gum Tree	Jul 19	N						
		6552	326766.9	6241417.1	61.3	201.1	49.7	11.6	TREE	6235.4	75.9 South	1.5	Gum Tree	Jul 19	N						
		6553	326726.0	6241280.1	52.1	170.9	50.6	1.5	SPIRE	6314.1	195.2 South	1.2	Elec Pole	Jul 19	N						
		6554	326785.7	6241324.7	54.6	179.1	49.8	4.8	SPIRE	6244.1	169.8 South	1.3	Pole with light	Jul 19	N						
		6555	326824.4	6241353.8	56.5	185.4	49.2	7.3	SPIRE	6198.6	153.1 South	1.4	Pole with light	Jul 19	N						
		6556	326854.7	6241376.9	57.4	188.3	48.8	8.6	SPIRE	6162.9	139.8 South	1.4	Pole with light	Jul 19	N						
		6557	326658.2	6241335.4	62.1	203.6	51.2	10.9	TREE	6363.0	122.7 South	1.5	Fig Tree	Jul 19	N						
		6558	326741.5	6241309.8	57.5	188.6	50.3	7.2	TREE	6290.7	171.3 South	1.4	Fig Tree	Jul 19	N						
		6559	326874.6	6241388.4	66.2	217.2	48.5	17.7	TREE	6140.6	134.5 South	1.7	Gum Tree	Jul 19	N						
		6560	326869.4	6241370.4	58.2	190.9	48.6	9.6	BLDG	6150.7	150.3 South	1.5	Chimney ( with white roof)	Jul 19	N						
		6561	326965.5	6241454.0	59.7	195.9	47.3	12.4	TREE	6034.6	98 South	1.6	Gum Tree	Jul 19	N						
		6562	326890.9	6241403.3	59.2	194.2	48.3	10.9	SPIRE	6120.7	125 South	1.5	Pole with light	Jul 19	N						
		6563	326950.0	6241447.3	57.2	187.7	47.5	9.7	SPIRE	6051.3	100 South	1.5	Pole with light and transformer	Jul 19	N						
		6564	326894.2	6241335.3	63.9	209.7	48.5	15.4	TREE	6137.1	191 South	1.6	Gum Tree	Jul 19	N						
		6565	326872.2	6241424.4	61.8	202.6	48.4	13.3	TREE	6132.4	99.4 South	1.6	Silky Oak	Jul 19	N						
		6566	326928.2	6241351.6	57.8	189.6	48.0	9.8	SPIRE	6099.9	185.3 South	1.5	Sewer Vent	Jul 19	N						
		6568	327069.3	6241535.4	59.3	194.7	45.8	13.6	TREE	5911.7	50.2 South	1.6	Gum Tree	Jul 19	N						
		6569	327093.6	6241532.5	55.0	180.4	45.5	9.5	BLDG	5889.2	60 South	1.5	Roof (brown tile )	Jul 19	N						
		6574	326903.1	6241449.2	57.2	187.7	48.0	9.2	BLDG	6095.7	84.6 South	1.5	Roof (tiled)	Jul 19	N						
		6575	326950.9	6241387.4	62.3	204.4	47.7	14.6	TREE	6067.8	157.6 South	1.6	Pine Tree Group	Jul 19	N						
		6576	326918.3	6241263.3	55.9	183.4	48.5	7.4	SPIRE	6134.9	266.9 South	1.4	Sewer Vent	Jul 19	N						
		6577	327012.8	6241334.3	51.8	169.9	47.1	4.7	SPIRE	6023.9	226.3 South	1.3	Pole with light	Jul 19	N						
		6578	326955.1	6241274.7	56.5	185.4	48.0	8.5	TREE	6096.4	266.7 South	1.4	Gum Tree Group	Jul 19	N						
		6580	327143.4	6241431.5	52.9	173.6	45.3	7.6	SPIRE	5870.8	171.1 South	1.4	Elec Pole	Jul 19	N						
		6581	327192.2	6241468.1	54.8	179.8	44.6	10.2	SPIRE	5813.5	150.1 South	1.5	Pole with light	Jul 19	N						
		6583	327164.0	6241430.3	59.8	196.1	45.1	14.7	TREE	5851.4	178.2 South	1.7	Gum Tree Group	Jul 19	N						
		6584	327122.2	6241393.3	58.0	190.3	45.7	12.3	TREE	5902.1	201.5 South	1.6	Fig Tree	Jul 19	N						
		6585	327041.9	6241324.3	56.7	186.0	46.8	9.9	TREE	5999.0	244.3 South	1.5	Pine Tree	Jul 19	N						
		6590	326990.3	6241477.3	56.9	186.7	46.9	10.0	SPIRE	6004.1	82.9 South	1.5	Elec Pole (South cnr)	Jul 19	N						
		6592	326621.4	6241269.1	65.1	213.5	51.8	13.2	TREE	6417.4	175.5 South	1.6	Gum Tree	Jul 19	N						
		6595	326488.9	6241342.3	59.3	194.6	53.1	6.2	SPIRE	6523.1	67.1 South	1.4	Pole only	Jul 19	N						
		6597	326472.5	6241364.4	59.9	196.5	53.2	6.7	SPIRE	6532.4	41.2 South	1.4	Pole with light	May 16	N						
		6598	326453.4	6241389.6	61.8	202.8	53.4	8.4	SPIRE	6543.4	11.5 South	1.4	Pole only	May 16	N						
		6601	326620.4	6241208.8	52.5	172.2	52.1	0.4	BLDG	6435.9	232.9 South	1.2	Roof (brown tile )	Oct 18	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	(feet)	metres			
1		8818	330242.5	6242514.3	6.8	22.3	5.9	0.9	SPIRE	2590.9	31.3 South	92.6	Gable Marker	Nov 20	Y
		9495	328104.4	6241633.0	48.8	160.2	33.6	15.3	BLDG	4892.6	256.2 South	1.9	BUILD/HOUSE/SHED	Nov 18	N
		9508	329432.2	6242159.4	22.2	72.9	16.5	5.7	SPIRE	3469.3	136.5 South	1.9	LIGHT POLE	Nov 20	N
		9509	329008.3	6242033.2	22.5	73.8	21.8	0.7	SPIRE	3911.6	134.7 South	1.3	ELEC POLE	Dec 20	N
		9520	329463.3	6242245.1	20.2	66.2	15.8	4.4	SPIRE	3414.7	63.5 South	1.7	Flood light	Dec 20	N
		9523	329431.6	6242130.9	19.7	64.8	16.6	3.2	SPIRE	3478.0	163.7 South	1.6	Flood light	Dec 20	N
		9529	328091.2	6241585.9	49.0	160.8	33.9	15.2	SPIRE	4918.8	297.5 South	1.9	Satellite dish atop building	Nov 18	N
		9532	329535.8	6242162.8	20.0	65.7	15.3	4.8	SPIRE	3369.1	163.3 South	1.8	Flood light	Nov 20	N
		9535	326365.7	6241007.2	64.8	212.7	55.7	9.1	TREE	6737.9	352.2 South	1.4	TREE	Jul 19	N
		9536	326356.8	6241016.9	57.4	188.2	55.8	1.6	TREE	6743.6	340.3 South	1.2	TREE	Nov 18	N
51	47	9540	328418.7	6242125.9	42.4	139.2	28.2	14.2	TREE	4449.1	124.6 North	2.0	Fig Tree	Nov 18	N
56	52	9541	328410.3	6242111.9	44.0	144.4	28.4	15.6	TREE	4461.2	113.7 North	2.0	Tree	Nov 20	N
		9542	329683.9	6242482.6	12.8	42.1	12.5	0.4	SPIRE	3134.8	100 North	1.3	ELEC POLE	Oct 12	N
53	49	9543	328455.6	6241970.7	42.7	140.2	28.3	14.4	TREE	4458.6	34.7 South	2.0	Pine Tree	Dec 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)  
( 25 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

<b>Sydney Kingsford-Smith Airport 25 Take Off</b>						
Mid-point of origin	Runway Bearing	Height at	Runway	Chainage	Height at	
<u>Easting</u> <u>Northing</u>		<b>Chainage 00</b>	<b>Length</b>	<b>at Origin</b>	<b>Origin</b>	
(MGA94)	(Deg Min Sec)	(m) (ft)	(metres)	(metres)	(m) (ft)	
330234.385 6242544.516	253° 10' 55"	5.997 (19.7)	2529.9	2590.9	5.920 (19.4)	

**EXPLANATION OF SPECIFIC TERMS**

<b>Chart No.</b>	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.
<b>Reference Number</b>	Surveyor Identification Number - A unique sequential number allocated during surveys to identify an obstacle. This number does not change.
<b>Type of Obstacle</b>	ICAO Identification as displayed on Type A Chart and shown on that chart's legend.
<b>Description</b>	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)									
1		8818	330242.5	6242514.3	6.8	22.3	5.9	0.9	SPIRE	2590.9	31.3 South	92.6	Gable Marker	Nov 20	Y
2	3	2464	330243.6	6242500.4	7.0	23.0	6.0	1.1	SPIRE	2593.9	44.9 South	27.8	Unserviceable red and white cone	Mar 21	Y
3	4	2466	330238.2	6242498.7	7.1	23.2	6.0	1.0	SPIRE	2599.6	45 South	12.0	Unserviceable red and white cone	Nov 20	Y
4	5	1787	330238.0	6242492.3	7.7	25.3	6.1	1.7	LINES	2601.6	51 South	15.4	Railing (lit)	Mar 21	Y
5	6	1670	330200.4	6242481.8	8.0	26.4	6.5	1.5	LINES	2640.6	50.2 South	4.2	RWY 25 RESA Southern Safety Barrier (Western End)	Mar 21	Y
6	7	1700	330142.5	6242496.6	8.7	28.5	7.1	1.5	SPIRE	2691.7	19.3 South	2.7	RWY 25 Localiser southern Obstruction Light (lit)	Nov 20	Y
7	8	1702	330131.3	6242533.6	8.7	28.5	7.1	1.6	SPIRE	2691.7	19.3 North	2.7	RWY 25 Localiser northern Obstruction Light (lit)	Nov 20	Y
8		5436	330099.3	6242601.5	9.2	30.2	7.3	1.9	TREE	2702.8	93.7 North	2.9	Tree	Dec 20	Y
9	9	2373	330085.5	6242575.9	8.8	28.8	7.5	1.2	LINES	2723.4	73.1 North	2.1	Airside Fence (lit)	Nov 20	N
10	10	5486	329920.5	6242562.7	11.3	37.0	9.5	1.8	TREE	2885.1	108.2 North	1.8	TREE	Nov 20	N
11	11	4392	329925.0	6242381.2	13.7	45.1	10.0	3.7	TREE	2933.3	66.8 South	2.3	Tree	Nov 20	N
12	12	5488	329896.3	6242427.8	12.9	42.3	10.2	2.7	TREE	2947.4	13.9 South	2.0	Tree	Nov 20	N
13	13	5489	329868.5	6242513.3	12.5	41.1	10.2	2.3	TREE	2949.2	76 North	1.8	Tree	Nov 20	N
14	14	4394	329868.6	6242505.4	12.8	41.8	10.3	2.5	TREE	2951.4	68.4 North	1.9	Tree	Nov 20	N
15	15	5437	329888.5	6242428.0	13.3	43.6	10.3	3.0	TREE	2954.7	11.5 South	2.0	Tree	Nov 20	N
16	16	4398	329873.6	6242463.7	13.7	45.0	10.3	3.4	TREE	2958.6	27.1 North	2.1	Tree	Dec 20	N
17	17	5438	329870.5	6242457.3	14.8	48.6	10.4	4.4	TREE	2963.5	21.8 North	2.4	Tree	Mar 21	N
18	18	4400	329852.5	6242488.5	13.0	42.7	10.5	2.5	SPIRE	2971.7	56.9 North	1.9	Pole	Nov 20	N
19	19	2494	329837.8	6242522.9	14.4	47.2	10.6	3.8	TREE	2975.8	94.1 North	2.2	Tree	Nov 20	N
20	20	5487	329842.0	6242397.7	14.0	45.9	10.9	3.1	TREE	3008.0	27 South	1.9	TREE	Nov 20	N
21	21	3046	329853.4	6242326.8	14.0	45.8	11.1	2.9	TREE	3017.7	98.1 South	1.9	Tree	Nov 20	N
22		5853	329765.7	6242469.1	14.2	46.6	11.6	2.6	SPIRE	3060.4	63.5 North	1.8	Floodlight	Nov 20	N
23		5863	329768.4	6242440.8	14.8	48.5	11.6	3.2	TREE	3066.0	35.6 North	1.9	Tree	Nov 20	N
24	22	4402	329751.5	6242478.4	16.1	52.9	11.7	4.4	TREE	3071.3	76.4 North	2.1	Tree	Nov 20	N
25	23	4406	329650.4	6242434.2	15.8	51.7	13.0	2.8	TREE	3180.9	63.4 North	1.7	Tree	Nov 20	N
26	24	4404	329646.4	6242418.3	17.9	58.6	13.1	4.8	TREE	3189.3	49.3 North	2.0	Tree	Nov 20	N
27	25	3993	329632.1	6242409.7	20.1	65.9	13.3	6.8	TREE	3205.5	45.2 North	2.3	TREE	Mar 21	N
28	26	4802	329600.3	6242393.7	19.8	65.1	13.7	6.1	TREE	3240.5	39 North	2.1	Tree	Nov 20	N
29	27	4804	329543.3	6242397.0	20.5	67.4	14.4	6.2	TREE	3294.2	58.8 North	2.1	Tree	Nov 20	N
30	28	2496	329512.9	6242460.7	19.6	64.3	14.5	5.1	TREE	3304.8	128.5 North	1.9	Tree	Nov 20	N
31	29	3051	329502.4	6242420.2	21.2	69.5	14.8	6.4	TREE	3326.6	92.8 North	2.1	Tree	Nov 20	N
32	30	2233	329552.2	6242219.6	20.1	65.8	14.9	5.2	SPIRE	3337.0	113.6 South	1.9	Flood Light Pole	Nov 20	N
33	31	5490	329396.0	6242428.5	22.6	74.1	16.0	6.6	TREE	3426.0	131.5 North	2.0	Tree	Nov 20	N
34	32	2185	329448.9	6242219.9	22.2	72.8	16.1	6.1	SPIRE	3435.8	83.4 South	1.9	Flood Light Pole	Nov 20	N
35	33	2498	329327.0	6242474.8	23.3	76.4	16.6	6.7	TREE	3478.7	195.8 North	2.0	Tree	Nov 20	N
36	34	706	329058.5	6242075.8	28.3	92.7	21.1	7.2	TREE	3851.1	108.4 South	1.8	Norfolk Tree	Dec 20	N
37	35	2500	328824.4	6241898.9	32.1	105.5	24.4	7.8	TREE	4126.4	210 South	1.7	Tree	Dec 20	N
38		5914	328753.6	6241886.2	32.3	105.8	25.2	7.0	TREE	4197.9	201.7 South	1.6	Tree	Feb 21	N
39	36	2475	328635.2	6242186.9	32.3	106.0	25.5	6.8	TREE	4224.2	120.3 North	1.6	Gum Tree	Dec 20	N
40	37	2502	328693.8	6241921.0	32.5	106.5	25.8	6.7	TREE	4245.1	151 South	1.6	Tree	Dec 20	N
41		5916	328628.2	6241861.4	33.1	108.7	26.7	6.4	TREE	4325.1	189.1 South	1.6	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
					MGA94										
					metres	(feet)									
42	38	4806	328576.1	6241992.1	33.3	109.4	26.9	6.5	SPIRE	4337.1	49 South	1.6	Sewer vent	Dec 18	N
43	39	1816	328538.9	6241976.6	34.8	114.0	27.4	7.4	BLDG	4377.2	53 South	1.6	BLDG	Dec 20	N
44	40	1814	328556.5	6241915.8	39.5	129.5	27.4	12.1	TREE	4378.0	116.3 South	1.9	Palm Tree	Dec 20	N
45	41	1815	328560.3	6241895.5	38.3	125.7	27.4	10.9	TREE	4380.2	136.9 South	1.8	Palm Tree	Dec 20	N
46	42	3994	328504.0	6241998.3	40.1	131.5	27.7	12.4	TREE	4404.4	22.2 South	1.9	Palm Tree	Dec 20	N
47	43	2477	328442.6	6242164.5	36.2	118.8	27.8	8.4	SPIRE	4415.0	154.7 North	1.7	Sewer Vent	Nov 18	N
48	44	1817	328479.6	6242017.7	38.1	125.0	27.9	10.2	BLDG	4422.1	3.4 North	1.8	BLDG	Nov 18	N
49	45	2504	328523.1	6241805.9	41.8	137.2	28.1	13.7	TREE	4441.8	211.9 South	1.9	Tree	Dec 20	N
50	46	2247	328463.5	6241999.2	39.0	128.0	28.2	10.9	SPIRE	4442.8	9.6 South	1.8	Elec Pole	Nov 18	N
51	47	9540	328418.7	6242125.9	42.4	139.2	28.2	14.2	TREE	4449.1	124.6 North	2.0	Fig Tree	Nov 18	N
52	48	2479	328453.3	6242001.3	43.0	140.9	28.3	14.7	TREE	4452.0	4.7 South	2.0	Pine Tree	Nov 18	N
53	49	9543	328455.6	6241970.7	42.7	140.2	28.3	14.4	TREE	4458.6	34.7 South	2.0	Pine Tree	Dec 20	N
54	50	2249	328430.0	6242054.5	43.1	141.3	28.3	14.7	SPIRE	4458.9	53 North	2.0	Sewer Vent	Nov 18	N
55	51	3177	328448.4	6241987.0	43.5	142.6	28.4	15.1	TREE	4460.8	16.9 South	2.0	Tree	Dec 20	N
56	52	9541	328410.3	6242111.9	44.0	144.4	28.4	15.6	TREE	4461.2	113.7 North	2.0	Tree	Nov 20	N
57	53	4814	328102.8	6242017.2	48.5	159.2	32.2	16.3	BLDG	4782.9	112 North	1.9	Building	Oct 18	N
58	54	1784	328135.3	6241579.3	50.6	166.2	33.4	17.3	SPIRE	4878.5	316.6 South	2.0	Satellite dish atop building	Nov 18	N
59	55	1707	328112.2	6241628.2	51.3	168.3	33.5	17.8	ANTEN	4886.5	263.1 South	2.0	Aerial atop building	Nov 18	N
60		5827	327973.0	6241761.0	52.7	172.9	34.6	18.1	BLDG	4981.3	95.7 South	2.0	Building	Jan 00	N
61	56	324	327829.1	6242101.4	55.6	182.4	35.1	20.5	TREE	5020.6	271.7 North	2.0	Tree	Mar 21	N
62	57	2165	327641.5	6241713.9	58.0	190.3	38.6	19.4	TREE	5312.3	44.9 South	1.9	Pine Tree	Nov 18	N
63	58	2517	327450.1	6241801.5	59.4	194.9	40.5	18.9	TREE	5470.1	94.4 North	1.9	Tree	Nov 18	N
64	59	2869	327265.2	6242107.7	66.5	218.2	41.5	25.0	TREE	5558.5	441 North	2.0	Norfolk Island Pine	Mar 21	N
65	60	2868	327242.7	6242070.0	61.6	202.0	41.9	19.6	TREE	5591.0	411.4 North	1.9	Gum Tree	Jul 19	N
66	62	2365	327176.5	6241989.9	61.8	202.8	43.0	18.8	SPIRE	5677.5	353.9 North	1.8	Sewer Vent	Nov 18	N
67	63	3353	327158.1	6241987.4	64.2	210.6	43.2	21.0	TREE	5695.8	356.8 North	1.9	Tree	Feb 20	N
68	64	1785	327095.9	6242035.6	68.4	224.4	43.7	24.7	TREE	5741.4	421 North	2.0	Tree	Mar 21	N
69	65	2041	327151.5	6241816.9	66.7	218.8	43.9	22.8	TREE	5751.5	195.5 North	1.9	Norfolk Pine Tree	Feb 20	N
70	66	2039	327148.5	6241822.9	68.8	225.7	43.9	24.9	TREE	5752.7	202.1 North	2.0	Norfolk Pine Tree	Mar 21	N
71	67	2341	327127.3	6241853.8	63.6	208.7	44.0	19.6	TREE	5764.0	237.8 North	1.8	Gum Tree	Nov 18	N
72	68	2872	327102.0	6241917.8	64.0	210.0	44.1	19.9	TREE	5769.7	306.4 North	1.8	Gum Tree	Nov 18	N
73	69	2053	327026.1	6242062.4	77.0	252.6	44.4	32.6	TREE	5800.5	466.7 North	2.2	Norfolk Pine Tree	Mar 21	N
74	70	1227	326990.9	6242076.0	65.5	214.7	44.8	20.6	ANTEN	5830.3	490 North	1.8	MAST/PYLON	Nov 18	N
75	71	5400	327023.0	6241935.0	69.6	228.2	44.9	24.6	BLDG	5840.3	345.7 North	2.0	Apartments	Feb 20	N
76		5835	326769.5	6241859.3	74.2	243.4	48.1	26.1	BLDG	6104.9	346.6 North	1.9	Tower Crane	Mar 21	N
77	72	2179	326679.7	6241616.0	85.5	280.5	50.0	35.5	TREE	6261.2	139.7 North	2.2	Norfolk Pine Tree	Mar 21	N
78	73	2101	326564.5	6241734.9	77.0	252.6	50.9	26.1	BLDG	6337.1	286.9 North	1.9	Church Spire	Feb 20	N
79	74	2882	324864.1	6240063.9	126.1	413.6	76.2	49.8	BLDG	8448.2	820.8 South	2.1	Aerial NE Side Park Plaza Units	Mar 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)  
( 25 TAKE OFF )

**(NEW & 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 played 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							25 Take Off	
Mid-point of origin		Runway Bearing	Height at Chainage 00	Runway Length	Chainage at Origin	Height at Origin		
<u>Easting</u>	<u>Northing</u>					(m)	(ft)	
(MGA94)		(Deg Min Sec)	(m)	(ft)	(metres)	(metres)	(m)	(ft)
330234.385	6242544.516	253° 10' 55"	5.997 (19.7)	2529.9	2590.9	5.920 (19.4)		

**EXPLANATION OF SPECIFIC TERMS**

<b>Chart No.</b>	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.
<b>Reference Number</b>	Surveyor Identification Number - A unique sequential number allocated during surveys to identify an obstacle. This number does not change.
<b>Type of Obstacle</b>	ICAO Identification as displayed on Type A Chart and shown on that chart's legend.
<b>Description</b>	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																																																																																																																																																																																																																																																																																																																																																																																																																																																							
					MGA94	metres	(feet)	metres		metres	metres	metres		metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres

**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 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
					metres	(feet)							
	1	586	330250.4	6242488.0	6.3	20.7	5.9	0.4	SPIRE	2590.9	58.8 South	861.9	Gable Marker
	2	3040	330244.3	6242500.9	6.6	21.7	6.0	0.6	MOVG	2593.1	44.7 South	29.1	Concrete pavement (RESA)
	61	2349	327167.4	6242087.9	60.7	199.1	42.7	18.0	SPIRE	5657.8	450.3 North	1.8	Elec Pole

**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.