

Data Analysis to investigate the contour of the Dividing Fence line for the new Dividing Fence with posts burried in concrete							
Hours taken:		4 hours	Analised by:		Engineer Afsaneh Cooper	Date: 17/10/2021	
Zones Certified	Points [Certified]	Z [m]	[Z - (Zp1)] [m]	[Z-(Zp1)] x 100 [cm]	Y Points locations	Terminology	Terminology Definitions
6L	P1	23.64	0	0	64 Calley	P2	Spot Point on New Dividing fence line measured by licensed surveyor camera on 10/6/2020
6L	P2	24.59	0.95	95	64 Calley	P4_b	Spot height [for point P4, on brick paving]
7L	P3	25.44	1.8	180	64 Calley	P9_tw	Top of wall level at point P9
1L	P4_b	25.51	1.87	187	62 Calley	Z	Height of a spot point in a coordinate system in which centre of coordinate is in Calley Drive about 23.64m under ground somewhere
2L	P5_b	25.58	1.94	194	62 Calley	Zp1	Height of spot point P1 measured by licensed surveyor
3L	P6_b	25.8	2.16	216	62 Calley	[Z - (Zp1)]	Height of spot point P1 in compared to the Telstra box lid level [lid level height is 23.4 m and the lid is under step 1 of stairs in Zone 1L at verge of 64 Calley]
4L	P7_b	25.93	2.29	229	64 Calley	>>>	Tree 1 in Zone 4L at 64 Calley
4L	P8	26.25	2.61	261	64 Calley	>>>	Tree 2 in Zone 4L at 64 Calley
8L	P9_tw	26.4	2.76	276	62 Calley		
8L	P10	26.58	2.94	294	64 Calley	>>>	Tree 3 in Zone 8L at 64 Calley
9L	P11	26.86	3.22	322	62 Calley	[Z-(Zp1)] x 100	Contour of the Dividing Fence Line on the Hill "vertical section", cut at boundary line
10L	P12	27.57	3.93	393	64 Calley		

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						<p>Zone 1L</p>	<p>Definition of a Zone is a rectangle including the boundary between 64 & 62 Calley Drive, where there is relevant spot height of a point is required. Zone 1L includes a boundary segment, garage right brick wall at 64 Calley, building segment of 62 Calley including left building brick wall, their paved side yard where the highest fill on natural ground level contour at 62 Calley appears. The length of Zone 1L is 3.30m along the boundary [horizontal projection of boundary].</p>

This worksheet has a drawing of the licensed surveyor M.F.Gordon feature and level survey dated August 2020. The Zones 1L-10L are drawn next of boundary between 62 & 64 Calley in that certified drawing. The certification of the two drawings of M.F.Gordon is in name of Engineer Afsaneh Cooper and the date is 10/6/2020. For the fence bays to be installed with right height posts, I recommend that the Fence maker uses this worksheet. The zones first should be compared with feature and level survey drawing. Then points P1 to P12 heights in each Zone be used as an estimate of drop for each fence bay. One bay includes two posts and a screen in the middle. Therefore the second step is to find out the centre to centre length [between two posts] in each bay. The third step is to install the first bay from Zone 6L . After first bay was installed the 4th step is to figure out if point P2 = 95cm is higher than the point P1=0cm, and the fenced length is maximum 460 cm in Zone 6L, what is the length of the third bay? You can look at the worksheet of the Bill of materials for Fence 1. you can see in zone 6L, you need two **standard bays** and one **end bay**. Standard bays can be ordered, as Bill of materials show prices and delivery cost. most fence makers charge \$100 for each post to install. However the end bay is not usually a standard bay. Bill of materials worksheet shows you the dimensions for the end bay in each zone. Please consider longer post if in a stepping bay installation on hill a longer post is required.