

 <b>KAVANAGH MANSFIELD &amp; PARTNERS</b> CONSULTING STRUCTURAL AND CIVIL ENGINEERS 37 HEATHER ROAD, SANDYFORD IND. EST., D18, DUBLIN TEL: 01 6606966 FAX: 01 6606758 E.MAIL: kmp@kmp.ie	<b>Project:</b>	43 Fortfield Park, Dublin 6W		<b>Calcs by:</b>	SM	
	<b>Job No.:</b>	CL 2417	<b>Calcs date:</b>		16.02.2024	
	<b>Ref.</b>	<b>Calculation for:</b>	SUDs Proposal Using Rainwater Planter and Water Butt			<b>Output</b>

		<u>1<sup>st</sup> Planter</u>	<u>2<sup>nd</sup> Planter</u>	<u>Water Butt</u>
A how-to-guide for Rainwater Planters	Area of Roof (m <sup>2</sup> )	28.4	27.3	3.95
	Rainfall intensity level (mm)	25.4	25.4	25.4
	m	0.0254	0.0254	0.025
	Required Volume (m <sup>3</sup> )	0.72	0.69	0.10
	Depth of Planter-Say (m)	0.9	0.9	
	Area required (m <sup>2</sup> )	0.80	0.77	
	Width (m)	0.6	0.45	
	Length required (m)	1.3	1.7	

#### Required Dimensions

1<sup>st</sup> Planter 1.3m L x 0.6m w x 0.9m dp  
 2<sup>nd</sup> Planter 1.7m L x 0.45m w x 0.9m dp  
 Water butts 0.1m<sup>3</sup> Vol.

