



What is directly connected impervious area (DCIA)?

Regardless of your roof type, stormwater flows from the rooftop into your eavestroughs and then down through the downspouts. Different sections of your roof will drain to different downspouts and this should be considered when measuring DCIA.

Consider the example shown in Figure 1 below. The house shown in Figure 1 has three (3) downspouts, each represented by a blue dot. Each roof area (A, B and C) drains to one of these downspouts, based on how the roof is sloped. By directing a downspout into a RainWise project, the corresponding roof area would be the DCIA to note on your pre-construction application form.

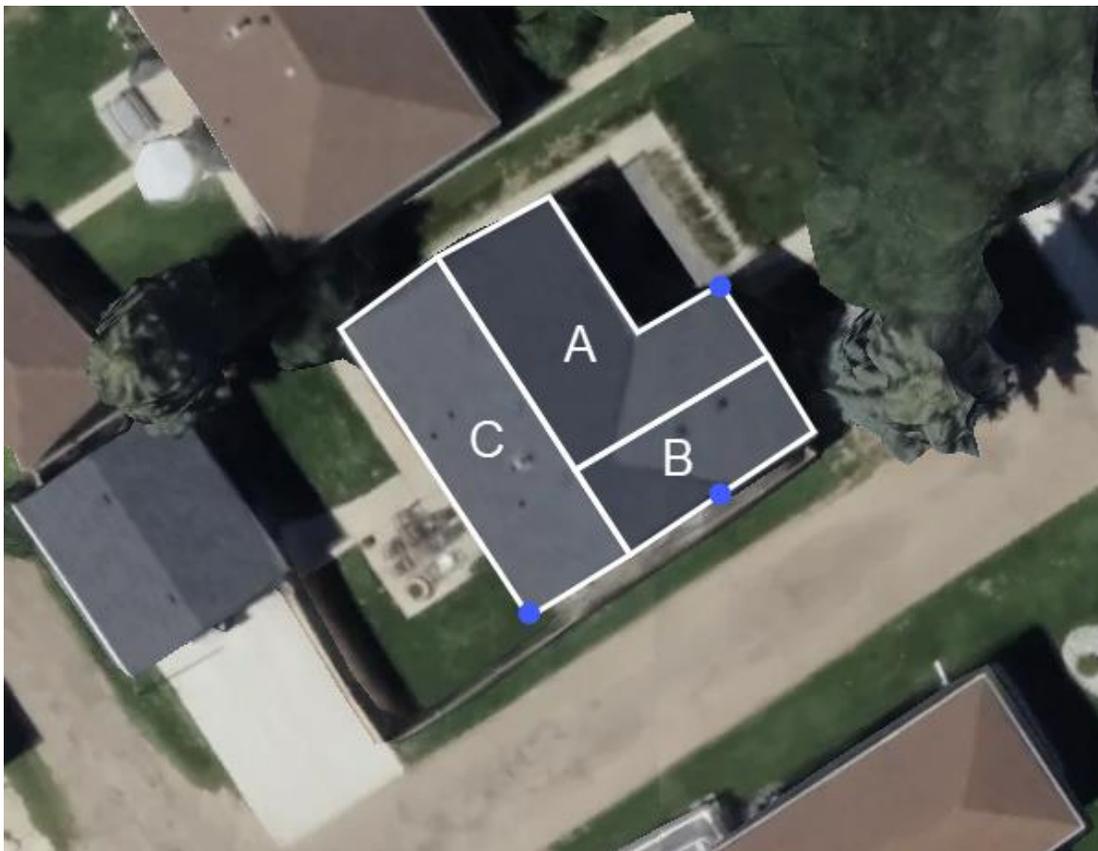


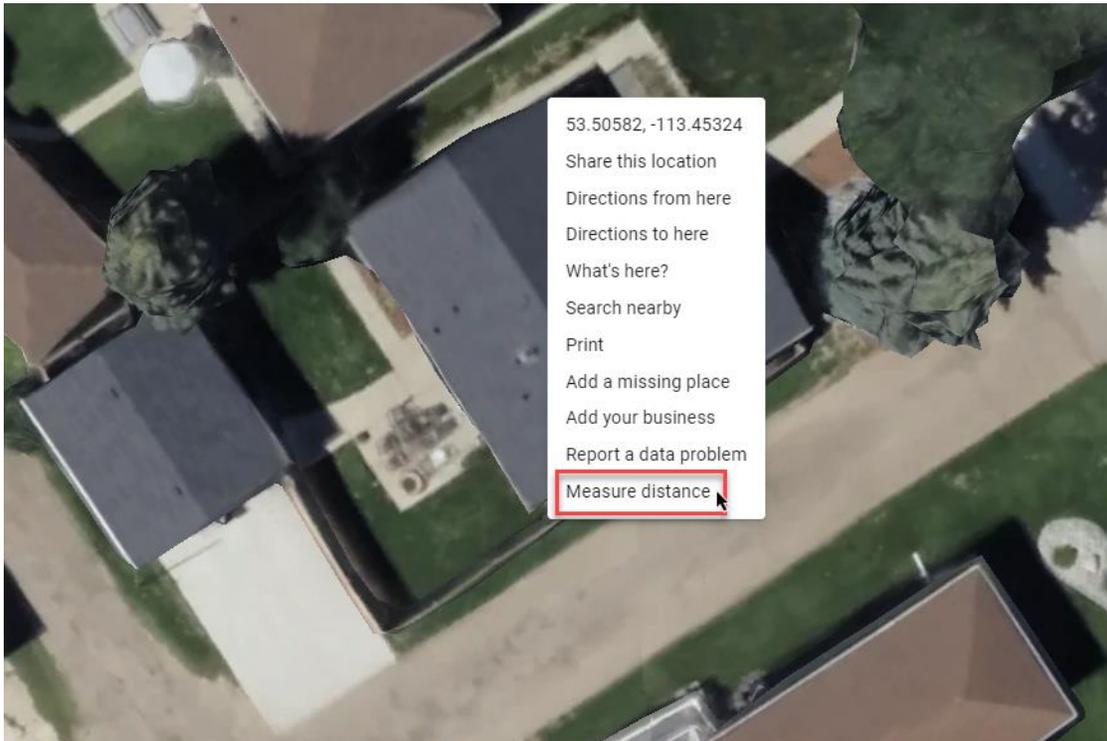
Figure 1: Example of DCIA



Measuring your DCIA

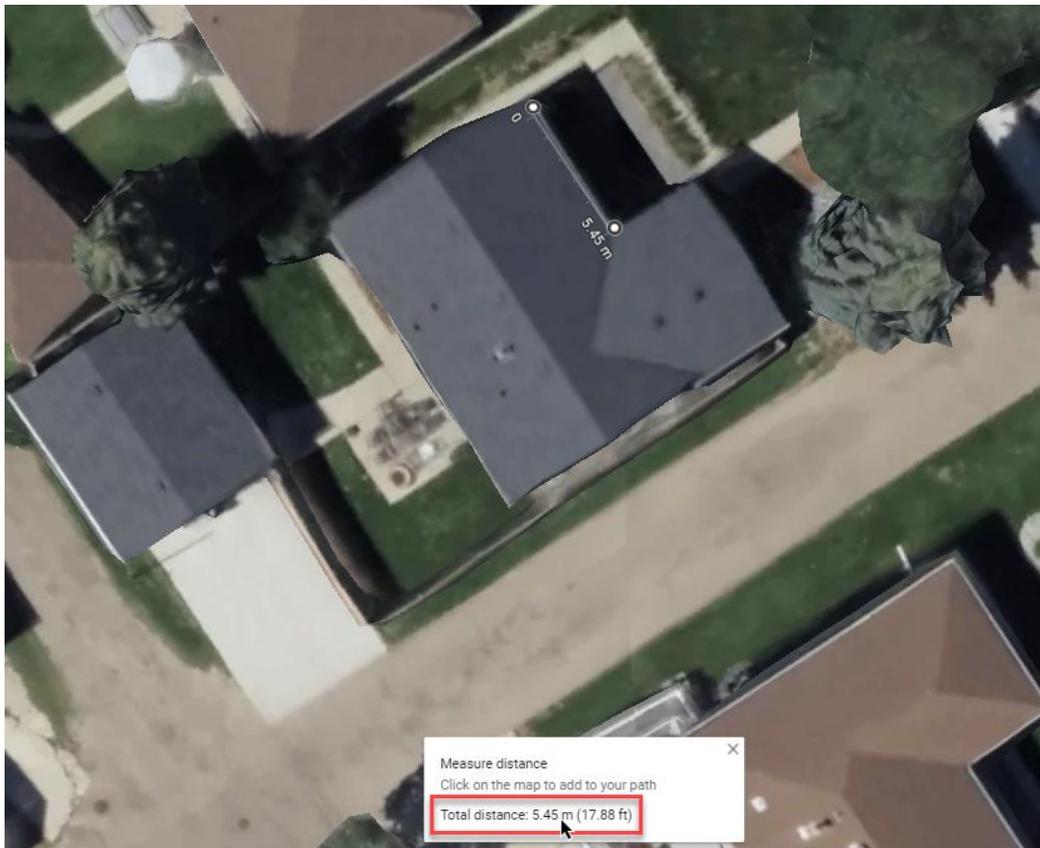
The simplest way to measure impervious area (whether it be your roof, driveway, or parking lot) is through Google Maps. Here is how you measure your DCIA using Google Maps:

1. Open [Google Maps](#) and search for your property in the upper left-hand side search bar.
2. Zoom in on your property until it fills the extents of your screen.
3. Right-click on the corner of the directly connected impervious area (DCIA) you wish to measure (e.g. corner of roof top or driveway) and select "Measure Distance".





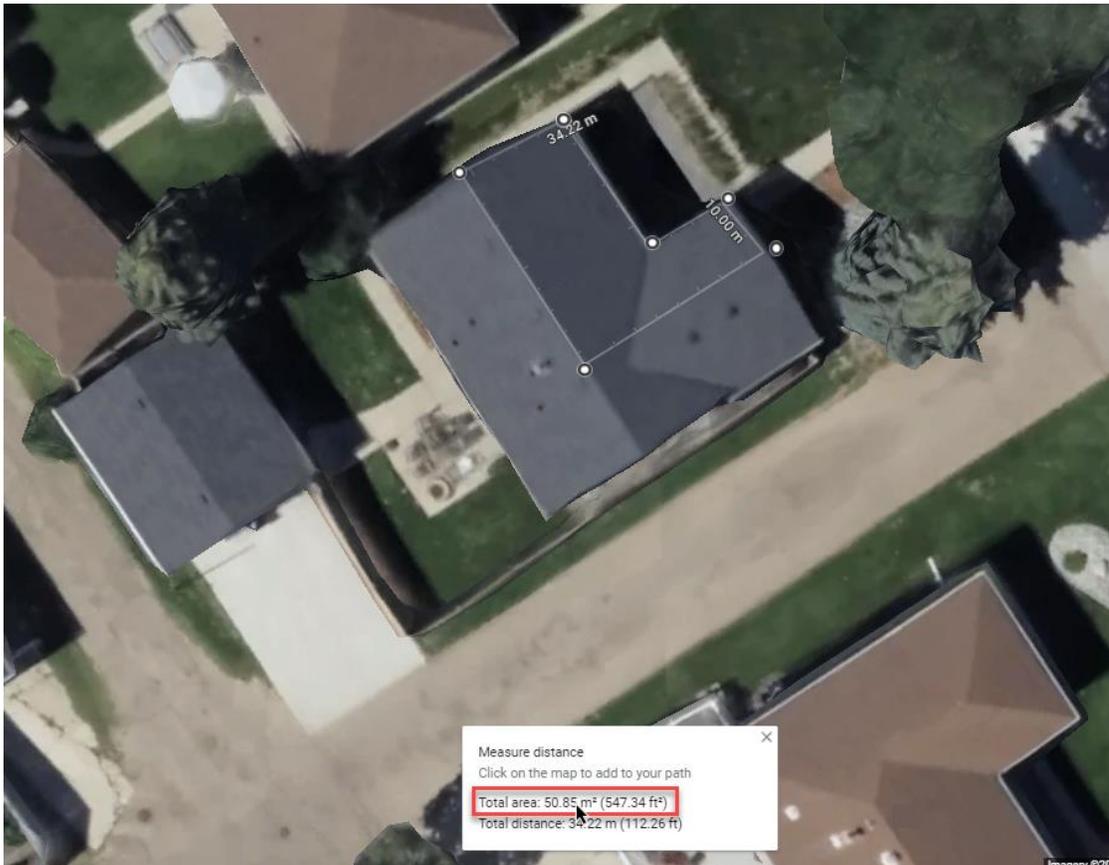
4. Click on the next corner of the DCIA you are measuring (a total distance of the line should show at the bottom of your screen).



5. Continue clicking around the DCIA you are measuring until you reach your starting point (the total distance of the line will update with each click).



6. Double click on your first point to close the shape. The total area of your shape will now show at the bottom of your screen. Use this area measurement as your DCIA value.



Questions?

Please reach out with any questions, comments, or concerns to rainwise@epcor.com.