



# CITY OF COOPER CITY

## COMMUNITY DEVELOPMENT DEPARTMENT

### Why impervious surface is important

Impervious surfaces are manmade hard areas, such as roofs, concrete or asphalt driveways, or decks; which do not allow precipitation to infiltrate the ground, but instead causes rainwater to runoff. The higher volume of runoff leads to higher velocity of flow, causing more erosion and potential flooding.

The City of Cooper City allows up to **55% maximum impervious** on all residential lots in response to prevent potential flooding issues on not only your lot, but any neighboring lots.

**VERY IMPORTANT:** Pavers on sand driveways, decking, and walkways are allowed a **50% credit** towards impervious calculations. Artificial grass and turf are allowed an **80% credit** towards impervious calculations.

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### Math work

Add the total of all impervious surface areas and divide it by the total square footage of your lot, and multiple by 100 for the percentage of impervious surface.

Your existing impervious surfaces:

- |  |       |    |
|--|-------|----|
| 1. Building footprint                          | _____ | SF |
| 2. Concrete or asphalt driveway(s)             | _____ | SF |
| 3. Concrete or asphalt walkway(s)              | _____ | SF |
| 4. Accessory structure(s) – shed, gazebo, etc. | _____ | SF |
| 5. Other (ex. Pool SF)                         | _____ | SF |

**Total existing impervious surfaces** \_\_\_\_\_ **SF**

- |   |       |    |
|---|-------|----|
| 6. Proposed additional impervious<br>(50% of paver SF or 20% of artificial turf SF) | _____ | SF |
|---|-------|----|

\_\_\_\_\_ divided by \_\_\_\_\_ = \_\_\_\_\_

**Total Impervious Surface**                      **Lot Area**                      **Impervious Surface Ratio (%)**

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I, \_\_\_\_\_ (Print Name) certify that the calculations submitted above for the impervious surface ratio are accurate and complete to the best of my knowledge.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_